

महाप्रबंधक की वार्षिक रिपोर्ट
General Manager's
ANNUAL REPORT

2013—2014

दक्षिण रेलवे/SOUTHERN RAILWAY

प्रधान कार्यालय/Headquarters Office,
सामान्य शाखा/General Branch,
चेन्नै/Chennai-600 003.

मार्च/March-2015

फाल्गुन/Phulgun-1936

सचिव (सांख्यिकी)/The Secretary (Stat.),
रेलवे बोर्ड/Railway Board,
नई दिल्ली/New Delhi.

मैं, 31 मार्च 2014 को समाप्त अवधि के लिए दक्षिण रेलवे प्रणाली के कार्य संबंधी रिपोर्ट इसके साथ अग्रेषित करता हूँ।

I forward herewith my report on the working of the Southern Railway System for the year ended

31st March 2014.

अशोक के. अगरवाल
ASHOK K. AGARWAL
महा प्रबंधक/GENERAL MANAGER

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शब्दावली/GLOSSARY OF TERMS

Readers may find the following definitions of various terms helpful in reading this Annual Report :—

CAPITAL-AT-CHARGE

Includes capital outlay on worked lines.

ROUTE KILOMETRES

Distance of each gauge owned by a railway including its worked lines treated as single line open for passenger and goods traffic. Kilometrage of double, treble, quadrupli tracks, crossings at stations and sidings as also the track from the centre of terminal stations to the end of main line buffer stop are to be excluded.

GROSS EARNINGS

True earnings in an accounting period irrespective of whether amounts have been realised or not.

WORKING EXPENSES

True expenses in an accounting period irrespective of whether amounts have been incurred or not. They comprise of Ordinary Working Expenses, Appropriation to Depreciation Reserve Fund and Fund.

NET EARNINGS

Gross earnings minus working expenses.

OPERATING RATIO

The relation of working expenses to gross earnings expressed as a percentage

PASSENGER KILOMETRES

The transportation of one passenger one kilometre.

TONNES ORIGINATING

Include tonnage of Railway stores and materials carried in material Railway constructions, project authorities, stock owned or hired by them work.	ast train on open lines for dependent Railway Project
--	--

FRIEGHT TONNE KILOMETRES

The transportation of one tonne of freight one kilometre.

TRAIN KILOMETRES

The transportation of one train one kilometre.

NUMBER OF STAFF

Number of employees on roll on the last day of the year excluding casual labour

NUMBER OF STATIONS

Exclude block huts, branch booking offices, out-agencies and halts.

SOUTHERN RAILWAY

परिचालन संबंधी विशिष्टताएं/HIGHLIGHTS OF OPERATIONS

	Particulars	Units	2012-13	2013-14
Financial Position —				
Capital-at-Charge		₹ in Crores	9158.53	10425.08
Capital Fund		₹ in Crores	3565.81	3565.81
Gross Earnings		₹ in Crores	6028.75	6845.55
Working expenses (excluding suspense)		₹ in Crores	5798.20	6583.48
Net Earnings		₹ in Crores	-1808.10	-2241.99
Operating Ratio		Percentage	130.59	132.75
Percentage of Net Earnings to Capital-at-charge and investment from Capital Fund.		Percentage	-14.21	-15.64
Passenger Statistics —				
No. of Passengers Originating		In Millions	831	831
No. of Passengers Carried		In Millions	873	857
Passenger Kilometres		In Millions	84062	82481
Earnings from Passenger Carried		₹ In Crores	2823.61	3290.64
Average Earning per Passenger Kilometres		In Paise	33.59	39.90
Average length of Passenger journey		Kilometre	96.29	96.21
Freight Statistics —				
Freight Tonnes Originating		In Millions	37.97	42.40
Freight Tonnes Carried		In Millions	66.11	71.64
Freight Tonne Kilometres		Kilometre	17465	18006
Earnings from Goods Carried		₹ in Crores	2431.09	2696.99
Average Earning per Freight Tonne Kilometres		in Paise	139.20	149.78
Average Lead of Tonne of Goods (Revenue)		Kilometre	264	251
Train Statistics —				
Train Kms. Pass & Goods incl. Dept. EMU, MEMU, DEMU (in thousands)		Kilometre	70753	73716
Gross Earnings per Train Kilometres		₹	852.08	928.64
Working Expenses per Train Kilometres		₹	819.50	893.09
Net Earnings per Train Kilometres		₹	-255.60	-298.79
Staff —				
No. of Staff as on 31st March		Number	93805	92758
Cost of Staff		₹ In Crores	5592.94	6214.11
Station and Route Kilometrage —				
No. of Stations as on 31st March (Excl. Halts & incl. Block Huts)		Number	598	597
Route Kilometres as on 31st March		Kilometre	5078.71	5078.71

I. सामान्य समीक्षा/GENERAL REVIEW

General Economic Condition of the Zone

The Jurisdiction of Southern Railway extends over the States of Tamil Nadu, Kerala, and Southern parts of Andhra Pradesh. The General economic of these States except Andhra Pradesh and Pondicherry in respect of Agriculture, Irrigation, Power, Industries, etc., are appended below :—

Tamil Nadu State Industrial Development Corpn. Ltd.

Sl. No.	Industrial Projects	Nos.	Enclosures
1.	No. of Projects completed and commissioned during 2013-14.	Nil	..
2.	No. of Projects under implementation.	14	List enclosed as Annex.
3.	Details of State owned	Nil	..

Project under implementation

1. TICEL Bio Park-II, Taramani, Chennai.
2. Multi Product SEZ, Nanguneri, Thirunelveli district.
3. Multi Product SEZ, in Perambalur district.
4. Multi Product DSEZ, Hosur, Krishnagiri district.
5. Nagarjuna Oil Corporation Ltd. Cuddalore.
6. TRIL Infopark Limited, Taramani, Chennai.
7. LNG Import Terminal Project (near Ennore Port), Kattupalli, Thiruvallur District.
8. SEZ for Food Processing Sector in Thoothukudi district.
9. Jayamkondam Lignite Power Project (JLPP) in Ariyalur district.
10. Medical village project, Thiruvallur district.
11. Integrated Textile Park in Coimbatore district.
12. Solar Power Park, Ramanathapuram district.
13. Aerospace Park, Chennai.
14. Plastic Industries Park, Thiruvallur.

Tamil Nadu Irrigation and Power Project completed and commissioned during 2013-14 is furnished as below :—

Sl. No.	Industrial Projects	Capacity	Commissioned on
1.	Periyar Vaigai-III small Hydro Electric Project Location : Periyar	2x2 MW	Units Synchronised on Unit-I— 11/09/13 Unit-II—09/10/13

(C) Industries projects (with pamphlets, if any issued). Details of industries, major as well as medium.

- i. Data not available.
- ii. Data not available.
- iii. Data not available.
- iv. Details about State-owned/managed industries :

The important mineral-based industries in the State are Indian Rare Earth Ltd., (IREL) Chavara (Central Government undertaking), Kerala Minerals and Metals Ltd., (KMML) Chavara, Kollam (Kerala state Government undertaking), Malabar Cements, Walayar, Palakkad (Kerala State Government undertaking) Travancore Cements Ltd., (Kerala State Government undertaking) Kundara Ceramics, Kollam (Kerala State Government undertaking), Kerala Clays and Ceramic Products Ltd., (KCCP), Pazhayangadi, Kannur district (Kerala State Government) etc.,

(D) Minerals

- i. Name of the minerals found in the State and places where the minerals occur :—

A brochure brought out by the Mining and Geology department on 'Mineral Resources of Kerala' is enclosed in this regard.

- ii. Details of quantity obtained in each mineral and their uses during the year 2013-14.

Sl. No.	Name of mineral	Production (in tonnes)	Uses
---------	-----------------	------------------------	------

Major Minerals

1.	China clay	904,663	In paper industry (coating as well as filter material), pharmaceuticals, ceramics etc.
2.	Bauxite/Laterite	190,591	Cement industry, Chemical Industry etc.
3.	Ilmenite	84,247	Ore of Titanium, Synthetic Rutile, in Paint Industry etc.
4.	Rutile	2,830	Ore of Titanium, in Paint Industry etc.
5.	Zircon	3,861	Ceramic Industry (Zir flor).
6.	Sillimanite	8,905	Granular Sillimanite (refractory purpose).
7.	Leucosene	59	Ore of Titanium
8.	Silica Sand	76,890	Glass, Refractory, Cast Iron & Mould Industries, etc.
9.	Lime shell	37,333	Cement industry (white cement), Chemical Industry.
10.	Limestone	455,781	Cement Industry
11.	Quartz	1,570	Glass Industry
12.	Graphite	628	Refractory, Crucibles, Pencil leads, Moderator in Atomic Reactors.

Major Minerals

1.	Granite Building Stone.	13,973,155	Construction sector
2.	Granite Dimension Stone.	1,219	Ornamental purpose (also for export).
3.	Laterite Building Stone.	2,578,368	Construction sector
4.	River sand	1,893,766	Construction sector
5.	Ordinary sand	1,914,116	Construction sector
6.	Lime shell	7,450	Lime Industry
7.	Ordinary earth	4,827,325	Construction sector
8.	Brick clay	1,243,116	Brick, Tile Industry

Department of Agriculture Kerala State

Name of Crop	2012-13		2013-14	
	Area in (Hac.)	Production in (Tonnes)	Area in (Hac.)	Production in (Tonnes)
1. Paddy	..	..	N. A.	N. A.
2. Rice	197277	508299	199611	499714
3. Pulses	2948	1354	660.2	2677.2
4. Groundnut	784	976	707	868.3
5. Oilseeds	1007	N. A.	847.1	934.4
6. Sesamum	260	98	134.1	57.7
7. Coconut	798162	5799	815035	5972
8. Greenchillies	1337	1287	N. A.	N. A.
9. Sugarcane	1742	16572	2069.4	199.8
10. Tobacco	13	23	N. A.	N. A.
11. Cotton	343	572	190	320.8
12. Cholan	148	N. A.	50.1	73.6
13. Ragi	113	123	82	81.2

* Production of coconut is in million nuts.

Kerala State Electricity Board**(i) Power project Commissioned during 2013-14**

Sl. No.	Name of Project	Capacity (MW)
1.	Karikkayam SHP ..	10.5
2.	Agali Wind project (600 KWx2) ..	0.0012
	Total ..	10.5012

(ii) Power project under construction-HYDEL

1.	Adyampara ..	3.5
2.	Anakkayam ..	7.5
3.	Barapole ..	15
4.	Chathankottunada-II ..	6
5.	Chimmony ..	2.5
6.	Kakkayam ..	3
7.	Pallivasai Extension ..	60
8.	Perumtharuvu ..	60
9.	Poringalkutthu ..	24
10.	Thottiar ..	40
11.	Vellathoval ..	3.6
12.	Vilangad ..	7.5

WIND PROJECT

1.	Nallasingam & Kottathara by NHPC ..	82
	SOLAR PROJECT	
1.	West Kallada by NHPC ..	50

(iii) Project Proposals**THERMAL PROJECTS**

1.	500 MW Petcoke based power project at Kochi	500
2.	400 MW LNG based Power project at Brahmapuram	400
3.	RGCCPP, Kayankulam-conversion of 350 MW plant from Naphtha to Gas.	

4. Conversion of two Diesel generating units (18 MW X2) at Brahmapuram Diesel Power Plant to RLNG.

HYDEL

1.	Mankulam ..	40.0
2.	Karappuzha ..	0.50
3.	Pazhassissagar ..	20.00
4.	Sengulam tail race ..	3.60
5.	Chembukadav Stage-III ..	6.00
6.	Peruvannamoozhi ..	7.00
7.	Upper Kallar ..	2.00
8.	Peechad ..	3.00
9.	Thumboormoozhi ..	8.00
10.	West Kallar ..	5.00
11.	Koodam ..	4.50
12.	Chinnar ..	24.00
13.	Chengulam ..	48.00
14.	Kanthampara ..	45.00
15.	Vythiri ..	60.00
16.	Landrum ..	3.50
17.	Olikkal ..	4.00
18.	Poovarathode ..	2.00
19.	Marmala ..	4.00
20.	Pampar ..	4.00
21.	Vakkallar ..	24.00
22.	Chathankottunada stagel ..	4.50
23.	Pasukkadavu ..	2.00

2. Railway Kilometrage

The open line kilometrage a

Gauge	Single Line
Southern Railway	
Broad Gauge	2986.85
Metre Gauge	528.42
Narrow Gauge	0.00
Total	3515.27

Note.—

Out of 528 km. of MG Route km gauge conversion.

3. General Review of work for the year 2012-2013 and 2013-2014 are as follows

Gross Earnings (in crores of rupees).
Working Expenses (excl. (in crores of rupees).
Number of passengers (in millions).
Tonnes originating (Revenue) (in millions).
Tonnes Carried (System) (in millions).
Freight tonne kms. (Revenue) (in millions).
Goods Train kms. (in millions).
Train Engine kms. (Goods) (in millions).

4. PLANNING

1.0 During the year, 5 These reports identified the areas outsourcing manpower.

2.0 During the year, 7 the target of 1,200 posts been in line with last 5 annual financial savings resulted in a savings of

3.0 " SALIENT FEATURES PLAN - 2013 - 14 PUBLISHED

A publication titled " Sal out by this Branch, ap Plan - 2013 - 14 .

5. STATISTICAL ORGANIZATION

Statistical Organ Statistics & Econo administrative departm FA & CAO/Traffic, assi and Analysis Officer.

1st March 2014

metrage	Track
Total	Kilo-metrage including Sidings Kilo-metrage
3.44	4550.29
0.00	528.42
0.00	0.00
3.44	5078.71
	7863.53
	562.86
	0.00
	8426.39

m. are under various stages of

for the year 2012-2013 and 2013-14

2012-13	2013-14
6,028.75	6,845.55
5,798.20	6,583.48
873.00	857.27
37.97	42.40
66.11	71.64
17,465	18,006
10.79	10.78
21.15	20.65

rk Studies were completed. posts as surplus; in some of suggested to rightsize the

ts were surrendered against by Railway Board. This has average of 750 posts. The count of the above surrender Crores (approx.) per annum.

— 2013 " & CORPORATE FEATURES 2013 "

eatures 2013 " were brought m e-publication of Corporate

ION

under the of Directorate of Railway Board is general nctioning under the control of Dy. CAO/Traffic and Statistics

Collection of data from source points, systematic compilation and generating statements as per Railway Board/Domestic periodical requirement in form of various statements is the prime role of the organization. Analysis and interpretation of various statistical parameters are also made.

- ♦ In order assist in increasing the revenue preposition.
- ♦ Assist in eliminating the waste by expenditure monitoring ; and
- ♦ Enhancing efficiency with economy.

The activity of the Department can be classified into following two broad categories :—

Commercial Statistics :

Railway Board, Commercial and Accounts department as users, the following compilation of statements are done.

- ♦ Advance Gross Earnings and Traffic handled are reported for every 10-day period.

- ♦ In 12 Commodity Statement – the tonnes and number of wagons originating details are advised for 12 important commodities.

- ♦ Under Goods Revenue Statistics in Statistical Statement No. 7A & 7B Goods Earnings, NTKM and No of Tonnes Loaded for a month under Plan Head Commodities are furnished on originating basis. At present checking of RRs are done ' on line '.

- ♦ Number of Passengers Originating, carried and Passenger KMs. and Passenger Earnings & Rate Per Passenger Per Km. are compiled and advised to Railway Board and other HODs.

- ♦ Parcel Traffic (Tonnes & Earnings) is advised through statistical statement No. 6B to Railway Board and other HOD's.

Operating Statistics :

Railway Board, Transportation, Mechanical and Electrical department as users, the following compilation of statements are done :—

- ⇒ Monthly Performance Evaluation Report,
- ⇒ Passenger Train Performance (St. No. 1B)
- ⇒ Goods Train Performance (St. No. 2)
- ⇒ Rolling Stock (Loco motive) Performance (St. No. 4A)
- ⇒ Rolling Stock (Carriage & Wagon) Performance (St. No. 4B)
- ⇒ Fuel & Power Statistics (St. No. 5A)
- ⇒ Lubricating Oil Statistics (St. No. 5B)
- ⇒ EMU/MEMU/DEMU Train Performance (St. No. 8)

Efficiency indices like NTKM per Engine Hour, Percentage of Train Engine Hours to Total Engine Hours, Engine Kilometres per Engine day in use etc. are compiled and sent to Board every month.

Goods Operating Statistics.— Statements consists of section-wise, division-wise and traction-wise volume of goods traffic and efficiency indices for the use of operating department are prepared month-wise.

Around 45 Annual Statistical Statements.—covering Financial, Operating, Commercial and Personnel statistics are prepared and sent to Railway Board to meet requirements at various levels. They are published by Railway Board through the book of Annual Statistical Statements, published every year and the book is also a part of the Budgetary Documents.

A handy booklet (Compendium) – Pocket Book of Financial Results and Important Statistical Highlights.—exhibiting data for five years at a stretch on important statistical parameters of Southern Railway, with graphical representation, is published to help the administration for information, review and in decision-making. It helps in manpower planning, assets utilization and to devise marketing strategies for better performance. It is also available in the Railnet Statistical branch web site.

Chart on density of traffic section-wise, division-wise are prepared with the assistance of drawing bench for publication to grab quick graphical view of the traffic density over sections and divisions.

Statistical Branch Web Page.—

Under the initiative of Statistics & Analysis Officer and FA & CAO/T all important statements are posted & updated periodically in the Web Page, including Special Studies/ Analysis and Inspection notes. This helps the users to access any details that they require from our branch at any time.

Statistical Inspection.—

An inspection section consisting of Senior Statistical Inspectors conduct periodical test checks on various statistical returns at source points of like Stations, crew Booking Centres, Goods Sheds etc; Regular test checks on Advance Tri Monthly Statement of Gross Earnings and accountal and Forwarding of CTRs are carried out so as to ensure accurate compilation of vital statistics. The discrepancies noticed are appraised to the concerned Department Heads for initiating corrective measures and to avoid recurrence of compilation errors.

Traffic costing cell

Traffic Costing Cell of this Railway continued to do :

- 1) Cost Analysis of Coaching Services.
- 2) Cost Analysis of Freight Services.
- 3) Study on the Economics of EMU Services.
- 4) Analysis of Incremental Cost for Goods services
- 5) Analysis of the Shunting Engine Hourly Costs.

The reports were sent to Railway Board to enable preparation of end results booklets, containing the Unit costs of Coaching/Goods services.

During the year Traffic Costing Cell, surveyed 32 selected stations of Southern Railway, studied the Joint/ common costs incurred on various Traffic services. The cost ratios worked out for distribution of Terminal and running expenses were applied in the computations of cost reports, submitted to Railway Board., for the year ended 2013-14.

Data Processing Centre —

Southern Railway Headquarters IT centre is located in Moore Market Complex, VIII floor. The main activities of this Office include development of new software, maintenance of database, servers, Rolin network for HQ, MAS division & PER area, maintenance and network/software support for divisions and workshops in Southern Railway. The processing of the following applications at HQ level, divisional level and other areas of Southern Railway and software support :—

1. AFRES (Financial Management System)
2. FMIS (Financial Management System)
3. PRIME (Payroll and related Independent module) (General and workshop Payroll System)
4. WGR (Workshop General Register) (General and workshop Payroll System)
5. FAS (Freight Accounting System)
6. PAS (Passenger Accounting System)
7. MMS Material Management System)
8. OSS (Operating Statistics System)
9. Maintenance of database for FMIS in Chennai Area.

1. AFRES—Advanced Finance and Railway Earnings & Expenditure System. (Financial Management System(FMS))

This is an ORACLE based integrated system, provides total solution for automation of Accounts Department of Railways. The System covers.

- ❖ **Internal Check**—Establishment Bills and Expenditure bills registration, audit and payment.
- ❖ Linked with **PRIME** for employee payments.—
- ❖ **Suspense**—Establishments and Expenditure suspense monitoring and generation of suspense registers.
- ❖ **Books**—Cheques generation, Cheques & Bank Scroll reconciliation, remittance into bank reconciliation, book closure (Cash book-I & Cash book-II and account current), generation of revenue and capital schedules.
- ❖ **PF, Pension, New Pension Scheme—**
 - + **PF**—Maintains employee PF account—Accounting debits & Credit, interest calculation, settlement, reconciliation.
 - + **NPS**—Maintains employee Pension Fund Account—debits & credits and Government contribution, reconciliation, statutory reports and data transfer to NSDL. Monthly payment of pension for NPS subscribers.
 - + **PENSION**—Preparation of Pension Payment Orders. Settlement of retirement benefits, Reconciliation, etc.
- ❖ **Traffic Accounts**—Station Balance Sheet—for Goods, Coaching and Misc. receipts.
- ❖ **Cash**—Revenue Earnings from Stations.
- ❖ **Pay-Paymaster** Generation of all bills and payments made to staff, Suppliers and Contractors. through NEFT/RTGS.

2. FMIS (Financial Management System) (Financial Management System)

This is ORACLE based application software used for consolidation of Accounts and generation of revenue and capital schedules for all divisions workshops and Railway.

3. PRIME—Payroll and related Independent Modules—(General and workshop Payroll System)

This ORACLE based application is in use for:

- ❖ Employee Information System.
- ❖ Generation of Form 16 and running statement.
- ❖ Incentive payment.
- ❖ Generation of
 - + MACP and
 - + PLB, DA
 - + Other arrears.
- ❖ IT—projection
- ❖ Education & Health
- ❖ Welfare activities and record.
- ❖ Settlement payment, etc.
- ❖ Linked with AFRES.

4. Workshop General Register (WGR) & Labour Summary—(General and workshop Pay roll System)

ORACLE based application software is being used for :

- ❖ Labour Summary
- ❖ WGR Module

5. FAS—Freight Accounting System—

ORACLE based application software is being used for :

- ❖ RMC data capture
- ❖ Data capture Accounts and used for processing.
- ❖ Generation of originating Statement
- ❖ CONCOR in and Revenue
- ❖ Generation of Reports and forwarded to Revenue
- ❖ Transfer of Centralized Apportionment

6. PAS—Passenger Accounting System—

This COBOL based application software used for processing the following for SR :—

- ❖ Passenger internal check
- ❖ Generation of Traffic Accounts
- ❖ Ticket Indent
- ❖ Normal and agency Indents.
- ❖ Validation (CCM).
- ❖ Summary for apportionment
- ❖ Migration to advanced stage.

Financial Management System (FMS))

Application software used for processing at Head quarters and capital schedules for all Railway.

Independent Modules—Payroll System)

are application is in use for: System.

for administrative, workshop

or workshop employees. Monthly and arrears bills.

payments.

ills viz., NDA, OT, etc.

ent, Form 16, etc.

subsidy.

Loans & Advances disbursement principal and interest.

its—Leave encashment, GIS

or employee payments.

Register (WGR) & Labour Pay roll System)

on software is being used for : module

t stores portion

g System—

on software is being used for :

and processing done in oracle.

FOIS terminal available at Traffic Accounts necessary modification are carried out ORACLE processing.

er allied reports like Analysis, Commodity wise statistics etc.

re also processed and tonnage added in the respective Reports.

Reports and files are processed Board through Statistical Branch.

per Railway Board Schedule to System through Traffic Accounts.

ounting System—

application software used for for SR :—

ification data capturing and

lidity listings and MIS reports for

k order generation.

gency Indents.

& UTS data received from PRS

eration and data transfer to RITES

ORACLE based system is in advanced

7. Material Management System

Material Management System (MMGT)

This is **COBAL** based system processed in IT center for Transaction Register Generation and various COBOL reports for Stores/Accounts Department.

❖ Migration to **ORACLE** based system is an advanced stage.

8. Operating Statistics System (OSS)

This is **ORACLE** based software application which caters for automation of Engine Mileage Statistics for generating various MIS reports for Statistical Department.

Other Activities

❖ Budget

Conduct Budgetary Reviews Pertaining to 17 Demand No. 16-Plan head (Computerization) and Demand No. 3 to Sr. EDPM/MAS portion (03-243) and submitting appropriation accounts (Demand No. 16-Plan head 17 for FA & CAO/MAS and other allied works.

❖ Support for other Divisions and workshop for.

- ✦ Processing of Payroll
- ✦ Maintenance of Software and database

❖ Maintenance of ROLIN Internet network used for **ORACLE** based applications.

- ✦ Facility Management contract is awarded to external agency for maintenance.

❖ Technical Clearance for the proposal of computerization software and hardware procurement, licensing, etc. as per SOP (5) E of Misc. D.

❖ Computer learning Centre— In house training for staff from other user departments in various software products.

6. PUBLIC GRIEVANCES CELL

1. All Public Grievances are investigated in detail by the Public Grievances Cell both at the Headquarters and the Divisions and suitable corrective/preventive action is taken. Where the staff are found at fault, disciplinary action is taken against them to prevent recurrence. Training programmes are arranged and also counselling sessions held in order to create awareness amongst them for better service orientation. In all cases, replies are sent to the complainants explaining the position in detail.

2. All measures are taken to create a feeling in the minds of the 'Travelling Public' that their interest, welfare and safety are taken care of by the Railways.

3. Details about the number of complaints received and dealt with in respect of major categories during 2013-14 as compared to those received during 2012-13 are given below :-

Sl. No.	Classification	Number of complaints						
		2012-13				2013-14		
		Opening Balance	Received	Disposed	Balance	Received	Disposed	Closing Balance
1.	Behaviour of staff	5	94	98	1	87	87	1
2.	Lack of Amenities/unsatisfactory maintenance of amenities at stations/trains.	1	477	474	4	327	328	3
3.	Late running of trains	0	65	65	0	86	86	0
4.	Coaching—Reservations and other than reservations.	9	479	485	3	386	385	4
5.	Catering arrangements	1	88	89	0	72	70	2
6.	Miscellaneous/suggestions.	2	347	347	2	475	474	3

4. Number of complaints received, disposed of and pending during 2013-14 as compared to the previous year is as follows:-

Year	Opening Balance	Receipt	Total	Disposed	Pending
2012-2013	18	1550	1568	1558	10
2013-2014	10	1360	1370	1357	13

5. During 2013-2014, a total number of 1,360 complaints other than suggestions were registered as compared to 1,550 complaints in 2012-2013.

6. **Incivility.**—Complaints regarding incivility/behaviour of staff are investigated thoroughly and in proved cases, deterrent action is taken against the staff at fault.

7. PUBLIC RELATIONS AND PUBLICITY

(April 2013 – March 2014)

Public Relations Department of Southern Railway, which serves as a link between the organisation and the public, plays a key role in projecting the corporate image of Southern Railway.

Keeping the public abreast of the developments on the Railways through the print and electronic media is the primary responsibility of the Public Relations wing. Organised Publicity Campaigns and media related activities are fundamental to the growth of a corporate organisation. The Public Relations Department was engaged in various activities such as media coverage, publicity campaigns and participation in exhibitions besides maintaining a record of media feed back.

Press Coverage :

Dissemination of information to the travelling public is the primary responsibility of the department. Press releases, that are both informative – dealing with train operations and development-oriented – highlighting the achievements and innovations in the various facts of railway activities, are the basic inputs that keep the public abreast of day-to-day railway working. During the period, 1124 press releases that were operational and informative in nature/ concentrating on developmental activities and achievements of the Railway were issued.

Press Conferences/Press meets were arranged on various occasions focussing on the activities of the Railway. Rejoinders were issued, wherever necessary, to counter wrong and distorted reports appearing in certain sections of the press. Complaints and grievances appearing in the columns of the press were taken up for immediate action.

Television/All India Radio Coverage

Wide coverage was given for all Railway events by the AIR, Doordarshan and Satellite television channels. Important press releases were flashed on the Radio and TV networks for the benefit of the public. Informative programmes, inclusive of interviews by senior Railway officials, were broadcast/telecast on the AIR and TV for the benefit of the public. A wide range of topics including Railway operations and social awareness themes with regard to passenger security were given adequate publicity.

Campaign Advertising

Healthy publicity through appropriate media channels is necessary to promote the corporate image of the establishment. A total of 4 display advertisements (inaugural functions), 5 advertisements on social and safety themes and 1127 tender notifications were released in the national and regional newspapers and magazines. Besides focussing on developmental activities on Railways, the advertisements also served to educate the travelling public on safety issues such as level crossing at unmanned gates and carrying of inflammable articles in trains, etc., Advertisements notifying introduction of new trains, cancellation/changes in existing operations were also published in leading dailies.

Publicity Literature

No publicity campaign is complete without publicity literature. Wide-ranging publicity campaigns on various social awareness issues were organised through the print and electronic media.

Multi-coloured brochures, folders and posters were published in English, Tamil, Malayalam and Hindi to mark specific occasions, especially inauguration of new projects/train services etc.

Leaflets were printed and issued to publicise the New Year greetings and messages of MR, CRB and GM in English and regional languages.

Exhibitions

Railway pavilions at the various tourist/trade fairs across the country have been attracting vast crowds every year. As part of the PR exercise, Southern Railway participated in the following exhibitions during the year :—

1. Trichur Pooram Exhibition at Trichūr from 1-4-2013 to 21-5-2013.
2. In commemoration of 160 years of service to the nation by Indian Railways, an exhibition of photographs held at Lalit Kala Academy, Chennai from 10-7-2013 to 16-7-2013.
3. Tamilnadu Tourism and Industrial fair held at New Delhi from 3-10-2013 to 5-10-2013.
4. All India Industrial, Agricultural, Educational and Culture Exhibition at New Delhi from 14-11-2013 to 17-11-2013.
5. All India Tourism and Trade Fair at Chennai from 9-1-2014 to 20-3-2014.

6. Exhibition of p
Centenary Celeb
held at Madurai
Pamban 20th, 2
Egmore Railway

7. In commemoration by Indian photographs, arrangement of Chennai Centre the Divisional R

Besides, the Railway regional exhibitions collection and social organisation

Details of important e

Date	
3-4-2013	Inauguration of System by Raja, M. L. A.
25-4-2013	Train No. 22 Chennai Co Express Tra Central Rai
25-5-2013	Commission Salem-Nam Train service
11-6-2013	Flagging of Mannargudi Express co Mannargduc
22-6-2013	Flagging of Express by Minister of Fi
22-6-2013	Introduction Daily Express
10-7-2013 &	Photograph years of Indi
16-7-2013	Misra, Ge 16-00 hrs. c Gallery, Che
14-7-2013	Inauguration line betwe Aruppukkott
15-7-2013	Flagging of express on Railway Sta Hon'ble Unir Thiru V. Na State in Prin
15-8-2013	HERITAGE World's old Chennai E Dr. G. Naray
1-9-2013	Train No. 16 Chennai E introduced
17-9-2013	Laying of fo 39 & 43-A of Puduch Arumbartha Kharge, Hor MoS in PMs Public Griev
28-9-2013	Flagging off MAQ-TPJ Railway Sta in PMs Office Grievances

graphs with regard to the
of Pamban Railway Bridge
17th to 19th February 2014,
bruary 2014, and at Chennai
4th to 26th February 2014.

160 years of service to the railways, an exhibition of at the new concourse area railway station, inaugurated by manager, Chennai Division.

participated in a number of
d by educational institutions

from 1/4/2013 to 31/3/2014

Events

Computerised Passenger Reservation System (at Venugopal, M. P. and Shri Pon.onneri Railway Station).

526 Chennai Central-Bangalore-Air-conditioned Double Decker commenced Operations (at Chennai station).

The new Broad Gauge line between Tānur and introduction of Passenger Salem Jn. Railway Station).

Mhemmozhi Express between Coimbatore, Coimbatore-Mannargudi operation on 12.06.2013 (at ay Station).

Manamadurai-Chennai Silambu Chidambaram, Hon'ble Union Minister at Manamadurai Railway Station).

Pankanni-Chennai Egmore (Link) Pankanni Railway Station).

Dedication in Commemoration of 160 years, Inaugurated by Shri Rakesh Manager, Southern Railway at -2013 (at Lalit Kala Akademi Art gmore).

The newly converted Broad Gauge Manamadurai-Virudhunagar (at ay Station).

Puduchery-Kanniyakumari weekly 2013 at 17 30 hrs. at Puduchery Thiru Kotla Jayaprakash Reddy, ay Minister of State for Railways samy, Hon'ble Union Minister of ater Office.

A special train hauled by ' EIR 21 rking steam locomotive – from e to Guindy flagged off by AGM.

184 Chennai Egmore-Thanjavur- ' Uzhavan Express ' Trains javur Railway Station.

In stone for ROB in lieu of LC No. ggging off of the inaugural special upruti (weekly) express at -Puduchery. Thiru Mallikarjun t, Thiru V. Narayanasamy, Hon'ble and Hon'ble MoS for Personnel, and Pension.

Inaugural special of the extended express to Puduchery at Mahe ri V. Narayanasamy, Hon'ble MoS lon'ble MoS for Personnel, Public nson.

- 28-1-2014 Inauguration of Centenary Celebrations of Pamban Railway bridge at Pamban Railway station by Bharat Ratna Dr. A. P. J. Abdul Kalam, Former President of India, Shri K. Shivakumar alias J. K. Ritheesh, M. P.
- 23-2-2014 Flagging off of the inaugural specials of MAQ-Madgaon, Intercity express, MAQ-Kacheguda Bi-weekly express & MAQ-Bhatkal DEMU services by Shri Mallikarjun Kharge, Hon'ble MR. Shri B. Ramanath Rai, Hon'ble Minister for Forest and Environment, Govt. Karnataka at Mangalore Central Railway station.
- 7-3-2014 A new Cardiac Catheterization Laboratory System was inaugurated in the Cardiac unit at Southern Railway Headquarters Hospital, Perambur, Chennai by Dr. P. S. Prasad, Director General/ Railway Health Services/Railway Board/New Delhi, in the presence of Shri Rakesh Misra, General Manager, Southern Railway. Dr. R. P. Buden, Chief Medical Director, Southern Railway and Dr. Prasanna Kumar, Medical Director, Southern Railway Headquarters Hospital, Chennai.
- 24-3-2014 A training program-cum-demonstration was organised for the benefit of train passengers on 24-03-2014, Monday on platform No. 6 at Chennai Central Railway station under the leadership of Shri S. Vijaya Kumaran, Additional General Manager, Southern Railway in the presence of Shri S. Anantharaman, Chief Safety Officer-cum-Chief Operations Manager, Southern Railway, Shri S. Mohan Raja, ADRM/III/Chennai and other Railway officers.
- 26-3-2014 In commemoration of 160 years of service to the nation by Indian Railways, an exhibition of photographs, arranged at the new concourse area of Chennai Central Railway station, inaugurated by the Divisional Railway Manager, Chennai Division.

8. RAILWAY USERS' COMMITTEE

Various Consultative Committee Bodies, Viz.. Zonal Railway Users' Consultative Committee. Divisional Railway Users' Consultative Committee, Sub-urban Railway Users' Consultative Committee and Station Users' Consultative Committee provide opportunities for Rail Users to interact with the administration. The issues addressed are broadly related of passenger amenities construction of new lines, gauge conversion works, etc.

The committee have representatives from Parliament, State Legislatures, State Governments, Chamber of Commerce and Trade Associations, Agricultural interests, Public Sector Undertakings, Passenger Associations, besides nominations under Special Interests.

During the year 2013-2014 two meetings of DRUCC at Chennai, two meetings at Tiruchchirappalli and three meetings at Madurai were held. Two meetings at Palakkad, three meetings at Thiruvananthapuram and three meetings at Salem were conducted.

9. VIGILANCE ORGANIZATION

The functions of the Vigilance Department comprise of Preventive, Investigative and Educative in the sphere of anti-corruption activities. Regular Seminars and Workshops were conducted by Vigilance Department to update the knowledge of the employees regarding the latest rules in force and to train them to be effective in discharge of their duties. Preventive checks are conducted to identify weak spots in the system and remedial actions are suggested to avoid revenue leakage. The vigilance also monitor the DAR cases arising out of vigilance / SPE investigation. The

complaints having Presidential & PMO references, CA-iii references, CVC's referred are dealt on priority. Source information on alleged irregularities are collected from various quarters and surprise checks are organized to nab the offenders indulged in irregularities. A close liaison is maintained with CVC & CBI. Preventive checks are conducted regularly on officials of doubtful integrity and those who are on "Agreed" and "Secret" lists.

2. Handling of Complaints

Detailed investigations are undertaken in all cases of genuine complaints, which are having vigilance angle. During the year 2013 - 2014, 214 complaints were taken up for investigation, 186 complaints (Gaz. 18 & Non. gaz. 168) have been investigated and the results thereof are given below :—

	Gazetted	Non-gazetted
No. of major penalty proceedings initiated.	-	3
No. of minor penalty proceedings initiated.	-	18

3. Preventive Checks:

Regular and surprise inspections are conducted on sensitive areas which are susceptible to corruption. Every year, Railway Board identifies certain thrust areas to conduct preventive checks. This includes Mass Contact Area, like PRS, Booking Office and Trains, which help in prevention and detection of irregularities in areas which has a great impact on the image of the Railways. Special Checks are organized during important festival seasons and holidays in PRS and in Trains to detect irregularities so that genuine passenger is not put to unnecessary hardship. Re-weighment is done regularly to detect leakage of revenue due to over-loading, which is having a safety angle as well as. Scrutiny of expenditure/earning contracts, leakage of HSD/Lube oil, checks on e-tickets, refund of reservation tickets, fraud in SPTM/UTS tickets, misuse of concessions/passes, disposal of scraps, Hospital management, check on quality of construction are the other thrust areas on which checks are conducted to detect possible irregularities and to plug leakage of revenue. Apart from these thrust areas, the vigilance focuses on other areas where there are possibilities of committing frauds.

During the year 2013 - 2014, 3,756 preventive checks were conducted by the Vigilance Organization. Department-wise breakup of checks done is furnished below:-

	No. of checks
Accounts	13
Civil Engineering	122
Electrical Engineering	51
Mechanical Engineering.. .. .	75
Medical	22
Personnel	151
Security	85
Signal & Tele-communication	34
Stores	58
Commercial/Operating.. .. .	3,098
Others	47
Total	3,756

A total number of 12 "Departmental Test Checks" were conducted over stations, trains, circulating areas of major stations etc. during the year 2013 - 2014 to curb down the malpractices.

In order to augment the checks made in mass contact areas, the vigilance organization is also conducting checks on tout activities. During the last financial year, vigilance conducted 875 checks and 278 touts/anti-social elements were apprehended and prosecuted. Tickets to the value of Rs.3,38,861/- were seized and an amount of Rs.1,25,800/- was collected as fine.

4. Punitive Action taken during the year 2013 - 2014

The Inquiry Organization functioning under SDGM & CVO has completed 153 departmental Inquiries during the year 2013 - 2014 and Inquiry Reports were sent to the concerned disciplinary authorities for necessary DAR action.

No. of officials punished as a result of Vigilance DAR proceeding

Penalty	Gazetted	Non-gazetted	Total
MAJOR	15	116	131
MINOR	22	519	541

5. Earnings accrued to the Railway through vigilance checks during the year 2013 - 2014 was Rs. 3,69,68,203/-

The break-up of the earnings through vigilance check is as follows:

Sl. No.	Details of earnings	Amount (₹)
1	Earnings from without ticket passengers	73,636
2	Earnings from un-booked luggage/parcels	6,775
3	Earnings from undercharges realized	2,94,58,357
4	Earnings from excess/shortfall in Govt. cash	5,429
5	Other traffic recoveries	4,23,725
6	Leave Account / Establishment matter	53,920
7	Technical recoveries	68,18,961
8	Amount realized as fine by Court of Law	1,27,400
	Total	3,69,68,203

6. System Improvements suggested by Vigilance:

As a part of preventive vigilance, the following System Improvements were suggested during the year 2013-14 based on preventive checks and complaint investigations.

6.1 Based on a preventive check on the account of released copper contact wire at one of the OHE depots, a system improvement was suggested that to account the scrap in length as well as in weight. The same has been accepted.

6.2 During a preventive check conducted in ZETTC/AVD, it was noticed that the canteen was operated by a Catering Contractor on temporary basis for a period of one year. The Railway materials such as cooking vessels, gas cylinders, grinders, etc. were used by the contractor for preparing food without any securing deposit, electricity charge, etc. Hence, the following system improvement was suggested.

1) The Railway dated 1-7-2010 subject has to be

2) If outsourcing done duly follow

3) If adequate is not received, outsider on temporary basis for not more than 3 months with prior PHOD.

4) Whenever any Rail vessels/accessories to contractors for preparation agreement on temporary basis has to be collected from the contractor concurrence from the financial charges are to be collected.

6.3 During a preventive commissioning of Coac noticed due to delay in Hence, the following Sy to CME/Plg. who is co-

"The consignee site details will Departments (El time of submitting in processing the through COFMO ensure such processing the

6.4. A system improvement preference should be laboratories for testing inspection. Whenever, during the joint inspection Government laboratory the desired tests. The inspection report. If not available for conducting reputed private Laboratory in the joint inspection paid by RITES/Railway contractor. If the joint vigilance, vigilance associated while collected are to be paid by RITE the contractor. In case vigilance case, vigilance associated.

6.5 Based on the process of preparation improvement of provision was formulated by CO same was issued by C vide policy circular No and the same was made Railnet page.

6.6 A system improvement the procedure of obtaining assigned RRC duty part in the exam at the

letter No. E(MPP)2009/3/6 ny latest guidelines on the ved strictly.

decided, the same should be ndering process:—

use to the tendering process nteen may be operated by basis for not more than 3 oval from respective DRM/

materials such as cooking anded over to the outside d without proper contract is, security deposit amount e contractor duly getting or the amount and electricity

check, undue delay in shing plan at CW/PER was g the location for installation. mprovement was suggested ing the M&P procurement:-

furnish the proposed approval of Sister & Engineering) at the ndent to COS as like rement of M & P items ne M & P section may clearance before

it was suggested, that first an to Government testing samples drawn during joint d to send samples drawn efforts to be made to identify state or central] for conducting as to be recorded in the joint Government Laboratory is esired tests, NABL accredited y be considered duly recording The testing charges are to be irectly and not through the ection is at the instance of l should also invariably be sample. The testing charges ways directly and not through joint sampling arising out of ial should also invariably be

by vigilance to streamline the ission of NS indents, a system eck list along with NS indents and cleared by vigilance. The ER for the use of all concerned, 013 as a joint procedure order lable at the web page of stores

was suggested to RRC to extend eclaration from Group 'D' staff ne of their relatives are taking e.

6.7 In the photo copying contract at CPO's office, a system improvement was suggested that the bills submitted by the contractor should accompany the copy of the requisition along with the certification and sanction by the executive viz. CPO/MAS.

7. Vigilance Awareness Programmes:

7.1 A seminar for the TTEs, 'TTEs – The Face of Indian Railways', was conducted at HQ on 18-4-2013

7.2 On 22-4-2013 a seminar was conducted at ZETTC/AVD for supervisors/officers of Electrical Branch, on vigilance awareness.

7.3 A one day workshop on 'Vigilance Matters' conducted at Palakkad division on 10-5-2013. SDGM and team of vigilance officers participated and made power point presentation which was attended by DRM, ADRM, Branch Officers and other officers of all departments.

7.4 A lecture on vigilance was delivered at SRCETC/TBM for trainees during May 2013.

7.5 Two Nos. of training on vigilance awareness was conducted on 22-5-2013, one at ZETTC/AVD for supervisors of Electrical Branch and another at ZTC/S&T/PTJ for supervisors of S&T branch.

7.6 A seminar for the front-line staff, TTEs,, 'TTEs – The Face of Indian Railways', was conducted at TPJ on 07-5-2013 & CBE on 14-5-2013

7.7 A class on Vigilance awareness was taken on 13-6-13 at SRCETC/TBM for the ongoing training programme for SSEs/JEs of P.Way and Works cadre.

7.8 A training on vigilance awareness was conducted on 01-6-2013 at ZETTC/AVD for supervisors of Electrical Branch.

7.9 A training on vigilance awareness was conducted on 26-6-2013 for Electrical officers at MAS.

7.10 A workshop on 'Vigilance Case Study' conducted at Salem division on 16-6-2013 with SDGM and other Vigilance Officers and made power point presentation which was attended by Officers of all departments.

7.11 A vigilance awareness seminar was conducted on 11-7-2013 to Supervisory Official, at ZTC/PTJ.

7.12 A "presentation" on preparing charge sheet was made by Dy.Chief Inquiry Officer/HQrs. to the Vigilance Inspectors of S.Rly. on 2-7-2013 at HQrs.

7.13 Two classes on Vigilance awareness was taken on 16-7-13 & 26-7-13 at SRCETC/TBM for the on-going training programme for SSEs/JEs of P.Way and Works cadre.

7.14 A lecture given on Vigilance awareness for the refresher course for SSEs/JEs of P.Way and Works cadre at SRCETC/TBM on 30-8-13.

7.15 Vigilance Awareness Seminar conducted for supervisors and OS in PTJ training school during Nov.2013.

7.16 A Vigilance awareness programme was taken on 18-12-13 at SRCETC/TBM for the refresher course for SSEs/JEs of P.Way, BRI and Works cadre.

7.17 Shri K.V. Sundaresan, Dy.CVO/M delivered Guest lecture on "Role of Vigilance" to Departmental and Directly Recruited Candidates undergoing training for the post of Supervisors in Mechanical Department at Diesel Traction Training Centre, Golden Rock on 4-1-2014.

7.18 Shri K. Vijayaprasad, AVO/G delivered lecture on 'Preventive vigilance' to probationary commercial clerks at Zonal Railway Training Institute, TPJ on 24-1-2014.

7.19 Two guest lectures were delivered by CVI/Engg. on Vigilance awareness for SSEs/JEs of P.Way and Works cadre at SRCETC/TBM on 31-1-2014 & 14-2-2014.

7.20 A seminar on "Framing of Right Charge Sheet" was conducted on 07-3-2014 for the benefit of vigilance inspectors.

7.21 Two guest lectures were delivered by CVI/Engg. on Vigilance awareness for SSEs/JEs of P.Way and Works cadre at SRCETC/TBM on 14-3-2014 & 27-3-2014.

7.22 A lecture was delivered to Probationary Commercial clerks at Zonal Railway Training Institute, TPJ on "Preventive Vigilance" by Shri K. Vijaya Prasad, AVO/Genl. On 29-3-2014.

Vigilance Awareness Week

7.23 Vigilance Awareness week was observed from 28th October 2013 to 2nd November 2013 in Southern Railway. On 28th October, pledge was administered by the Head of the Office in Headquarters, Divisions, Workshop & other units. Banners and posters depicting message of Honesty and Anti-corruption slogans were put on display at important places in all the Offices and Stations.

7.24 Essay competitions, workshops, debates etc were organized at all the Divisions, Zonal Railway Training Institute and Central Training Institutes on topics related to Vigilance and Anti-corruption. Wide coverage by the media was also arranged for all these functions.

7.25 A Drama, titled "Nermaiya mattum Nesi", on the theme of importance of being honest was staged at various divisions by "Rail-Priya" troupe, which is composed of our Railway Employees.

7.26 Dy.CVO/A organized & co-ordinated the vigilance awareness programmes in all the Railway Schools of Southern Railway for the benefit of students.

7.27 A presentation on Leveraging of Technology was given by Dy.CVO/A to the officers and staff of MDU division on 30-10-2013.

7.28 On 31-10-13, Dy.CVO/E participated in the vigilance awareness seminar conducted by the construction organization at Chennai Egmore.

7.29 Dy.CVO/M delivered Guest lecture at Diesel Shed Golden Rock, Railway Mixed Higher Secondary School, Golden Rock and Zonal Training School, Trichy on the eve of Vigilance Awareness Week 2013.

7.30 Dy.CVO/T conducted a seminar on 29-10-2013 for Commercial Inspectors at HQrs., during the Vigilance Awareness week, 2013.

8. Vigilance Publications during 2013 - 14

8.1 A Special Vigilance Bulletin was published during Vigilance Awareness week, which contained articles from Officers & Inspectors of Vigilance department, as well from the employees of open-line.

8.2 "Chetana Chingari", a bi-monthly *e-bulletin* of the Vigilance Department is being published online. The bulletin covers important case studies, Railway Services (Conduct) Rules, Discipline and Appeal Rules, recent circulars of the Railway Board and articles on various aspects of anti-corruption methods.

10. GENERAL MANAGER

General Manager
Principal Heads of Department
March 2014 are as follows

Sl. No.	Dated	Division
1	18-11-2013	PG
2	27-11-2013	TF
3	03-12-2013	MC
4	04-12-2013	TV
5	14-12-2013	S
6	07-01-2013	M

ANNUAL INSPECTION

Annual Inspections along with
it during the year April 2013 to

Station covered from-to	Distance in Kms.	Gauge in Kms.
SRR-CLT	85.93	BG
D-VM-PDY	197.76	BG
SCT-MDU	173.37	BG
TEN-TVC	144.36	BG
BE-IGU-ED	100.69	BG
AJJ-JTJ	144.54	BG



II. राजभाषा में प्रगति/PROGRESS OF HINDI

1. Organisation

A Separate Hindi Organisation is functioning under the direction of Mukhya Rajbhasha Adhikari. She is assisted by Sr.Rajbhasha Adhikari, Rajbhasha Adhikari, and other staff of Hindi Organisation spread over different units.

2. Training in Hindi

In order to implement Official Language policy of Union of India, Southern Railway has been giving special attention in the training area. Since major part served by this Railway falls under Tamil Nadu, which is situated in 'C' region, time-bound training of all the employees is a challenging task. In order to speed up the training, all the training programmes such as intensive course, Regular classes, correspondence, Private study courses and part time classes are fully utilised in order to get more and more staff trained. Wide publicity of all the incentive schemes and awards for passing Hindi exams have also been given, so that more and more staff take advantage of all the training facilities.

During the year 2013 -2014 a total of 926 employees have been trained in Hindi under various training programmes. A compilation of solved question Papers of Prabodh Training course was published for the benefit of trainees.

Apart from this, the open line staff, for whom the prescribed level of Hindi Training is Prabodh and who are not required to do file work are being trained in Hindi through 'RAIL PRABODH' course during 2013-14, 2581 employees have been trained in Rail Prabodh.

Rail Prabodh Booklets with contents based on the specific duties of the staff working on open-line was also published in trilingual form.

3. Conversational Training

To give training to frontline staff who come in contact with the public, conversational training is being imparted. During the year 2013-14, 86 employees have been trained in Hindi Conversation Course.

4. Hindi Type Writing and Hindi Stenography

Hindi Typing and Hindi Stenography training is imparted through Hindi Teaching Scheme, Ministry of Home Affairs. Staff are given training in Hindi Computer Keyboard also. 4904 employees have been trained till now in Hindi Keyboard and they are typing out small templates in Hindi. In Southern Railway 2226 dictations were given in Hindi also by the Officers during the year under review.

Hindi Workshop :- During the year 2013 -2014, 20 Hindi Workshops were conducted all over S.Rly and 15 Officers and 613 Employees were trained in the workshop.

5. Computerisation in Hindi

There are 3395 Computers in Southern Railway and all of them have bilingual facility. Southern Railway website WWW.southernrailway.org & www.srailway.com have been made bilingual and important templates and Annual Programme have been uploaded on this site. Information regarding passenger amenities is also available in two languages i.e., English and Hindi. Besides, a separate page for HINDI is opened in the Intranet. Learn a word a day, competition results and other activities of Hindi are uploaded in the intranet from time to time.

6. Section 3 (3) of OL Act.

Documents coming under section 3(3) of the OL Act 1963 are to be issued in bilingual form. Southern Railway has achieved 99.9% (31.03.14) compliance during the year under review. All reports submitted to various Parliamentary Committees visiting this Railway have been prepared in Hindi-English bilingual form. All invitations for various functions have been printed in Hindi & English.

7. Implementation

OFFICIAL LANGUAGE IMPLEMENTATION COMMITTEE (OLIC)

To review the progress of Hindi at different levels 85 OLIC's are functioning in this Railway. Quarterly Meetings of these committees are conducted regularly.

8. Shield

Rajbhasha shield is awarded to the best performing division and workshop with regard to implementing various aspects of Official Language. Apart from this Inter-Branch Rolling Shield is being awarded to the Branch of HQRS who is doing maximum usage of Hindi in their work every year. During the year under review, I, II & III Prize of the Inter-Branch Rolling Shield was bagged by Operating Department, Stores Department and Electrical Department respectively.

9. Use of Hindi in Public Address Systems

A Computerised digital announcement system has been installed at announcements are made in this stations.

10. Inspections made by Officers

Officers are requested during the ZOLIC/OLIC meetings to inspect imple routine inspections. Check list of items pertaining to OL Inspections has been pr the year under review, 2190 inspections on Official Language aspect has also b

11. Preparation of Charts/Drawings in Hindi

Headings and sub-headings of Drawings of Engineering, Mechanical, HQRS & Divisions are being prepared in Hindi also either manually or throug

12. Original Work in Hindi

Noting in Hindi

During the year 2013-14, 44,453 notings were done in Hindi out of 1,25, Workshop.

Employees have used Hindi in their routine notings every quarter.

Entries in Registers/Diaries.

During the year 2013-14, 23002 headings/subjects on registers/Diaries v entries in 12183 registers/diaries were made in Hindi-English mixed language. balance registers/diaries in bilingual form.

13. Use of Railnet

Reports such as Quarterly Progress Report and Half-yearly Progress Repo through Railnet.

14. Usage of Templates

Routine types of letters have been translated into Hindi and loaded in the c bilingual form with a view to increase the usage of Hindi in correspondence.

15. Hindi Magazine

House Magazines in Hindi are published by all the Divisions, Hqrs. Office

16. Rajbhasha Vartha Patra

Every Quarterly Zonal Official Language Implementation committee me being released at Hqrs. level. In this, worth mentioning activities of all Divisions, V Seminars, release of help literatures, implementations aspects are highlighte released during the meeting.

A e-version of Rail Kaireli & sangam of PGT Dn. and TVC Division res meetings.

17. Seminars in Hindi

During the year 2013-14 seminars on various subjects in Hindi are conduc & Workshops of S. Rly. During the year under review 10 seminars were cond

18. Help Literatures

During the year 2013-14, 10 help literatures in Hindi on various subjects Divns. & Workshops of Southern Railway.

19. Hindi Library

To increase the Hindi knowledge of officers and employees, 64 Hindi Libra A total number of 62 Hindi Titles were purchased during the year under review propagate & utilize the Hindi books, a quiz on the book 'MAHASAMAR' writter Besides, Books & authors competition, writing Hindi Words & Meanings, CD for the Hindi Day celebrations of Hqrs. In all these competitions 107 officers/

tant stations & trilingual

n of Hindi also during their d to all the officers. During cluded.

I & Electrical branches of puters on AUTO-CAD.

otings in Hqrs, Divisions &

ritten in bilingual form and forts are taken to make the

being sent to Railway Board

er of concerned branches in

Workshops of this Railway.

a Rajbhasha Newsletter is ops like training, Workshops, e-version of the same is also

ely are released during the

periodically by Hqrs. Divisions

printed & distributed in Hqrs.

re functioning in this Railway. headquarters . With a view to arendra kohli was conducted. I competition was conducted yees participated.

III. वित्तीय परिणाम/FINANCIAL RESULTS

Financial Results of Working

Financial Results of working for the year 2013-14

(Rupees in lakhs)			
Particulars	Actuals 2012-13	Actuals 2013-14	
1. (a) Capital-at charge	9,15,853	10,42,508	
(b) Investment from Capital Fund	3,56,581	3,56,581	
2. (a) Gross Traffic Earnings ..	6,02,875	6,84,554	
(b) Suspense	-949	-1,979	
(c) Gross Traffic Receipts ..	6,01,926	6,82,575	
3. (a) Ordinary Working Expenses	5,79,820	6,58,348	
(b) Suspense	-4,537	-7,050	
(c) Ordinary Working Expenses (incl. susp.)	5,75,283	6,51,298	
4. Appropriation to D. R. F. ..	51,100	57,731	
5. Appropriation to Pension Fund..	1,56,400	1,88,734	
6. Payment to worked lines ..	—	—	
7. Total working Expenses ..	7,82,783	8,97,763	
8. Net Traffic Receipts ..	-1,80,857	-2,15,188	
9. Net Miscellaneous Receipts ..	47	278	
10. Net Revenue	-1,80,810	-2,14,910	

3. Coaching Earnings

(a) Passenger Earning under important Heads During 2013-2014 compared with 2012-2013

Particulars	Traffic Earnings		Difference		Percentage of Variation	
	2012-2013	2013-2014	2012-2013	2013-2014	2012-2013	2013-2014
	Number of pass. Earnings (in thousands)	Number of pass. Earnings (in lakhs)	Number of pass. Earnings (in thousands)	Number of pass. Earnings (in lakhs)	Number of pass. Earnings (in thousands)	Number of pass. Earnings (in lakhs)
A. Non-Suburban						
Air-conditioned First Class	337	2,847	382	2,727	45	-120
Air-conditioned 2-Tier	3,688	21,858	4,200	24,097	512	2,239
Air-conditioned 3-Tier	10,311	43,023	11,035	52,275	724	9,252
A. C. Chair Car ..	3,209	10,860	3,822	12,813	613	1,953
First Class—						
(a) Mail/Express ..	283	1,725	207	1,379	-76	-346
(b) Ordinary ..	885	335	829	361	-56	26
Total ..	1,168	2,060	1,036	1,740	-132	-320
Second Class Sleeper—						
(a) Mail/Express ..	59,912	91,036	61,097	1,10,765	1,185	19,729
(b) Ordinary ..	547	428	583	551	36	123
Second Class Ordinary—						
(a) Mail/Express ..	1,22,172	75,181	1,11,775	82,021	-10,427	6,840
(b) Ordinary ..	2,76,476	20,784	2,55,438	24,971	-21,038	4,187
Total Non-Suburban ..	4,77,820	2,68,077	4,49,338	3,11,960	-28,482	43,883
B. Suburban						
First Class (Ordinary)	90	49	95	57	5	8
First Class (Season)	10,636	997	10,037	1,092	-599	95
Second Class (Ordinary)	1,56,685	8,288	1,73,599	10,581	16,914	2,293
Second Class (Season)	2,27,772	4,950	2,24,202	5,374	-3,570	424
Total Suburban	3,95,183	14,284	4,07,933	17,104	12,750	2,820
Grand Total	8,73,003	2,82,361	8,57,271	3,29,064	-15,732	46,703

(Rupees in lakhs)

Particulars	Actuals 2012-13	Actuals 2013-14
11. Payment to General Revenues— Subsidy from General Revenue towards Divident Relief and other concessions.	24,418	35,478
12. Surplus/Shortfall ..	-2,05,228	-2,50,388
13. Operating Ratio ..	130.59	132.18
14. Percentage of Net Revenue to Capital-at-charge and Investment from Capital Fund.	-14.21	-15.36

2. Traffic receipts

The details of Revenue Receipts for 2012-13 and 2013-14

(Figures in lakhs of ₹)

Heads of Traffic	2012-13	2013-14	Variation
Passenger ..	2,82,361	3,29,064	46,703
Other Coaching ..	32,003	37,577	5,574
Goods	2,53,675	2,79,728	26,053
Sundries	34,836	38,185	3,349
Suspense	(-) 970	(-) 1,979	(-) 1,009
Gross Earnings ..	6,01,905	6,82,575	80,670

Sundry Earnings 2012-13 includes CMRL earnings of Rs. 6,164 Lakhs.

Sundry Earnings 2013-14 includes CMRL earnings of Rs. 79.89 Lakhs.

(b) Goods earnings under important heads during 2013-14 compared with 2012-13

Sl. No.	Particulars	Tonnes carried—on System		Earnings	
		(in millions)		(₹ in lakhs)	
		2012-13	2013-14	2012-13	2013-14
A. Revenue Earnings Traffic:—					
1.	Products of Agriculture..	10.828	12.568	48,058	54,480
2.	Animals & Products of Animals.	0.000	0	0	0
3.	Products of Mines ..	27,663	30.920	83,322	1,02,537
4.	Mineral Oil ..	4,402	4,361	20,738	22,767
5.	Products of Forests ..	0,239	0,201	705	634
6.	Manufactures ..	14,502	14,841	64,270	59,615
7.	Miscellaneous ..	8,472	8,750	24,016	29,666
8.	Total Revenue traffic ..	66,106	71,641	2,43,109	2,69,699
B. Non-revenue Traffic					
9. Railway Coal—					
(a)	For Home Line ..	0.000	0.000	0.00	0.00
(b)	For Other Govt. Rlys. etc.	0.000	0.000	0.00	0.00
(c)	Diesel oil booked by Companies for Rlys.	0.000	0.000	0.00	0.00
10. General Stores and Materials for Rlys.—					
(a)	For Home Line ..	0.162	0.240	0.00	0.00
(b)	For other Govt. Rlys., etc.	0.000	0.000	0.00	0.00
11.	Total Non-Revenue ..	0.162	0.240	0.00	0.00
12.	Grand Total Revenue and Non-Revenue	66.268	71.881	2,43,109	2,69,699

(c) Other Coaching Earnings under important heads during 2013-14 compared with 2012-13.

(Figures in lakhs)				
Sl. No.	Particulars	2012-13	2013-14	Variation
1. Special Trains and reserved carriages (Public)		674	1,861	1,187
2. Special Trains and reserved carriages (Military)		1,011	888	-123
3. Luggage collected at stations ..		686	612	-74
4. Luggage collected by special ticket checking staff.		270	232	-38
5. Public Parcels ..	13,945	15,459	1,514	
6. Transport of Mail ..	2,050	2,967	917	
7. Service Parcels ..	0.00	0	0.00	
8. Miscellaneous ..	13,406	15,558	2,152	
Total	32,042	37,577	5,535	
Less Refunds ..	39	0	-39	
Net Other Coaching Earnings	32,003	37,577	5,574	
Total Coaching Earnings	3,14,364	3,66,641	52,277	

4. Ordinary Working Expenses

Appropriation Accounts for 2013-14—Statement showing percentage of Working Expenses to Earnings for the year 2013-14 :—

Name of the Railway	Percentage of Working Expenses to Earnings
Southern Railway	132.18

I. The Operating ratio—The Operating ratio of 2013-14 is 132.18 % is 1.59 points more than the Operating ratio of 2012-13. (130.59%).

(a) The Gross Earnings for 2013-14 is ₹ 6,845.54 crores as against ₹ 6,028.75 crores for 2012-13 with an increase of ₹ 816.79 crores (13.55%).

(b) The Ordinary Working Expenses for the year 2013-14 in respect of Grant No. 3 to 13 are more by ₹ 785.28 crores (13.54%).

(c) Appropriation to DRF has increased by ₹ 66.31 crores (12.98%) and Appropriation to Pension Fund has increased by ₹ 323.34 crores (20.67%) during 2013-14.

(d) The Total Working Appropriation to DRF and (excluding suspense) as a with an increase of ₹ 1,174

II Earnings.—Analysis of

(a) **Passengers :—** Earnings is ₹ 467.03 crore previous year. The break-up

Increase in fares ..	530.47
Increase in traffic ..	-63.44
Total ..	467.03

(b) **Other Coaching.—** Earnings is ₹ 55.74 crores previous year. The details

(i) Increase in Parcels ..	15.16
(ii) Increase in Luggage ..	-1.12
(iii) Increase Under Military ..	11.01
(iv) Increase in Postal Bills ..	9.17
(v) Increase under Other ..	21.52
Total ..	55.74

(c) **Goods Traffic :—** The last year amounts to

(i) Increase in Rates ..	1,003.03
(ii) Increase in Traffic ..	-736.73
(iii) Decrease in Misc. e ..	-5.77
Total ..	260.53

(d) **Sundries :—** The increase year amounts to 9.61%.

(i) Increase under Rent ..	0.04
(ii) Increase under Dem ..	7.20
(iii) Increase in Catering ..	7.90
(iv) Decrease in Others ..	18.35
Total ..	33.49

III. Working Expenses.—An

Increase under Ordinary 3 to 12 on Gross basis (₹ ₹ 75,648.99 lakhs, which a the previous year. The re PU wise:—

(1) Salaries and Wages ..	4,118
Due to more paymen ..	
(2) Dearness Allowance ..	21,25,380
Due to twin hikes in ..	
(3) Productivity Linked B ..	-40,316
Due to less payment ..	
(4) House Rent Allowanc ..	(-)28,102
Due to less Payment ..	
(5) Transport Allowance ..	1,10,820
Due to twin hikes in ..	
(6) Kilometre Allowance ..	-1,606
Due to less payment ..	

ses for 2013-2014 including on Fund is ₹ 9,048.13 crores ₹ 7,873.20 crores for 2012-13 res (14.92%).

on over actuals of 2012-13.

increase under Passenger amounts to 16.54% over the increase is as follows :—

(Figures in crores of ₹)	
Increase in fares ..	530.47
Increase in traffic ..	-63.44
Total ..	467.03

increase under Other Coaching amounts to 17.42 % over the increase is as follows :—

(Figures in crores of Rs.)

(i) Increase in Parcels ..	15.16
(ii) Increase in Luggage ..	-1.12
(iii) Increase Under Military ..	11.01
(iv) Increase in Postal Bills ..	9.17
(v) Increase under Other ..	21.52
Total ..	55.74

base of ₹ 260.53 crores over %. This is mainly due to :—

(Figures in crores of ₹)

(i) Increase in Rates ..	1,003.03
(ii) Increase in Traffic ..	-736.73
(iii) Decrease in Misc. e ..	-5.77
Total ..	260.53

₹ 33.49 crores over the previous be mainly attributed to :—

(Figures in crores of ₹)

(i) Increase under Rent ..	0.04
(ii) Increase under Dem ..	7.20
(iii) Increase in Catering ..	7.90
(iv) Decrease in Others ..	18.35
Total ..	33.49

is of variation over 2012-2013.

ig Expenses covered by Grants excluding suspense amounts is to 12.94% more than that of for the variations are dealt by

(Figures in thousands of ₹)

(1) Salaries and Wages ..	4,118
Due to more paymen ..	
(2) Dearness Allowance ..	21,25,380
Due to twin hikes in ..	
(3) Productivity Linked B ..	-40,316
Due to less payment ..	
(4) House Rent Allowanc ..	(-)28,102
Due to less Payment ..	
(5) Transport Allowance ..	1,10,820
Due to twin hikes in ..	
(6) Kilometre Allowance ..	-1,606
Due to less payment ..	

(7) Overtime Allowance (PU-11)	
Due to more claims	70,537
(8) Night Duty Allowance (PU-12)—	
Due to enhancement in rates	55,045
(9) Other Allowance (PU-13)—	
Mainly due to rate revision under medical category staff.	44,453
(10) Fees and Honoraria (PU-14)—	
Payment of less honorarium claims	(-) 1,298
(11) Transfer Allowance (PU-15)—	
More payment on account of transfers	5,185
(12) Travelling Expenses (PU-16)—	
Due to economy measures	(-) 12,538
(13) Leave encashment during service (PU-20)	23,213
Due to more claims	
(14) Children Education Allowance (PU-25)	66,436
Due to more claims	
(15) Contingencies (PU-18 to 24)	7,909
Due to more payments of CUG, water charges.	
(16) Drawal from Stores (PU-27)	
More due to increase in activities - Track maintenance.	52,424
More drawals of stores for electric locomotive activities, Carriage & electrical, General service.	1,41,198
Less drawals of stores for Elec. & Signal equipments maintenance.	-21,670
More consumption of lubricants, Brake blocks & for station cleaning.	32,128
More drawal due to fuel consumption	27,80,027
More drawal of stores for other activities	3,780
Total	29,87,887
(17) Cost of materials - Direct Purchase (PU-28)	
Less due to decrease in activities in track maintenance.	-3,608
More purchase of material for Dsl. locomotive maintenance offset by saving under wagon.	40,311
More purchase under for Signalling electrical equipments.	39,178
More under linen procurement & sanitation	58,397
More under steam traction	-2,056
More under medical procurements	41,688
Due to increase in other activities	3,060
Total	1,76,970
(18) Fuel for other than traction (PU-31)	
More consumption of fuel for generators in Rajdhani, Shatabdi & Duranto Express.	52,191
Due to increase other minor activities including fuel for staff cars	828
Total	53,019

(19) Contractual Payments (PU-32)	
More under Contractual payments for track maintenance.	2,09,960
More due to contracts for Dsl. & Elec. locomotives & maintenance contracts.	23,522
More towards under Contractual Payments under Elect. S & T and Engg. Departments etc.,	29,376
More towards Electrical energy other than traction linen and running room contracts.	1,18,688
More towards under Contractual payments under sanitation	8,735
More consumption of Electrical Energy for traction purpose.	7,86,811
More under repairs and maintenance of Residential & Welfare buildings.	90,587
Due to less payments for RRC & other activities	2,996
Total	12,70,675
(20) Transfer of debits/credits from other Units (PU-33)	
Less debits under Permanent Way	-29,604
More inward debits under Dsl. & Elect locos	2,467
More inward debits for carriage & Wagons	96,365
Less credits for traction machines	1,44,579
Less Debits for supply of energy for non-traction purpose.	-7,103
More credits realised from IRFA	-3,55,236
Less Debits towards both Elec. & Dsl. traction.	-1,41,210
Less Debits towards for street lighting for Quarters and welfare bldgs.	-57,903
More inward debits towards RPSF & Caterings debits.	10,677
Due due to other activities	234
Total	3,36,734
(21) Adjustment of 'Wages' on POH (PU-34)	
Increase in activities under Motive Power & Wagons.	1,68,588
Increase in activities in repairs to plant & equipments.	50,801
Due due to other activities	431
Total	2,19,910
(22) Adjustment of 'Materials' on POH (PU-35)	
Increase in activities in POH repairs of locomotives.	1,30,836
Increase in POH activities of Carriages & Elec. Gen. Services.	1,13,886
Other factor	(-) 1,000
Total	2,43,722
(23) Excise Duty (PU-36)	
More payments of ED towards HSD oil	1,84,053
Due due to other activities	- 1,051
Total	1,83,002
(24) Customs Duty (PU-37)	
Minor factors	90
(25) Sales Tax (PU-38)	
More payments towards ST for fuel	4,35,604
Minor factor	(-) 3
Total	4,35,601

(26) Air Travel-Domestic (PU-39)	
Due to economy measures	-1,574
(27) Air Travel-Foreign (PU-40)	
Due to economy measures	- 714
(28) VAT (PU-41)	
More tax paid in lieu of Sales tax	1,338
(29) Arrear Payments – Salary & Wages (PU-42)	
Decrease in Arrears payments	2,90,622
(30) Arrear Payments – Dearness Pay & DA (PU-43)	
DA hikes	10,451
(31) Arrear Payments – Allowances other than DA (PU-44)	
Decrease in Arrears payments	1,04,279
(32) Service Tax DA (PU-45)	
More payments towards service tax	10,522
(33) Cost of Computers (PU-50)	
Due to more procurement of PC by departments	1,319
(34) Computer Consumables (PU-51)	
Mainly towards CRIS payments for coaching charting.	68,913
Due to economy measures	- 6,045
Total	62,868
(35) Laptops (PU-52)	
Newly introduced PU for purchase of Laptop for officers.	2,108
(36) Other Expenses (PU-99)	
More due to commission and legal charges	39,308
More for PRS terminals	13,586
More freight charges	79,276
More reimbursement of Medical expenditure & SBF.	48,868
More towards Awards & freight charges & lesser RPF/RPSF credits.	41,920
Due economy measures	- 12,904
Total	2,10,054

Percentage of Working expenses to earnings—

	Budget Grant	Revised Grant	Actuals	Actuals	Actuals
	2013-14	2013-14	2013-14	2012-13	2011-12
1. (a) Capital-at-charge	10,14,185	10,33,550	10,42,508	9,15,853	8,00,445
2. Investment from Capital Fund	3,80,143	3,56,581	3,56,581	3,56,581	3,56,581
3. Earnings—					
(a) Passenger	3,83,718	3,37,690	3,29,064	2,82,361	2,56,597
(b) Other Coaching	36,100	37,000	37,577	32,003	26,958
(c) Goods	2,81,163	2,78,200	2,79,728	2,53,675	2,23,408
(d) Sundries	34,500	34,500	38,185	34,836	53,845
(e) Total Gross Earnings	7,35,481	6,87,390	6,84,554	6,02,875	5,60,808
(f) Traffic Suspense and demands recoverable.	400	600	-1,979	(-949)	(-1,220)
(g) Gross traffic receipts	7,35,881	6,87,990	6,82,575	6,01,926	5,59,588
4. Working Expenses—					
(a) Ordinary working Expenses	6,48,564	6,53,976	6,58,348	5,79,820	5,04,032
(b) Appropriation to DRF	54,800	47,500	57,731	51,100	49,005
(c) Appropriation to Pension Fund.	1,67,200	1,80,000	1,88,734	1,56,400	1,34,395
(d) Suspense	(-) 3,804	(-) 4,409	(-)7,050	(-)4,537	2,236
(e) Total working Expenses.	8,66,760	8,77,067	8,97,763	7,82,783	6,89,668
5. Net Traffic Receipts 3(g)-4(e) (-)	1,30,815(-)	1,89,077(-)	2,15,188(-)	1,80,857	(-1,30,080)
(a) Miscellaneous Receipts	430	430	544	327	318
(b) Miscellaneous Payments	366	316	266	280	350
(c) Net Miscellaneous Receipt.	64	114	278	47	(-) 32
7. Net Revenue 5+6 (c)	(-) 1,30,815(-)	1,88,963(-)	2,14,910(-)	1,80,810(-)	1,30,112
8. (a) Payment to General Revenue	38,748	48,611	48,869	34,290	36,912
9. Subsidy from G. R. towards dividend relief & other concessions.	9,912	13,298	13,391	9,872	10,172
10. Surplus (+)/Deficit(-)	(-) 1,59,651(-)	2,24,276(-)	2,50,388(-)	2,05,228(-)	1,56,852 (7-8+9)
11. Percentage of working expenses to Gross Earnings	118.37	128.24	132.18	130.59	122.58

Comparison of Working Expenses realised for 2013-14 with

1. More on working expenses	..	75,64,899
2. More under DRF	..	6,63,100
3. More under Pension Fund	..	32,33,400
4. Less under charged (3)	..	1,98,290
5. More credits Realised (6)	..	- 93,984
6. More under PF, Pension	..	1,83,527

(ii) Details of Working Expenses

De-mand No.	Abstract
(3) A General Superintendent	
(4) B Repairs and Maintenance Way and Works.	
(5) C Repairs and Maintenance Wagon.	
(6) D Repairs and Maintenance Equipment.	
(7) E Repairs and Maintenance Stock &	
(8) F Operating Expenses	
(9) G Operating Expenses	
(10) H Operating Expenses	
(11) J Staff Welfare and	
(12) K Miscellaneous work	
(13) L Net Provident Fund Retirement Benefit	

Suspense—

(12) N. Demands Payable	
(12) N. Miscellaneous Accounts	

(iii) The particulars of additional Works during the year 2013-14 furnished below:—

(1) Capital ..	..	54,55,978	56,46,683
(2) D. R. F. ..	..(-)	3,08,866	(-) 1,48,367
(3) D. F. ..	..	2,10,464	1,96,286
(4) Capital Fund	..	0	0
(5) O. L. W. R.	..	154	52

Plan headwise expenditure break-up

2012-2013	Capital
Gauge Conversion	32,87,427
Doubling	21,06,168
Tfc. Facilities	62,383
Total	54,55,978

2013-2014	Capital
Gauge Conversion	29,36,595
Doubling	26,60,254
Tfc. Facilities	49,834
Total	56,46,683

Appropriation to Funds and Credit of 2012-13.**Summary**

(Figures in thousands of ₹)

1. More on working expenses	..	75,64,899
2. More under DRF	..	6,63,100
3. More under Pension Fund	..	32,33,400
4. Less under charged (3)	..	1,98,290
5. More credits Realised (6)	..	- 93,984
6. More under PF, Pension	..	1,83,527
Total	..	1,17,49,232

Abstract wise/Demand wise (In thousands of ₹)

De-mand No.	2012-2013	2013-2014
(3) A General Superintendent	44,64,258	47,44,550
(4) B Repairs and Maintenance Permanent	54,18,598	58,87,762
(5) C Repairs and Maintenance Motive Power	26,72,157	30,28,403
(6) D Repairs and Maintenance Carriage and	70,86,779	77,55,077
(7) E Repairs and Maintenance of Plant and	32,10,779	36,89,142
(8) F Operating Expenses Stock &	51,78,053	55,39,869
(9) G Operating Expenses	97,09,003	99,69,192
(10) H Operating Expenses	1,36,37,144	1,79,39,260
(11) J Staff Welfare and	34,20,146	36,84,856
(12) K Miscellaneous work	27,61,900	29,89,930
(13) L Net Provident Fund and other	4,23,228	6,06,755
Total	5,79,82,045	6,58,34,796

	(-) 2,49,557	(-) 2,72,222
Revenue	(-) 2,04,176	(-) 4,32,787

Comparison of the Line Capacity Works and Traffic Facility compared to the previous year 2012-2013 are

(Let figures in thousands of ₹)

	2012-2013	2013-2014
..	54,55,978	56,46,683
..(-)	3,08,866	(-) 1,48,367
..	2,10,464	1,96,286
..	0	0
..	154	52
..	53,57,730	56,94,654

(Net figures in thousand of ₹)

DF	Cap. Fund	OLWR	RSF	SRSF	Total
0	0	0	0	0	30,00,220
0	0	0	0	0	20,88,568
2,10,464	0	154	0	0	2,68,942
2,10,464	0	154	0	0	53,57,730

DF	Cap. Fund	OLWR	RSF	SRSF	Total
2	0	0	0	0	27,84,893
0	0	0	0	0	26,64,794
5	1,96,286	0	52	0	2,44,967
7	1,96,286	0	52	0	56,94,654

5. Capital

Statement showing the Capital-at-charge at the end of 31st March 2014 compared with 31st March 2013 is as under. The capital-at-charge of this Railway stood at ₹. 10,42,508 lakhs at the end of 31st March, 2014 as against ₹. 9,15,853 lakhs at the end of 31st March 2013 :—

6. Assets and Liabilities —

(a) Profit and Loss Account for the year 2013–14 compared with 2012–2013

				(Figures in thousands of ₹)	
Particulars	2012-2013	2013-2014	Particulars	2012-2013	2013-2014
I. To Working Expenses—			(i) By Earnings —		
A-3 General Superintendence & services ..	44,64,258	47,44,550	Gross Traffic Receipts	..	..
B-4 Repairs and Maintenance of Permanent Way and Works.	54,18,599	58,87,762	Passenger Earnings.. .. .	2,82,36,108	3,29,06,428
C-5 Repairs and Maintenance of Motive Power	26,72,157	30,28,403	Other Coaching Earnings	32,00,330	37,57,740
D-6 Repairs and Maintenance of Carriage and Wagons.	70,86,779	77,55,077	Goods Earnings	2,53,67,513	2,79,72,821
E-7 Repairs and Maintenance of Plant and equipment.	32,10,779	36,89,142	Others	34,83,582	38,18,465
F-8 Operating Expenses—Rolling Stock and equipment.	51,78,053	55,39,869	Suspense	94,952	1,97,943
G-9 Operating Expenses—Traffic ..	97,09,003	99,69,192			
H.10 Operating Expenses—Fuel ..	1,36,37,144	1,79,39,260	(ii) Miscellaneous receipts including receipts from Surcharge on Passenger Tickets.	27,322	53,585
J.11. Staff Welfare and Amenities..	34,20,146	36,84,856			
K.12 Miscellaneous Working Expenses ..	27,61,900	29,89,930	(iii) Subsidy from General Revenues towards Dividend.	9,87,177	13,39,088
N.12.Suspense ..	(-) 4,53,733	(-) 7,05,009			
L.13. Provident Fund, Pension and other Retirement Benefits.	4,23,228	6,06,755	(iv) Gross Loss.. .. .	1,74,37,192	2,02,92,873
Appropriation to D. R. F. ..	51,10,000	57,73,100			
Appropriation to Pension Fund ..	1,56,40,000	1,88,73,400			
II. Payment to Worked Lines.					
III. Miscellaneous Expenditure—					
Survey ..	4,533	5,194			
Open line works (Revenue) ..	23,425	21,382			
Audit ..	1,44,589	1,56,334			
Government Inspection ..	0	0			
Cost of Railway Board ..	3,00,842	3,13,022			
Railway Recruitment Board ..	82,474	66,724			
Miscellaneous charges ..	0	0			
Total ..	7,88,34,176	9,03,38,943	Total ..	7,88,34,176	9,03,38,943
To Gross Loss ..	1,74,37,192	2,02,92,873			
Payment to Dividend to General Revenue	34,29,004	48,86,898			
Grand Total ..	2,08,66,201	2,51,79,771	Net Loss ..	2,08,66,201	2,51,79,771

(b) Statement of Assets and Liabilities as on 31st March 2014, 2013 & 2012 in the form of Block Account—

(b) Statement of Assets and Liabilities as on 31st March 2014, 2013 & 2012 in the form of Block Account				(Figures in lakhs of ₹)			
Liabilities	As on 31st March			Assets As on 31st March	2012	2013	2014
	2012	2013	2014				
I. (a) Investment Financed from—							
(i) Loan Capital Advance by General Exchequer.	8,00,445	9,15,853	10,42,508	1. Cash in Hand ..	10,235	10,307	11,718
(ii) Depreciation Reserve Fund	3,73,170	4,13,287	4,50,548	2. Block Account (Contra item 1)	18,51,926	20,41,428	22,41,400
(iii) Development Fund	1,57,851	1,73,021	1,88,500	3. Funds with Central Government (Contra item 2 & 3)	-7,47,725	(-)8,49,133	(-) 8,97,911
(iv) Capital Fund	3,56,581	3,56,581	3,56,581	4. Miscellaneous Advance—Sundry Debtors (to be recovered or adjusted).	28,908	26,546	22,178
(v) Open Line Works Revenue	9,496	9,726	9,937				
(vi) Railway Safety Fund	62,047	80,624	1,00,990	5. Traffic Earnings (yet to be realised at the end of the year).	3,821	4,620	6,217
(vii) Special Railway Safety Fund	92,328	92,328	92,328	6. Items awaited adjustment with Civil Department, State Government, etc.	267	274	383
(b) Machinery and Equipment free of cost.	8	8	8				
	18,51,926	20,41,428	22,41,400				
2. Railway Reserve Fund—							
(i) Depreciation Reserve Fund	2,10,091	2,18,645	2,32,975				
(ii) Railway Revenue Reserve Fund	0	0	0				
(iii) Development Fund	(-)1,63,867	(-)1,79,834	(-) 1,95,877				
(iv) Capital Fund	(-)3,43,876	(-)3,43,876	(-) 3,43,876				
(v) Pension Fund	(-)5,13,625	(-)5,89,018	(-) 6,76,234				
(vi) Railway Safety Fund	(-)61,556	(-)80,132	(-) 1,00,500				
(vii) Special Railway Safety Fund	(-)43,732	(-)43,732	0				
	(-)9,16,565	(-)10,17,947	(-) 10,83,512				
3. Bank Account (Sundry Creditors)—							
(i) Provident Fund and other funds	94,679	10,00,004	1,04,429				
(ii) Miscellaneous Deposits.	74,161	68,810	81,172				
	1,68,840	1,68,814	1,85,601				
4. Demands Payable (i. e.) liabilities remaining undischarged at the end.	24,599	27,095	29,817				
5. Net Liabilities arising out of inter-departmental transactions.	18,632	14,652	10,679				
Total ..	11,47,432	12,34,042	13,83,985	Total ..	1,14,74,432	12,34,042	13,83,985

7. Statement of Capital Assets at the end of March 2013 and March 2014 is given below—

(Figures in thousands of ₹)

	Capital at charge as on 31st March 2013	Capital at charge as on 31st March 2014
11. New Line Construction -	1,66,84,034	1,77,86,517
12. Purchase of New line -	1,31,779	1,31,779
13. Restoration of dismantled line	(-) 89	(-) 89
14. Gauge conversion ..	3,25,56,690	3,55,18,924
15. Doubling	1,73,35,730	2,00,05,544
16. Traffic facilities & Yard Remodelling	15,47,875	15,97,803
17. Computerisation ..	6,510	7,793
21. Rolling Stock	1,14,77,590	1,20,30,083
22. Leased Assets.. ..	60,76,500	99,82,900
23. Unman LC	10,973	10,973
24. Road over/Under Bridge..	(-) 1,749	(-) 1,749
25. Track Renewals ..	8,812	8,812
26. Bridge Works	0	0
27. Signalling & Telecom. Works	1,21,130	1,21,130
28. Taking over line wire from P. & T.	(-) 2,316	(-) 2,316
29. Electrification Project ..	15,96,144	15,96,144
30. Other Electrical Works ..	2,10,575	2,19,884
37. Traction Distribution ..	296	3,085
41. Machinery and Plant ..	3,41,067	4,48,883
42. Workshop including production units	23,53,669	25,45,243
51. Staff Quarters.. ..	5,60,670	5,65,983
52. Amenity for Staff ..	64,998	64,998
53. (i) Passenger Amenities	6,077	6,060
(ii) Other Railway users' Amenities.	(-) 100	(-) 100
62. Investment in Government/Commercial undertaking Public services.	0	0
64. Other specified works ..	3,11,568	3,20,736
71. Suspense	12,53,891	22,50,408
Deduct Receipt on Capital Account	10,90,026	11,30,883
Total Capital at charge	9,15,62,298	10,40,88,545

10. Statement showing the expenditure—Plan head-wise for the year 2013:

Sl. No.	Plan Head	Capital		DRF		DF		Capital Fund		R.S.F.	
		Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1.	New Lines (Construction)	Gross	10,22,832	79,651	-	-	-	-	-	-	-
	(11)	Credit	1,128	-	442	-	-	-	-	-	-
		Net	10,21,704	79,651	-442	-	-	-	-	-	-
2.	Purchase New Lines	Gross	-	-	-	-	-	-	-	-	-
	(12)	Credit	-	-	-	-	-	-	-	-	-
		Net	-	-	-	-	-	-	-	-	-
3.	Gauge Conversion	Gross	29,60,738	1,496	1,75,266	-	-	-	-	-	-
	(14)	Credit	25,639	-	3,26,968	-	-	-	-	-	-
		Net	29,35,099	1,496	(-), 1,51,702	-	-	-	-	-	-
4.	Doubling	Gross	25,81,337	88,477	50,245	-	-	-	-	-	-
	(15)	Credit	9,560	-	45,705	-	-	-	-	-	-
		Net	25,71,777	88,477	4,540	-	-	-	-	-	-
5.	Traffic Facilities	Gross	49,928	-	-	1,96,852	729	-	-	-	-
	(16)	Credit	95	-	1,205	1,295	-	-	-	-	-
		Net	49,833	-	(-), 1,205	1,95,557	729	-	-	-	-
6.	Computerisation	Gross	1,283	-	18,115	11,326	-	-	-	-	-
	(17)	Credit	-	-	-	-	-	-	-	-	-
		Net	1,283	-	18,115	11,326	-	-	-	-	-

8. "Revised" the Position Southern Railway for 201

Nature of Fund Accounts	Open balance as on April 20
1. Depreciation Reserve Fund.	2,18,64
2. Pension Fund	(-) 5,89,01

9. The sources of funds met during the year 2017

(Figure 1)

1. Capital (including Trans Financial Adjustme
2. Depreciation Reserve
3. Development Fund *
4. Railway Safety Fund
5. Special Railway Safe
6. Open Line Works-Re
7. Capital Fund ..

* Inclusive of Expenditure

(i) Safety Works D.F. 1

(ii) Passenger Amenities:

The funds maintained by the
4 is indicated below—

(Figures in thousands of ₹)

Appropriation during the year 2013-2014 including interest and transfers without financial adjustment	Withdrawal from the fund Actual Expenditure	Balance as on 31st March 2014
69,89,671	55,56,708	2,32,97,508
57,91,702	2,45,13,324	(-) 6,76,23,453

which expenditure on works
and 2013–2014.

(let and in thousands of Rupees)

	2012-2013	2013-2014
hout	1,15,40,805	1,26,65,433
..	51,10,434	55,56,708
..	15,96,687	16,04,256
..	18,57,644	20,36,751
..	0	0
..	23,425	21,382
..	0	0
..	2,01,28,995	2,18,84,531

ards—

	2012-2013	2013-2014
..	1,84,869	1,56,639
..	7,31,479	7,02,436

(Figures in thousands of ₹)

F.	OLWR		Total	
Charged	Voted	Charged	Voted	Charged
(14)	(15)	(16)	(17)	(18)
-	-	-	10,22,832	79,651
-	-	-	1,570	-
-	-	-	10,21,262	79,651
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	31,36,004	1,496
-	-	-	3,52,607	-
-	-	-	27,83,397	1,496
-	-	-	26,31,582	88,477
-	-	-	55,265	-
-	-	-	25,76,317	88,477
-	52	-	2,46,832	729
-	-	-	2,595	-
-	52	-	2,44,237	729
-	7,571	-	38,295	-
-	-	-	-	-
-	7,571	-	38,295	-

Statement showing the expenditure—Plan head-wise for the year 2013-2014—Contd.)

Sl. No.		Plan Head	Capital		DRF		DF		Capital Fund		R.S.F.		S.R.S.F.		OLWR		Total	
			Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	
(1)	(2)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
7. Railway Research Works (18)																		
		Gross Credit																
		Net																
8. Rolling Stock (21)																		
		Gross Credit	5524493		2236815		2719										2792027	
		Net	5524493		2107411		2719										129404	2662823
(i) Locomotives																		
		Gross Credit	452811		923204												1376015	
		Net	452811		912104												11100	1364915
(ii) Loco Spares																		
		Gross Credit	45048		35391												80439	
		Net	45048		35391												80439	
(iii) Carriages																		
		Gross Credit	26059		1013414		2719										990074	
		Net	26059		1002961		2719										10453	979621
(iv) Wagons																		
		Gross Credit	71391		260425												331816	
		Net	71391		152574												107851	223965
(v) Rail-cum-road service.																		
		Gross Credit																
		Net																
(vi) Others																		
		Gross Credit	4343		4357												6700	
		Net	4343		4357												6700	
(vii) Track Machine																		
		Gross Credit	4959		24												4983	
		Net	4959		24												4983	
9. LA-LC TO IRFC, ETC. (22)																		
		Gross Credit	3906400														3906400	
		Net	3906400														3906400	
10. RO-SFT-JUNJAN (29)																		
		Gross Credit								304411							304411	
		Net								304411							304411	
11. RO-SFT-OBLES (30)																		
		Gross Credit	700		530					1738468	467						1738468	467
		Net	-700		-530					6596							7826	
12. Track Renewals (31)																		
		Gross Credit			3004587	17754											3004587	17754
		Net			748527												748527	
13. Bridge Works (32)																		
		Gross Credit	100		252951	219	140										253091	219
		Net	-100		463												563	
14. Signalling and Tele-communication (33)																		
		Gross Credit			308913	217444											526357	
		Net			24277	704											24881	
15. Taking of lines from P. & T. (34)																		
		Gross Credit			284636	216740											501376	
		Net																
16. Electrification Project. (35)																		
		Gross Credit																
		Net																
17. Other Electrical Works. Excluding Traction Distribution (36)																		
		Gross Credit	9309		17963	5601											33901	
		Net	9309		17963	5601											33901	

Statement showing the expenditure—Plan head-wise for the year 2013-2014

Sl. No.	Plan Head	Capital		DRF		DF		Capital Fund		R.S.F.	
		Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
18.	Other Electrical Works.	Gross	2789	-	78348	-	7731	-	-	-	-
		Credit	-	-	-	-	-	-	-	-	-
	Traction distribution (37)	Net	2789	-	78348	-	7731	-	-	-	-
19.	Machinery & Plant (41)	Gross	107816	-	272445	-	17885	-	-	-	-
		Credit	-	-	183	-	-	-	-	-	-
		Net	107816	-	272262	-	17885	-	-	-	-
20.	Workshops (42)	Gross	191574	-	99363	-	236134	-	-	-	-
		Credit	3595	-	1462	-	227	-	-	-	-
		Net	187979	-	97901	-	235907	-	-	-	-
21.	Staff Quarters (51)	Gross	5313	-	1,50,344	151	-	-	-	-	-
		Credit	-	-	2,750	-	-	-	-	-	-
		Net	5313	-	1,47,594	151	-	-	-	-	-
22.	Amenities for Staff (52)	Gross	-	-	29,393	-	2,40,737	-	-	-	-
		Credit	-	-	85	-	-	-	-	-	-
		Net	-	-	29,308	-	2,40,737	-	-	-	-
23.	(i) Passenger Amenities. (53)	Gross	-17	-	1,22,066	-	5,80,251	190	-	-	-
		Credit	-	-	11	-	43	-	-	-	-
		Net	-17	-	1,22,055	-	5,80,208	190	-	-	-
24.	(ii) Other Railway Users Amenities (53)	Gross	-	-	-	-	-	-	-	-	-
		Credit	-	-	-	-	-	-	-	-	-
		Net	-	-	-	-	-	-	-	-	-
25.	Investment in Govt. commercial under taking public under takings. (62)	Gross	-	-	-	-	-	-	-	-	-
		Credit	-	-	-	-	-	-	-	-	-
		Net	-	-	-	-	-	-	-	-	-
26.	Others specified Works. (64)	Gross	9168	-	3,982	-	87,414	1372	-	-	-
		Credit	40	-	200	-	-	-	-	-	-
		Net	9168	-	3,782	-	87,414	1372	-	-	-
27.	Stores Suspense	Gross	1,37,98,445	-	-	-	-	-	-	-	-
		Credit	1,30,85,441	-	-	-	-	-	-	-	-
		Net	71,30,004	-	-	-	-	-	-	-	-
28.	Manufacture Suspense	Gross	85,07,334	-	-	-	-	-	-	-	-
		Credit	82,22,959	-	-	-	-	-	-	-	-
		Net	2,84,375	-	-	-	-	-	-	-	-
29.	Miscellaneous Advance	Gross	1,496	-	-	-	-	-	-	-	-
		Credit	2,358	-	-	-	-	-	-	-	-
		Net	-862	-	-	-	-	-	-	-	-
30.	Grand Total ..	Gross	3,37,08,238	1,69,624	68,20,796	18,124,16,04,234	2,291	-	20,42,879	467	-
		Credit	2,13,51,615	-	12,82,212	-	2,269	-	6,596	-	-
		Net	1,23,56,623	1,69,624	55,38,584	18,124,16,01,965	2,291	-	20,36,283	467	-

ncld.) (Figures in thousands of ₹)

OLWR		Total	
Charged	Voted	Charged	Voted
(14)	(15)	(16)	(17)
-	-	-	88868
-	-	-	-
-	-	-	88868
-	10065	-	408211
-	-	-	183
-	10065	-	408028
-	410	-	527481
-	-	-	5284
-	410	-	522197
-	-	-	1,55,657
-	-	-	2,750
-	-	-	1,52,907
-	314	-	2,70,444
-	-	-	85
-	314	-	2,70,359
-	-	-	7,02,300
-	-	-	54
-	-	-	7,02,246
-	-	-	-
-	-	-	-
-	-	-	-
-	1,943	-	1,02,507
-	-	-	240
-	1,943	-	1,02,267
-	-	-	1,37,98,445
-	-	-	1,30,85,441
-	-	-	7,13,004
-	-	-	85,07,334
-	-	-	82,22,959
-	-	-	2,84,375
-	-	-	1,496
-	-	-	2,358
-	-	-	-862
-	21,383	-	4,41,97,530
-	-	-	2,26,42,692
-	21,383	-	2,15,54,838
-	-	-	1,90,506

Statement showing the break-up of Expenditure under the Plan Head "Machinery and Plant"

Sl. No.	Plan Head	Capital		DRF		DF		Capital Fund		R.S.F.	
		Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
(v) Accounts	Gross Credit Net	-	-	-	-	-	-	-	-	-	-
(vi) Signal and Tele-communication	Gross Credit Net	94	-	9,575	-	-	-	-	-	-	-
(vii) Medical	Gross Credit Net	-	-	61,234	33	12,172	-	-	-	-	-
(viii) Security	Gross Credit Net	-	-	-	-116	-	-	-	-	-	-
(ix) Operating	Gross Credit Net	-	-	-	-	-	-	-	-	-	-
(x) General	Gross Credit Net	1,329	-	11,636	34	415	-	-	-	-	-
Total Machinery and Plant	Gross Credit Net	1,07,816	-	2,72,445	183	17,885	-	-	-	-	-
		1,07,816	-	2,72,262	-	17,885	-	-	-	-	-

he year 2013-2014—(Concl.)

F.	OLWR		Total	
	Charged	Voted	Charged	Voted
(14)	(15)	(16)	(17)	(18)
-	-	-	-	-
-	2,335	-	12,004	-
-	2,335	-	12,004	-
-	-	-	73,406	-
-	-	-	33	-
-	-	-	73,373	-
-	-	-	-	-
-	-	-	116	-
-	-	-	-116	-
-	-	-	-	-
-	-	-	-	-
-	-	-	13,380	-
-	-	-	34	-
-	-	-	13,346	-
-	10,065	-	4,08,211	-
-	-	-	183	-
-	10,065	-	4,08,028	-

11. Correction of Expenditure of Performance

Grant No. 5—Abstract 'C'—Repairs and Maintenance of Motive Power

Grant No. 6—Abstract 'D'—Repairs and Maintenance of Carriages and Wagons

Sl. No.	Particulars	2011-12	2012-13	2013-14	Sl. No.	Particulars
1.	Expenditure actually booked	94,602.40	1,04,822.45	1,15,688.69	II. Diesel—	
2.	Total extraneous factors contributing to increase in expenses such as payment of Productivity Linked Bonus, increase in Cost of Materials, Dearness Allowance, Interim Relief, Net effect of increment, etc.	2,031.79	9,837.19	18,725.88	(i)	Expenditure on Locomotive Workshop Repairs
3.	Locomotives :				(ii)	Proportionate amount of extraneous factors
I. Steam—					(iii)	Debits raised by South Central Railway for Work done.
(i)	Expenditure on Locomotives Workshop Repairs.	155.36	45.89	31.28	(iv)	Comparable expenditure Minus item (ii) Minus item (iii)
(ii)	Proportionate amount of extraneous factors.	3.34	4.31	5.06	(v)	Index of comparable expenditure (Per cent).
(iii)	Debits raised by South Central Railway for Work done.	-	-	-	(vi)	(a) Performance measured in terms of standard 1st Class or units repaired—
(iv)	Comparable expenditure (Item [(i) minus item (ii) minus (iii)]).	152.02	41.58	26.22		Broad Gauge
(v)	Index of Comparable expenditure (per cent).	102.22	27.35	17.25		Metre Gauge
(vi)	(a) Performance measured in terms of standard 1st Class or units repaired—					Narrow Gauge
	Broad Gauge	-	-	-	(b)	Performance measured in million equated engine kilometres—
	Metre Gauge	-	1.00	0.00		Broad Gauge
(b)	Performance measured per million equated engine kilometres—					Metre Gauge
	Broad Gauge	-	-	-		Narrow Gauge
	Metre Gauge	-	22.22	0.00	III. Electrical—	

(Figures in lakhs of ₹)

	2011-12	2012-13	2013-14
is	3,247.33	4,195.39	5,547.55
..	69.74	393.72	897.95
l,	101.10	101.10	0.00
in (i)	3,076.49	3,700.57	4,649.60
iditure	73.92	120.29	151.13
l in			
lass			
..	44.00	59.00	55.00
..	0.00	1.00	1.00
..	-	-	-
per			
..	0.31	0.43	0.27
..	0.00	3.07	7.58
..	-	-	-
es	6,771.43	7,325.71	7,964.77
	145.43	687.49	1,289.21
Central	-	-	-
tem (i)	6,626.00	6,638.22	6,675.56

Sl. No.	Particulars	2011-12	2012-13	2013-14
(v)	Index of comparable expenditure (Per cent).	90.47	100.18	100.75
(vi)(a)	Performance measured in terms of standard 1st Class or units repaired—			
	Broad Gauge ..	354.27	376.46	402.76
	Metre Gauge ..	..	..	..
	Narrow Gauge ..	..	..	..
(b)	Performance measured per million equated engine kilometres—			
	Broad Gauge ..	1.80	1.82	1.73
	Metre Gauge ..	..	..	..
(c)	Performance measured per million Gross tonne kilometres—			
	Broad Gauge ..	0.007	0.007	0.007
	Metre Gauge ..	..	..	..
IV. Carriages—				
(i)	Expenditure on Carriage Workshop Repairs.	22,567.67	27,651.11	29,447.70
(ii)	Proportionate amount of extraneous factors.	484.69	2,594.95	4,766.53
(iii)	Comparable expenditure [(Item (i) minus Item (ii) minus (iii).]	22,082.98	25,056.16	24,681.17
(iv)	Index of Comparable expenditure (Per cent)	89.66	113.46	111.77
(v)	(a) Performance measured in terms of number repaired.			
	(1) Passenger Carriages (in terms of four-wheelers)			
	Broad Gauge	2,949.00	2,872.00	2,903.00
	Metre Gauge	8.00	28.00	20.00
	(2) Other Coaching Vehicles			
	Broad Gauge	205.00	606.00	611.00
	Metre Gauge	0.00	0.00	0.00
	(3) Performance of passenger carriage measured per million passenger train kilometres—			
	Broad Gauge	64.55	60.48	61.14
	Metre Gauge	20.20	189.19	263.16
	Narrow Gauge	..	..	..
	(4) Performance of other coaching vehicles measured per million vehicle kilometres—			
	Broad Gauge	1.35	4.30	6.30
(iv)	Weighted index of performance weightage given for the different gauges on the basis of cost of repairs per unit in the base year, equal weightage being given for fusion of passenger carriage and other coaching vehicle (percentage).	76.83	113.72	113.08
V. Wagons—				
(i)	Expenditure on Wagon workshop Repairs.	3,743.28	3,037.16	4,206.11
(ii)	Proportionate amount of extraneous factors.	80.39	285.03	680.82
(iii)	Debits raised by other Railways for POH of S. Rly. Wagons.	3,110.00	3,110.00	3,707.07

Sl. No.	Particulars	2011-12	2012-13	2013-14
(iv)	Comparable expenditure (Item (i) Minus item (ii) Minus (iii)).	552.89	-357.87	-181.78
(v)	Index of comparable expenditure (Per cent).	39.32	-64.73	-32.88
(vi)	(a) Performance measured in terms of number repaired			
	Broad Gauge	130.00	92.00	105.00
	(b) Performance measured per million wagon Kms. (in terms of four wheelers)—			
	Broad Gauge ..	0.23	0.18	0.20***
	(c) Performance measured per million net tonne kilometres—			
	Broad Gauge ..	0.007	0.005	0.006
(vi)	Weighted index of performance (weightage given on the basis of unit cost of repairs for the different gauge) (Per cent).	84.00	64.87	54.33
(vii)	Expenditure on other than loco carriage and wagon workshop repairs as booked.	58,117.33	62,567.19	68,491.28
(viii)	Proportionate amount of element of extraneous factors.	1,248.19	5,871.69	11,086.30
(ix)	Comparable expenditure (Item VII—Item VIII)	56,869.14	56,695.50	57,404.98
(x)	Index of comparable expenditure (Per cent).	99.41	99.69	100.94
(xi)	Gross tonne kilometres (All traction goods and proportionate of mixed plus passenger EMU and Rail Cars) (in millions).	89,263	88,718	92,241
(xii)	Index of Performance ..	103.88	99.39	103.34

*** In terms of 8 wheelers

Grant No. 8—Operating Expenses.—Rolling Stock and Equipment—

(Figures in lakhs of ₹)			
Particulars	Actuals 2011-12	Actuals 2012-13	Actuals 2013-14
1. Gross expenditure under Grant No. 08-F.	45,648.91	53,000.23	56,623.83
2. Extraneous items to be excluded.—			
(a) Expenditure on Electrical services.	8,874.61	10,155.42	10,709.24
(b) Effect of Additional D.A. & I.R.	0.00	1,934.15	4,298.77
(c) Effect of PLB	0.00	19.84	-38.89
(d) Increase in Cost of Stores	0.00	934.77	1,147.87
Total Item II ..	8,874.61	13,044.18	16,116.99
3. Comparable expenditure (Item 1 minus Item II).	36,774.30	39,956.05	40,506.84
4. Index of comparable expenditure (Per cent)	100.00	108.65	110.15
5. Performance measured in terms of Train kilometres.	69,690.00	70,750.00	73,717.00
6. Index of performance (per cent)	100.00	101.52	105.78

Grant No. 9—Operating Expenses—Traffic—

(Figures in lakhs of ₹)

Particulars	Actuals 2011-12	Actuals 2012-13	Actuals 2013-14
1. Gross expenditure under Grant No. 9.	77,393.86	97,132.07	99,733.92
2. Extraneous items to be excluded.—			
(a) Effect of Additional D.A. & I.R.	0.00	3,769.04	9,195.95
(b) Effect of PLB	0.00	- 3.89	- 121.16
(c) Effect of IRCA & IRFC transaction			
I.R.C.A.	0.00	7,014.43	8,244.91
I.R.F.C.	0.00	5,552.00	12,600.00
Total Item II	0.00	16,331.58	29,919.70
3. Comparable expenditure (Item I, minus Item II)	77,393.86	80,800.49	69,814.22
4. Index of comparable expenditure (Per cent).	100.00	104.40	90.21
5. Performance measured in terms of Train kilometres	69,690.00	70,750.00	73,717.00
6. Index of performance (Per cent).	100.00	101.52	105.78

Grant No. 10—Operating Expenses—Fuel

(Figures in lakhs of ₹)

Particulars	2011-12	2012-13	2013-14
I. Gross expenditure under Grant No.10—Operating Expenses—Fuel.	1,17,295.22	1,36,604.48	1,79,619.45
II. Extraneous factors contributing to increase/decrease in Gross expenditure —			
(1) Increase in rates of D.A. and I. R.	..	138.10	175.45
(2) Annual scale increase, Operating of posts and restructuring of cadre.	..	- 6.08	- 8.76
(3) Increase in other allowances.	..	- 98.82	- 111.16

(Figures in lakhs of ₹)

Particulars	-12	2012-13	2013-14
(4) Variation of sea-rail freight due to change in freight structures including reduction in subsidy.	..	..	..
(5) More/Less adjustment of storages.	..	..	..
(6) Increase/Decrease due to change in average rate of freight.	..	454.06	1,012.44
(7) Increase in prime cost Coal.	..	20.91	4.10
(8) Increase in prime cost of Diesel.	..	5,391.44	33,371.79
(9) Increase in average cost and sales tax on coal (due to revision of cess rate)	..	36.32	31.45
(10) Increase in average cost and Sales tax on H. S. D. oil (due to change of supply point)	..	2,643.57	8,907.93
(11) Revision of Electricity charges including per levy.	..	10,316.66	15,246.25
(12) Throw forward debit of K. P. Dock.	..	..	..
(13) Increase in average rate of H. S. D. oil.	..	..	..
(14) Reduction in average rate due to change in pattern.	..	..	..
(15) Arrears payment for charges on Bengal R Borne coal.	..	..	..
Total II	..	18,896.15	58,629.49
III. Comparable Expenditure (Item I—Item II).	295.22	1,17,708.33	1,20,989.96
IV. Index of Comparable expenditure.	100.00	100.35	103.15
V. Performance measured in terms of Gross Tonnage Kilometer of all traction (in Millions).	39,263	88,718	92,241
VI. Index of Performance	100.00	99.39	103.34



IV. नए निर्माण एवं इंजीनियरी कार्य NEW CONSTRUCTION AND ENGINEERING WORKS

New Lines Opened

Sl. No.	Divn.	Name of Work	Estimate Cost Rs. in Lakhs	Remarks
a) New lines opened during the year 2012-2013				
1.	MAS	Nil		
2.	SA	Nil		
3.	PGT	Nil		
4.	TVC	Nil		
5.	TPJ	Nil		
6.	MDU	Nil		
7.	CN/CNRS	Nil		
8.	CE/CN/MS	Karur-Salem 85 km.	753.68	Selection commissioned for passenger traffic on 25/05/2013.
9.	MTP	Nil		

2. New Lines Under Construction

Sl. No.	Division	Name of Works	Cost Rs. in crores	% of over all progress as on 2013-14	Remarks
1.	MAS	Nil			
2.	SA	Nil			
3.	PGT	Nil			
4.	TVC	Nil			
5.	TPJ	Nil			
6.	MDU	Nil			
7.	CE/CN/RS	Nil			
8.	CE/CN/MS	1. Karur-Salem New line	800.00	99%	Estimate for Rs.229.88 crores sanctioned by Board. Revised estimate for Rs.1052.68 crores is vetted by Finance and will be submitted shortly. All pending court cases regarding land acquisition were disposed and Railways have taken physical possession of required land except at a few locations of ROBs. Extra compensation court cases - out of 1300 cases, 240 cases finalised and the balance are pending in various courts. At some locations, completion of ROBs is held up for want of land. This section was inspected by CRS on 25th, 26th & 27th of February and his authorisation has been received with 85 kmph. Section opened for passenger traffic from 25/05/2013. The section handed over to Open Line Department on 26/07/2013.
		2. Trivandrum - Gingee - Tiruvanamalai (70 Km) - New Line (PB No.4)	420.00	6.00%	Detailed estimate sanctioned by Railway Board for Rs. 227.40 crores vide letter No.2008/W1/NL/SR/TT dated 21/07/2008. Details of land acquisition proposal submitted to the Tamilnadu State Government during the month of June, July 2010 & December 2013. State Government has asked for depositing Rs.11.51 cr. towards land compensation and the same has been deposited. After getting adequate land, mega tenders will be called. In the meantime, Agency fixed for construction of 8 major bridges. Out of 8 Nos. 4 completed & 4 in progress.

Sl. No.	Division	Name of Works	Cost Rs. in crores	% of over all progress as on 2013-14	Remarks
New Lines Under Construction—Contd.					
3.	Tindivanam-Nagari	(179.20 km.) New line (PB No. 5)	820.00	10%	<p>Detail estimate has been sanctioned by Railway Board for Rs. 582.83 crores for the section from Walajah Road - Ranipet to Ranipet. Contracts for earth work, bridge work, etc. are sanctioned and 90% works completed. Ranipet & Arcot land taken over. Veppur Village, between Ranipet & Arcot, has been given direction for acquisition process under normal clause of urgency clause. Fresh 4(i) petition to be issued. Revised petition to be filed in Court for alignment.</p> <p>For the remaining section, land acquisition is in progress. As the District Collector of Tiruvanamalai, Vellore & Tiruvallur have expressed their inability to process for acquisition with the existing staff, they have requested to form a special cell. Railway has accepted and if special land acquisition cell is formed, administrative sanction for the same has been received in November 2011. Government has asked for depositing Rs. 500 crores towards land compensation in Tiruvallur & Vellore Districts, and Railway Board has sanctioned the amount. In Tiruvallur Dt. & Vellore Dt. (P) requirements are yet to be sanctioned.</p>
4.	Attipattu-Puttur	(88.3 kms.) (PB No. 6)	528.00	1%	<p>Work included in Pink Book in the year 2010-11 at a cost of Rs.446.87 crores. The detailed estimate for Rs.527.37 Crores sanctioned by Railway Board vide No.2002/2010 dated 07/09/2011.</p> <p>Final survey work completed. Original project was to be taken up under cost sharing with Ennore Port Trust (Ministry of Shipping). However, EPT has advised that they would not be cost sharing the project as the anticipated traffic for the project is not expected to be realised. EPT has been advised to take a decision later.</p> <p>Land requirements furnished to Tamil Nadu & Andhra Pradesh State Governments. Pending the issue of entrusting the physical execution of the project to RVNL, Railway Board has now advised that this project may be taken up with Southern Railway. Land requirements for 22 villages in Tamilnadu have been allotted to District Collector at Tiruvallur for acquisition of the land. Budget Grant for land is not available. Detailed estimate is sanctioned, but the same are not called for want of Board's sanction.</p>
5.	Erode-Palani	(91.05 kms.) (PB No. 7)	603.22	1%	<p>Work included in Pink Book in the year 2010-11 at a cost of Rs. 288.87 crores. Detailed estimate for Rs. 603 crores has been prepared and submitted to Railway Board on 10.11.2010. Physical execution will be taken up after acquisition of adequate land and after sanction of the detailed estimate. All requirements for the acquisition of the land for 3 villages have been submitted.</p>

Sl. No.	Division	Name of Works	Cost Rs. in crores	% of over all progress as on 2013-14	Remarks
New Lines Under Construction—Contd.					
6.	Chennai-Cuddalore (via) Mahabalipuram (179.28 kms). (P. B. No. 8).		1200.00	7%	<p>In the mean time Railway Board vide their letter No.2007/W1/NL/SR/EP dt. 08/12/2010 observed that this new lien project is not considered necessary from operational point of view and a number of similar projects are not making much progress for want of funds. Accordingly, it was advsied to State Government to provide land free of cost and share 50% of balance cost of the project. This has been conveyed to Railway Board.</p> <p>This project has been frozen by Board vide letter No.2007/W-1/NL/SR/EP dt. 06/07/2011 and again reconfirmed by Board vide letter No.2007/W-1/NL/SR/EP dt. 05/02/2013. Once again Government of Tamilnadu has been requested to provide land free of cost and also to share 50% of the cost of project vide this office letter No. W.193/XXII/27/CN dt. 22/11/2013. But, State Government has again reiterated that they are not in a position to consider the Railway's request vide thie letter No.490/I.1/2011-23 dt. 07/02/2014.</p> <p>As detailed estiamte has not been sanctioned and project has been frozen by Board, tenders not called.</p> <p>Based on the above letter, State Government of Tamil Nadu has been requested to convey their consent to provide land free of cost and also to share 50% of the balance cost of the project vide this office letter No.W.193/XXII/27/CN dt. 23/12/2010. In reply to this, the State Government of Tamilnadu has expressed inability in providing land free of cost and also in sharing 50%.</p> <p>New work included in Pink Book in the year 2008-09 at a cost of Rs. 523.52 crores & revised to Rs. 1200 crs during 2014-15. Final location survey is on hand. Part Survey in Puducherry State has been completed and Part detailed estimate between New Puducherry and Varakalapattu (26.40 km) has been submitted to Board on 21/02/2012 and Board querries attended. estimate is not yet sanctioned. Survey for the balance portion is on hand. survey involves soil investigations and strengthening measures in view of Coastal region and poor soil conditions, delay is occuring. The Government of Puducherry is yet to approve the alignment. Railway Board recently has asked to rework the ROR for the detailed estimate cost.</p> <p>As the alignment is to take off from Perungudi, there will be limitation in running freight trains in the new line. Hence it is proposed to give a new link from Chengalpattu to Mamallapuram connecting the Chennai Beach - Villupuram section at Chengalpattu. For the proposed new BG line from Chennai (Perungudi) to Cuddalore via. Mallapuram, striking out the alignment is completed. 186.425 kms. of alignment has been struck. Tenders are not called as detailed estimate has not been sanctioned.</p>

Sl. No.	Division	Name of Works	Cost Rs. in crores	% of over all progress as on 2013-14	Remarks
New Lines Under Construction—Concl'd.					
7.		Madurai-Tuticorin (via) Aruppukkottai (143.5 km.) (P. B. No. 9)	800.00	6.00%	New Govt 6% to free C balant No. V Tamil reque Work Final sectic given at Tu view area. detail by Re MT d pose vision 45B i to sa
9.	MTP				luded in the year 2011-12. State of Tamilnadu has been request y their consent to provide land and also to share 50% of the of the project vide this office letter /203/CN dt. 31/12/2010 but overnment has turned down the g in the High priority list of Board. i survey is on hand. For two block uticorin (Milavittan) end, priority is of new power to block sections Milavittan) end, priority is given in power plants coming up in the tan - Melamarudur (17.5 km) part amte for Rs.120.70 cr. sanctioned board vide letter No.2009/WI/NL/SR/ /2014 after pruning down the pro of Rs.172.71 cr. duly deleting pro nos. of ROB. As the ROB on NH itially required. Board is requested he estimate including the ROB.

(I) (b) New Lines sanctioned work during 2013-14.

1.	MAS	Nil			
2.	SA	Nil			
3.	PGT	Nil			
4.	TVC	Nil			
5.	TPJ	Nil			
6.	MDU	Nil			
7.	CE/CN/ERS	Angamalai - Sabarimala Guruvayur - Tirunavaya - New BG Line.	1566.00 137.71	7.00% 150.00%	Angama GUV Ye
8.	CE/CN/MS	Sriperumbudur - Guduvanchery with spur to Irungattukottai - Avadi - Sriperumbudur (60 km) (PB No.10)	839.00	0.00%	New wo schedu awarde expend commu
9.	MTP	Nil			

3. Surveys

Sl. No.	Name of Work	Cost Rs.in lakhs	Remarks
(a) SURVEYS SANCTIONED DURING THE YEAR 2013-14			
1.	Reconnaissance Engineering-cum-Traffic Survey for a new line between Karaikudi and Dindigul via Nattam.	15.75	LOA issued and is in progress.
2.	Reconnaissance Engineering-cum-Traffic Survey for a new line between Tirunelveli and Sankarankoil via Pettai, Pudur, Sendamaram, Veerasigamani.	24.00	LOA issued and is in progress.
3.	Reconnaissance Engineering-cum-Traffic Survey for a new line Aloor - Nagercoil - Chettikulam.	3.60	LOA issued and is in progress.

Sl. No.	Name of Work	Cost Rs. in lakhs	Remarks
Survey—Contd.			
4.	Updating of Reconnaissance Engineering-cum-Traffic Survey for a new line between Thanjavur and Ariyalur.	7.50	Updated - abstract estimate is vetted by finance at a cost of Rs.452.09 Cr. IRR is under finance vetting.
5.	Updating of Reconnaissance Engineering cum Traffic Survey for a new BG line between Karaikudi and Madurai Tiruppattur road, Melur.	13.65	Updated Survey - abstract estimate is sent to finance for vetting at a cost of Rs.644.323 Cr.
(b) SURVEY IN PROGRESS DURING THE YEAR 2013-14			
1.	Updating for a new BG line between Portblair and Diglipur.	35.75	Updating Survey - abstract estimate is prepared and re-submitted to finance for vetting at a cost of Rs.1984.354 Cr.
2.	PETS between Podanur—Palghat 3rd line (Exg. Double line).	17.16	Field survey completed and yard diagrams approved by CTPM/MAS. Survey report/estimate/scale drawings is under finalisation and estimate is sent to finance for vetting at a cost of Rs.397.423 Cr.
3.	Reconnaissance Engineering-cum-Traffic Survey for a new line between Thanjavur and Pudukkottai via Gandarvakkottai.	9.75	LOA issued and survey is in progress.
4.	Reconnaissance Engineering-cum-Traffic Survey for a new line between Kanchipuram-Tiruvannamalai-Katpadi.	30.03	LOA issued and survey is in progress.
5.	Reconnaissance Engineering-cum-Traffic Survey for a new line between Kumbakonam and Vridhachalam via Jayankondam & Andimadam.	10.05	LOA issued and survey is in progress.
6.	Reconnaissance Engineering-cum-Traffic Survey for a new line between Attipattu and Ennore Sea Port.	1.00	Survey/Execution of work done by port authorities. Advise sent to Board for closure.
7.	Updating of RETS for a new line from Dindigul to Kumuli via Bodinayakanur & Theni.	20.10	Updated Survey - abstract estimate is vetted by finance (via Bodi) at a cost of Rs.828.22 Cr. & alternative route (via Teni) is also vetted by finance at a cost of Rs.727.57 Cr. IRR also vetted by finance. Report is under finalisation and will be sent to Board, shortly.
8.	Reconnaissance Engineering-cum-Traffic Survey for a new line between Karaikudi and Dindigul via Nattam.	15.75	LOA issued and survey is in progress.
9.	Reconnaissance Engineering-cum-Traffic Survey for a new line between Tirunelveli and Sankarankoil via Pettai, Pudur, Sendamaram, Veerasigamani.	24.00	LOA issued and survey is in progress.
10.	Reconnaissance Engineering-cum-Traffic Survey for a new line between Aloor Nagercoil-Chettikulam.	3.60	LOA issued and survey is in progress.
11.	Updating of Reconnaissance-Engineering-cum Traffic survey for a new line between Thanjavur and Ariyalur.	7.50	Updated-abstract estimate is vetted by finance at a cost of Rs.452.09 CR. IRR is under finance vetting.
12.	Reconnaissance Engineering-cum-Traffic Survey for a new line between Morappur to Dharmapuri via Ranimukkanur and Mukkanur. Km. 35.9.	23,895.00	Survey Report submitted to Railway Board on 11/02/2008. Railway Board asked for recast vide letter dt.08/05/2008. Cost updated (Rs.146.42 Cr. & IRR (-) 6.682%) and report submitted to Railway Board on 27/06/2008. Now, Railway Board has ordered for updating in 2013-14. Updated survey report was submitted to Railway Board on 28/02/2014. Railway Board's decision is awaited.

Sl. No.	Name of Work	Cost Rs. in lakhs	Remarks
Survey—Concl'd.			
(c) SURVEYS SANCTIONED DURING THE YEAR 2013-14			
13.	Preliminary Engineering-cum-Traffic Survey for a new BG line (3rd & 4th) between Attipattu and Gummidipundi. Km. 25.37.	30,513.00	Report submitted sought by Railway Board. Based on the Board's decision from CTPM on 2/03/04/2013. The revised IRR is (+) 3.044. Board vide letter dated 29/10/2010. Clarifications vide letter dated 28/12/2011. After the remarks are received on 12. Updated abstract estimate 23/11/2012 at cost of Rs.315.85 (+) 4.819% also sent to Board on 03/04/2013. And clarifications sought by Railway Board vide letter dated 09/09/2013 and Replied. Railway Board decision in connection is awaited.
14.	Reconnaissance Engineering-cum-Traffic Survey for a new line between Karaikudi-Tuticorin via Ramanathapuram. Km. 214.81.	87,882.00	Survey Report submitted. Again Board's objection replied on 29/01/2012. Rs.885.77 Cr. F. IRR is (+) 3.044. Railway Board's No.2011/W1/NL dated 16/09/2013, Replied vide letter no.2012/W1/NL dated 31/12/2013.
15.	New line between Karaikal-Sirkazhi. Km.41	18,667.00	The abstract estimate report was submitted and 19/01/2012 letter dated 26/1 revised abstract (+) 19.052% also Board had shelved project vide letter No.2012/W1/NL dated 31/12/2013.
16.	Survey for doubling of Trivandrum-Kanniyakumari via Balaramapuram, Kulitturai, Eraniel, Nagercoil. Km.86.56.	61,747.00	Report was sent to Railway Board No.2009/W1/DL dated 01/12/2009. Railway Board has ordered for report was submitted to Railway Board's decision in this connection is awaited.
17.	Preliminary Engineering-cum-Traffic Survey for a new BG line between Madurai and Ernakulam (Cochin) via Devaram, Panamkuttu, Nerumangalam, Varappetty, Muvuttupuzha, Kolencherry road, Thiruvankulam, Tripunittura. Km 125.6.	39,5557.00	Survey report submitted to Railway Board on 26/11/2013. Board decision in this connection is awaited.
18.	Updating survey for doubling and electrification of Madurai-Kanniyakumari via Tirunelveli & Nagercoil section (Exg. Single line) Km.245.36.	19,2565.00	Survey report submitted to Railway Board on 22/01/2014. Board decision in this connection is awaited.
19.	Updating survey for a new BG line between Chennai and Sriperumbudur via Saidapet, Kulapakkam, Poonamallee & Pudupet. Km.38.6.	91,519.00	Survey report submitted to Railway Board on 31/01/2014. Board decision in this connection is awaited.

4. Lines Closed During the year 2013-2014

Sl. No.	Division	Station & Name of Work
1	MAS	Nil
2	SA	Nil
3	PGT	Nil
4	TVC	Nil
5	TPJ	Nil
6	MDU	Nil
7	CN/CE/ERS	Nil
8	CN/CE/ERS	Nil
9	MTP	Nil

5. Progress of Major Project Works

Sl. No.	Name of work	Estimated Cost (Rs.in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2014 (Rs. in Lakhs)	Physical Progress (%)	Remarks
1.0 New Lines							
1. Karur - Salem New Line (85 kms) (PB No.2)		80000	1996 - 97	2013	77342	99%	Estimate for Rs.229.88 crores sanctioned by Board. Revised estimate for Rs.1052.68 cr is vetted by finance & will be submitted shortly. All pending court cases regarding land acquisition were disposed & Rlys have taken physical possession of required land except at a few locations of ROBs. Extra compensation court cases - out of 1300 cases, 240 cases finalised and the balance are pending in various courts. At some locations, completion of ROBs is heldup for want of land.
2. Tindivanam - Gingee - Tiruvannamalai (70 km) - New line (PB No.4)		42000	Supp.D.No. 2006-07		6046	6%	This section was inspected by CRS on 25th, 26th & 27th of February and his authorisation has been received with 85 kmph. Section opened for passenger traffic from 25/05/2013. The section handed over to Open Line Department on 26/07/2013.
3. Tindivanam - Nagari (179.20 km) - New line (PB No.5)		82000	Supp.D.No. 2006-07		18524	10%	<p>Detailed estimate sanctioned by Railway Board for Rs. 227.40 crores vide letter No. 2008/W1/NL/SR/TT dated 21/07/2008.</p> <p>Details of land acquisition proposal submitted to the Tamilnadu state Government during the month of June, July 2010 & December 2013. State Government has asked for depositing Rs. 11.51 cr. towards land compensation and the same has been deposited. After getting adequate land, mega tenders will be called. In the meantime, Agency fixed for construction of 8 major bridges. Out of 8 nos., 4 completed & 4 in progress.</p> <p>Detailed estimate has been sanctioned by Railway Board for Rs. 582.83 crores for the entire project vide Railway Board vide letter No. 2007/W1/NL/SR/TN dated 21/07/2008. In Walajah Road - Ranipet section, contracts for earth work, bridge works awarded & 90% works completed.</p> <p>In Karai, Ranipetai & Arcot land taken over. For land in Veppur village, between Ranipet & Arcot, High Court has given direction for land acquisition process under normal clause instead of urgency clause. Fresh 4(i) notification to be issued. Revised petition filed in High Court for alignment.</p>

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2014 (Rs. in Lakhs)	P/P	Remarks
New Lines—Contd.							For remaining section, land acquisition is pending. As the District Collector of Villupuram, Tiruvanamalai, Vellore & Tiruvallur has expressed their inability to process for land acquisition with the existing staff available, they have requested to form a special cell. Railway has accepted and forming of special land acquisition cell is under process. Administrative sanction for land has been received in November 2011. State Government has asked for depositing Rs. 57.62 crs. towards land compensation in Villupuram & Vellore districts, and Railway has deposited the amount. In TiruvallurDt. & Chittoor(A.P.), requirements are yet to be received.
4.	Attippattu - Puttur (88.3 kms) (PB No.6)	52800	2008-09		295		<p>Work included in Pink Book in the year 2008-09 at a cost of Rs. 446.87 crores.</p> <p>The detailed estimate for Rs 527.37 Crs sanctioned by Railway Board vide No.2002/ W-I/NL/S/1 dated 07/09/2011. Final Location Survey work completed. Originally the project was to be taken up under 50 : 50 % cost sharing with Ennore Port Trust (Ministry of Shipping). However, EPT has recently advised that they would not be cost sharing the project as the anticipated traffic in the section is not expected to be realised. Board have been advised to take a decision in the matter.</p> <p>Land requirements furnished to Tamilnadu and Andhra Pradesh State Governments.. Regarding the issue of entrusting the physical execution of the project to RVNL, Railway Board have now advised that this project should stay with Southern Railway. Land plan schedule for 22 villages in Tamilnadu area submitted to District Collector at Tiruvallur for acquiring the land. Budget Grant for land payment is not available.</p> <p>Though detailed estimate is sanctioned, tenders are not called for want of Board's decision.</p>

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2014 (Rs. in Lakhs)	Physical Progress (%)	Remarks
New Lines—Contd.							
5.	Erode - Palani (91.05 kms) (PB No.7)	60,300	2008-09		149	1%	<p>New work included in Pink Book in the year 2008-09 at a cost of Rs. 288.87 crores.</p> <p>Detailed estimate for Rs. 603 crores has been prepared and submitted to Railway Board on 13/08/2010. Physical execution will be taken up after acquisition of adequate land and after getting sanction of the detailed estimate. All papers for the acquisition of the land for 3 districts submitted. In the mean time Railway Board vide their letter No.2007/W1/NL/SR/EP dt.08/12/2010 observed that this new line project is not considered necessary from operational point of view and a number of similar projects are not making much progress for want of funds. Accordingly, it was advised to State Government to provide land free of cost and share 50% of balance cost of the project.</p> <p>Based on the above letter, State Government of Tamilnadu has been requested to convey their consent to provide land free of cost and also to share 50% of the balance cost of the project vide this office letter No.W.193/XXII/27/CN dt.23/12/2010. In reply to this, the State Government of Tamilnadu has expressed inability in providing land free of cost and also in sharing 50% of the balance cost of the project. This has been conveyed to Railway Board.</p> <p>This project has been frozen by Board vide letter No.2007/W-1/NL/SR/EP dt.06/07/2011 and again reconfirmed by Board vide letter No.2007/W-1/NL/SR/EP dt.05/02/2013. Once again Govt. of Tamilnadu has been requested to provide land free of cost & also to share 50% of the cost of the project vide this office letter No.W.193/XXII/27/CN dt.22/11/2013. But, State Govt. has again reiterated that they are not in a position to consider the Railway's request vide their letter No.490/I.1/2011-23 dt.07/02/2014. As detailed estimate has not been sanctioned and project has been frozen by Board, tenders not called.</p>

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2014 (Rs. in Lakhs)	Remarks
New Lines—Contd.						
6.	Chennai - Cuddalore (via) Mamallapuram (179.28 kms) (PB No.8).	120,000	2008-09		203	<p>New work included in Pink Book in the year 2008-09 at a cost of Rs. 523.52 crores & revised to Rs. 1200 crs. during 2014-15.</p> <p>Final location survey is on hand. Part Survey in Puducherry State has been completed and Part detailed estimate between New Puducherry and Varakalapattu (26.40 km) has been submitted to Board on 21/02/2012 and Board queries attended. Estimate is not yet sanctioned. Survey for the balance portion is on hand. Survey involves soil investigations and strengthening measures in view of Coastal region and poor soil conditions, delay is occurring. The Government of Puduchery is yet to approve the alignment. Railway Board recently has asked to rework the ROR for the detailed estimate cost.</p> <p>As the alignment is to take off from Perungudi, there will be limitation in running freight trains in the new line. Hence, it is proposed to give a new link from Chengalpattu to Mamallapuram connecting the Chennai Beach - Villupuram section at Chengalpattu. For the proposed new BG line from Chennai (Perungudi) to Cuddalore via Mamallapuram, striking out the alignment is completed. 186.425 kms. of alignment has been struck.</p> <p>Tenders are not called as detailed estimate has not been sanctioned.</p>
7.	Madurai - Tuticorin (via) Aruppukkottai (143.5 km) (PB No.9)	80,000	2011-12		48	<p>New work included in the year 2011-12. State Government of Tamilnadu has been requested to convey their consent to provide land free of cost and also to share 50% of the balance cost of the project vide this office letter No.W.337/1/203/CN dt.31/12/2010 but TN Govt. has turned down the request.</p> <p>Works figuring in the High priority list of Board. Final location survey is on hand. For two block sections at Tuticorin (Milavittan) end, priority is given in view of new power plants coming up in the area. Milavittan-Melamarudur (17.5 km) part detailed estimate for Rs. 120.70 cr. sanctioned by</p>

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2014 (Rs. in Lakhs)	Physical Progress (%)	Remarks
New Lines—Concltd.							
							Railway Board vide letter No.2009/WI/NL/SR/MT dt.20/03/2014 after pruning down the proposed cost of ₹ 172.71 cr. duly deleting provision of two nos. of ROB's. As the ROB on NH45B is essentially required. Board is requested to sanction the estimate including the ROB.
8.	Sriperumbudur-Guduvanchery with spur to Irungattukkottai - Avadi - Sriperumbudur (60 km) (PB No.10).	83,900	2013-14		48	0.00%	New work included in the year 2013-14. Tender schedule for FLS sanctioned by GM. Contract awarded. Railway Board permission for incurring expenditure for the project is yet to be communicated.
2.0 Gauge Conversion							
1	Tiruchchirappalli - Thanjavur - Nagore - Karaikal (145.33 Km) with extension Nagappattinam - Velankanni - Tiruthurai pundi via Thirukkuvalai (43 Kms.) and new material modification of Peralam-Karikal new line (23 km) Total=211:33 km (PB No.11).	90,000	1995 - 96		56,635	70%	<p>Estimates sanctioned details:</p> <p>Tiruchchirappalli - Thanjavur - Nagore section - Rs. 274.20 cr. vide letter No.92/W1/GC/S/25 dt.18/06/2010.</p> <p>Nagore - Karaikal section - Rs. 86.44 cr. vide letter No.92/W1/GC/S/25 dt.18/06/2010.</p> <p>Nagappattinam - Velankanni section - Rs.48.35 cr. vide letter No.92/W1/GC/S/25 dt.18/06/2010.</p> <p>Nagappattinam - Thirukkuvalai - Tiruturai pundi section - Rs. 126.14 cr. vide letter No.2007/W-1/NL/SR/NT/1 dt.24/07/2008.</p> <p>Material Modifications:</p> <p>i) Nagore - Karaikal (11 kms.) - Rs. 33.78 crores on 20/11/2002.</p> <p>ii) Nagappattinam - Velankanni New Line (10 kms) - Rs. 23.69 crores on 30/05/2002.</p> <p>iii) Nagappattinam - Tiruturai pundi (via Thirukkuvalai New Line (43 kms.) - Rs. 126.14 cores on 22/07/2008.</p> <p>iv) Additional facilities at Nagore and Nagappattinam - Rs. 4.17 crores on 18/09/2000.</p> <p>v) New line Karaikal-Peralam (23 km) - Rs.110.19 in the Pink Book 2013-14.</p> <p>Revised estimate sanctioned for Rs.535.13 crores vide letter No.92/W1/GC/S/25 dt.18/06/2010.</p> <p>Sections Opened:</p> <p>i) Tiruchchirappalli - Thanjavur new parallel BG (50kms) on 01/01/1998.</p>

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Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2014 (Rs. in Lakhs)	Physical Progress (%)	Remarks
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Gauge Conversion—Contd.

- 3) Tenkasi - Sencottai for Rs. 33.63 cr. vide letter No.97/W-1/GL/S/5 dt.10/08/2006
- 4) BPAC & OFC for Virudhunagar-Tenkasi-Tirunelveli-Tiruchendur (S&T) for Rs.9.07 cr. included as material modification vide letter No.97/W-1/GL/S/5 dt.16/04/2008.
- 5) Sencottai - Punalur section for Rs. 357.70 cr. vide letter No.97/W-1/GL/S/5 dated 24/11/08.
- 6) Providing coach maintenance facilities at Tirunelveli station for Rs. 11.10 cr. included as material modification vide letter No.97/W-1/GL/S/5 dt.26/09/2011.
- 7) The total cost sanctioned for the above project vide Railway Board's letter No.97/W-1/GL/S/5 dt.26/09/2011 is Rs. 842.35 cr. Revised estimate is on hand.

Sections Opened:

- 1) Gauge Converted section between Virudhunagar and Rajapalayam (52 kms.) was opened for passenger traffic on 01/06/2003.
- 2) Gauge Converted section between Rajapalayam and Tenkasi (69 Kms.) was opened for passenger traffic on 20/09/2004.
- 3) The section between Tenkasi and Sencottai (8 Kms.) opened for passenger traffic on 07/02/2008.
- 4) The section between Tirunelveli and Tiruchendur(61.21 kms.) was opened for passenger traffic on 27/09/2008.
- 5) The section between Quilon and Punalur (45 Kms.) opened for passenger traffic on 12/05/2010. Section handed over to Open Line on 31/03/2012.
- 6) The section between Tirunelveli & Tenkasi (72 kms.) opened for passenger traffic on 21/09/2012. Section handed over to Open Line on 24/04/2013.

Section in progress:

Sengottai - Punalur section - MG traffic has been closed on 20/09/2010 and various works are in progress. Progress is slow as funds are limited. Ghat section is involved.

Sengottai - Bagavathipuram (7 kms.) and Edaman - Punalur (8 kms.) are targeted for 2012-13.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2014 (Rs. in Lakhs)	P.P. P.P.	Remarks
Gauge Conversion—Contd.							<p>Non targeted - Ariyankavu - Edamann (23 km) - TDC: Not fixed.</p> <p>All works held up including tunnels, jacketing of arches, station buildings, ballast & linking for want of sufficient budget grant in 2012-13 & 2013-14.</p> <p>Issues pending:</p> <p>(i) Tenders have been awarded for most of the works & they are in progress. Against the total cost of the project for Sengottai-Punalur section out of Rs. 357 cr., Rs. 102.0 cr. has been spent. Atleast Rs. 90.00 cr. BG is required in 2014-15 to complete major works. Stores will be taken in 2015-16. Section can be planned for completion by March 2016.</p> <p>(ii) Curve flattening may not be feasible due to involvement of forest land and requirements of new tunnel and hence alignment is retained with 12° curves. Board's condonation is required and applications are being processed. Proposal is pending in CRS office for sanction. To restrict curves to 10°, two additional tunnels and forest land acquisition to be required.</p> <p>(iii) Tunnel widening works are in progress. 5 tunnels (totalling 1372 m. length) are involved. 3 are completed. T5 in progress. T1 cut & cover (50 m.) and lining (280m.) involved, cut & cover in progress. & lining not started.</p> <p>(iv) Steel girder for major bridges (5 Nos./11 spans) are being manufactured by Engineering Work Shop, Arakkonam, slightly delayed for want of RDSO clearance for 60' girders.</p> <p>(v) Masonry arch major bridges (14 Nos./80 spans). RDSO has not cleared Railway's proposal for slabs. Jacketing has become necessary. Two tenders for arch jacketing awarded and under progress. three more tender called, not finalised for want of funds.</p>
3.	Madurai - Rameswaram - Gauge Conversion (161 kms.) (PB No.13).	44,200	1997 - 98	2007	36,965	9%	Status of the estimate: Part detailed estimate for Madurai - Mandapam section was sanctioned by Railway Board for Rs. 173.68 crores on 07/02/2001. Part detailed estimate for GC work between Mandapam and Rameswaram was sanctioned by Railway Board for Rs. 73.29 crores on 17/03/2006.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2014 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Contd.							The section between Madurai - Manamadurai was opened for passenger traffic on 30/04/2005. The section between Manamadurai and Rameswaram (114 kms.) opened for passenger traffic on 12/08/2007. Pamban crossing station completed and handed over to Open Line Dept. on 27/09/2013.
4.	Thanjavur - Villupuram Gauge Conversion (192 Kms.) (RVNL Project) (PB No.14)	66,500	1998 - 99	2010	12,199	100%	<p>Status of the estimate: Part detailed estimate for Thanjavur - Kumbakonam section was sanctioned by Railway Board for Rs. 73.05 Crores on 11/03/2003. Part detailed estimate for Kumbakonam - Villupuram section was sanctioned by RVNL for Rs. 283.83 crores on 22/11/2004. As per Railway Board's letter No.2004/W-1/RVNL/22 dated 08/11/2004 Gauge Conversion from Kumbakonam to Mayiladuthurai Jn. is assigned to S. Railway Construction for execution.</p> <p>Thanjavur - Kumbakonam Section (39 kms.) was opened for passenger traffic on 02/05/2004. GC work between Kumbakonam & Mayiladuthurai (31 kms.) has been inaugurated and opened for passenger services on 17/06/2006 and handed over to Division on 27/02/2008.</p> <p>Gauge conversion of Villupuram - Mayiladuthurai (122 kms.) section executed by RVNL. All works completed and section opened for passenger traffic on 23/04/2010. Section dedicated to nation on 10/05/2010 by Shri G.K.Vasan, Hon'ble Union Minister in the presence of other distinguished guests.</p>
5.	Cuddalore - Salem via Vriddhachalam - Gauge Conversion (191 kms.) (RVNL Project) (PB No.15)	55,700	1999 - 2000	2007	26,666	93%	<p>Status of the estimate: Part detailed estimate for Cuddalore - Vriddhachalam section was sanctioned by Railway Board for Rs. 74.01 crores on 30/10/2001.</p> <p>Part detailed estimate for Vriddhachalam-Salem section was sanctioned by Railway Board for Rs. 187.09 crores on 06/01/2004.</p> <p>Vriddhachalam - Vadalur (27 kms.) was opened for traffic on 06/01/2003.</p> <p>Vadalur - Cuddalore Port Junction (30 Kms.) was opened for Passenger traffic on 29/12/2003. The section between Salem and Attur has been executed by RVNL.</p>

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2014 (Rs. in Lakhs)	P P Remarks
Gauge Conversion—Contd.						
6.	Tiruchchirappalli - Manamadurai - Gauge Conversion (150 Kms.) (PB No.16).	41,000	2000 - 01	2008	39,422	<p>The full length of project between CUPJ and SA has been brought under the category of "RVNL Project". As authorised by RVNL, works have been taken up by Southern Railway between VRI-Attur (83.02kms.).</p> <p>Vriddhachalam - Salem section (134 kms.) is opened for passenger traffic on 18/11/2007. Material modification estimate for providing new BG line between Chinnasalem and Kallakurichi was sanctioned by Railway Board for Rs. 37.13 crores on 19/01/2006. The State Government has agreed to share 50% of cost <i>vide</i> letter (MS) No.51 dated 21/02/2007. Survey completed and the proposed alignment submitted along with LP schedule. The requisition for land acquisition has been given to State Government. Tenders will be called for physical execution of works, after getting the land.</p> <p>Status of the estimate: Detailed estimate sanctioned for Rs. 187.91 crores. by Railway Board on 22/05/2002. Material modification estimate for Transshipment and coach maintenance facilities at Tiruvarur, Villupuram, Mayiladuturai and Golden Rock at a cost of Rs. 14.41 crores was sanctioned by Board <i>vide</i> letter No.2002/W1/GC/SR/1 dated 22/12/2005.</p> <p>The section between Tiruchchirappalli and Pudukottai (53 kms.) was opened for passenger traffic on 5/01/2007 and the section between Pudukottai and Karaikkudi also completed and opened for passenger traffic on 19/05/2007. KKDI - MNM section was inaugurated on 02/07/2008 for passenger traffic and handed over to Open line on 19/03/2010. Residual works completed.</p>
7.	Villupuram - Katpadi - Gauge Conversion (161 Kms.) (PB No.17).	78,000	2000 - 01	2011	63,299	<p>Detailed estimate has been sanctioned <i>vide</i> Board's letter No. 2002/W1/GC/S/2 dated 21/6/04 for Rs. 231.72 Crores.</p> <p>An estimate amounting to Rs.3.97 crores for Electrification of Katpadi - Vellore Contonement section (10kms.) is sanctioned by Railway Board as material modification to the work of GC of</p>

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2014 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Contd.							
							<p>Tirupathi - Pakkala - Katpadi section vide letter No.92/W-2/GC/SC/20Vol - II dated 19/01/2006. MG section traffic closed on 01/06/2007.</p> <p>Work completed between Katpadi & Vellore (11 kms.) section with electrification and opened for passenger traffic on 10/11/2008 and handed over to Open line on 05/03/2009.</p> <p>Works completed in Vellore - Tiruvannamalai - Villupuram (150 kms.) section and CRS has given authorisation vide letter dt.15/03/2011 for Passenger Traffic with speed of 50 km/hr. Accordingly, first train No.16780 from Madurai to Tirupathi passed the section on 31/03/2011.</p> <p>Existing speed for Villupuram-Vellore Cantonment Gauge Converted section has been increased to 80 kmph vide CRS letter dt.19/06/2013 and the section handed over to OL on 09/08/2013.</p>
8.	Manamadurai - Virudunagar - Gauge Conversion (66.55 Kms.) (PB No.18).	23,200	2006-07	2013	19,898	98%	<p>Estimate sanctioned for Rs.138.03 crores vide Railway Board No.2000/W-1/GC/S/1 dated 31/12/2007.</p> <p>All works completed and engine rolled on 31/3/2011.</p> <p>Project has been inspected by CRS on 20th & 21st on June 2013 & given authorisation on 28/06/2013 @ 80 kmph. Section commissioned for passenger traffic on 14/07/2013. Section handed over to Open Line Department on 03/01/2014.</p>
9.	Dindigul - Pollachi - Palaghat & Pollachi - Coimbatore - Gauge Conversion (224.88 Kms.) (PB No.19)	91,500	2006-07		74,456	74%	<p>Work included in the budget 2006-07 at a cost of Rs.343.17 crores. Part detailed estimate for the section between Podanur and Coimbatore sanctioned by Railway Board for Rs.28.72 crores vide Railway Board letter No. 97/W1/LCT/S/3 dated 17/10/2007. Detailed estimate for the remaining portion for Rs. 529.03 crores also sanctioned vide Railway Board letter No. 97/W1/LCT/S/3/1 dated 26/02/2008. Revised estimate is under finalisation & will be submitted to Board shortly.</p> <p>The MG train service from Pollachi to Palghat has been suspended from 15/12/2008 and Dindigul - Pollachi - Podanur has also been suspended from 26/05/09. Contracts for almost all the works finalised and works are in progress.</p>

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2014 (Rs. in Lakhs)	Pr Pr	Remarks
Gauge Conversion—Contd.							
10.	Mayiladuturai -Thiruvavur- Karaikkudi and Tiruturaipundi - Agastiyampalli (223.69 kms.) & restoration of Nidamangalam - Mannargudi line (13.25 kms.), Mannargudi - Pattukkottai (41.00 kms.) & Thanjavur-Pattukkottai (47.20 kms.) Total = 325.14 kms. (PB No.20).	138,300	2007-08		39,653		<p>Status of estimate: Work included in the budget 2007-08 at a cost of ₹ 404.19 crores. Part detailed estimate for Mayiladuthurai-Thiruvavur (38 Kms.) was sanctioned by Railway Board on 08/05/2008 for Rs. 136.77 crores. Railway Board have included the restoration of Nidamangalam - Mannargudi line (13.25 Kms.) as material modification in 2010-11 Pink Book vide Item No.12. Detailed estimate for Nidamangalam-Mannargudi restoration line sanctioned by Board at a cost of Rs. 62.17 crores. Part detailed estimate for Thiruvavur - Tiruturaipundi - Karaikkudi and Tiruturaipundi - Agastiyampalli for Rs. 506.72 crores sanctioned by Board vide letter dt.12/09/2011. Revised estimate under finalisation.</p> <p>Subsequently, one more new line from Mannargudi to Pattukkottai (41 Kms.) has been approved as Material modification vide Railway Board's letter No.2006/W-1/GC/SR/MKA/PM dated 10/09/2010 at a cost of ₹ 215.59 Cr.</p> <p>One part detailed estimate for major bridges for a value Rs.19 cr. of Mannargudi - Pattukkottai section has been sanctioned by Board.</p> <p>Railway Board have included a New line between Thanjavur & Pattukkottai (47.2 kms.) at a cost of Rs. 290.05 cr. as material modification in PB 2012-13.</p> <p>Sections Opened: Nidamangalam-Mannargudi section has been authorised by CRS for running Passenger services and passenger traffic commissioned on 27/09/2011. Mayiladuturai - Thiruvavur MG section was closed on 08/06/2009. All works completed and engine rolling done on 20/12/2011. Crs. inspected the section on 22/03/2012 and authorised for passenger traffic @ 80 km/hr. on 26/03/2012. Goods services commissioned on 06/04/2012. Passenger traffic commenced from 15/07/2012.</p>

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2014 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Contd.							
							<p>Sections in progress:</p> <p>Thiruvavar - Tiruturaipundi - Pattukkottai: (76 kms.) - Thiruvavar - Pattukkottai MG traffic closed on 19/10/2012. Tender called for Earthwork & blanketting.</p> <p>Pattukkottai - Karaikkudi (73.26 kms.) - MG Section closed for traffic on 15/03/2012. Works are in progress in earthwork, major & minor bridges. Tender for blanketting is under finalisation.</p> <p>Tiruturaipundi - Agastiyampalli (37 kms.) - Works are in progress in LUS & minor bridges. Tenders yet to be called for other items.</p> <p>Mannargudi to Pattukkottai New line (41 Kms.): FLS tender has been awarded and work is in progress. FLS is affected by local disturbances. Land requirement for complete length furnished to District Collectors in June 2012. 4 (1) not issued. Tender awarded for Pamaniyar river & work is in progress. Tender called for 4 more major bridges.</p> <p>New line between Thanjavur and Pattukkottai (47.2 kms.) has been sanctioned in 2012. Final location survey tenders opened on 26/02/2013 and LOA issued on 17/05/2013. Subsoil investigation tender opened on 05/03/2013 & LOA issued on 29/05/2013. Sub soil investigation & FLS works are in progress. The above two works are stopped due to resistance by local people. New line alignment under finalisation.</p>
11.	Madurai - Bodinayakanur (90.41 kms.) (PB No.21).	45,000	2008-09		1,239	1%	<p>Work included in Pink Book in the year 2008-09 at a cost of Rs.164.41 crores. Railway Board have sanctioned part estimate for ₹ 15.00 crores vide Railway Board letter No.2005/W1/NL/SR/1 dated 24/02/2009. As per Board's direction, estimate has been recast for an amount of Rs. 302.90 and sent to Board for sanction vide letter No.W.193/XXII/25 dt.14/02/2014.</p> <p>MG traffic closed with effect from 01/01/2011. Contract awarded for major bridge No.154, 126 & 135 and work commenced. Tender for other major bridges Nos.43, 54 & 163 is being called for. Budget grant is a constraint.</p>

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2014 (Rs. in Lakhs)	Remarks
Gauge Conversion—Contd.						
12.	Chennai Beach - Tambaram - Chengalpattu Suburban Gauge Conversion (60 kms.) (Under MTP Plan Head) (PB No.MTP-3).	52,000	1998 - 99	2004	46,130	<p>This Gauge Conversion work is executed on cost sharing basis and 50% of the cost is shared by Government of Tamil Nadu. This project is executed in stages as below. MG main line between Chennai Egmore and Tambaram is converted and commissioned for BG passenger traffic on 03-03-2001. Two MG lines from Chennai Beach to Chennai Egmore have been converted into Broad Gauge and opened for passenger traffic in February 2003. The gauge Conversion of B line between Tambaram-Chengalpattu (30 Kms.) has been completed and opened for traffic in Nov. 03. Gauge Conversion works between Chennai Egmore and Tambaram have been completed and opened for traffic on 01/11/2004.</p> <p>1. Provision of 14 ROB/RUBs in lieu of existing level crossings is also part of the project so as to eliminate all the level crossings in the Chennai Beach - Tambaram section. The progress of individual ROB/RUB is as follows:</p> <p>i) Harrington RUB - completed and commissioned.</p> <p>ii) Rangarajapuram ROB @ LC No.7 split ROB , First leg completed and commissioned on 07/09/2011. and second leg completed & commissioned on 05/10/2012.</p> <p>iii) Rangarajapuram RUB - Box pushing completed. Approach work is in progress by Chennai Corporation.</p> <p>iv) Jones Road RUB - Work completed and commissioned on 11/12/2009.</p> <p>v) Maduvangarai ROB - work completed and commissioned.</p> <p>vi) Jain College RUB - Work completed and commissioned on 06/01/2010.</p> <p>vii) Trisulam ROB - Approach GAD under revision by High ways.</p> <p>viii) Pallavaram ROB (Goods shed Road) - Work completed & commissioned on 09/10/2012.</p> <p>ix) Pallavaram RUB - Work completed and commissioned.</p> <p>x) Dharga Road RUB - Railway works completed and commissioned on 25/02/2011.</p> <p>xi) Vaishnava College ROB - Work completed and commissioned. on 29/10/2010.</p>

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2014 (Rs. in Lakhs)	Physical Progress (%)	Remarks
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Gauge Conversion—Contd.

- xii) Radha Nagar RUB -Box pushing work completed. Highways department yet to commence the approach work.
- xiii) Tambaram Sanatorium ROB -Work completed and commissioned on 15/08/2010.
- xiv) Tambaram - Velachery Road ROB - Work completed and commissioned on 17/08/2011.

2. Cost of the Gauge Conversion is about Rs.370 crores and cost of the 14 ROB/RUBs is about Rs.150 crores, totalling Rs.520 crores.

3 (a) The BG link between Chennai Egmore and Chennai Central at a cost of ₹ 90.44 crores (approx.) has been sanctioned as Material modification to the suburban Gauge Conversion project. Final location survey for fixing the alignment has been completed and approval of various yard plans and clearance of Government of Tamil Nadu have been sought to commence the work.

(b) CSO/MAS has sought guidance of Board(Adviser/ Safety) on certain operational issues due to infringing gradient, vide letter No.T.143/MAS/MS/ Elevated Line dated 16/07/2004. Board were appraised vide CAO/ CN/MS letter No.W/337/1/122/CN/ Vol.III dated 21/02/2005. Reply from Railway Board in this connection is still awaited.

(c) GM/MAS vide his DO letter No.GM/2005/RB dated 28/04/ 2005 addressed to CRB, has recommended for dropping of this work of BG link between Chennai Central and Chennai Egmore.

(d) Railway Board vide their letter No.99/Proj/MAS/2/3 dated 30/08/2005 have asked to get the technical feasibility of connection studied through RITES. A consultancy contract has been awarded to RITES for the same vide Railway letter No. W.193/ XXII/17/CN dt 23/12/05.

(e) Draft report submitted by RITES has been circulated to operating, S & T, Mech & Safety departments of SR for their remarks.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2014 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Concl'd.							
<p>g) RITES has been advised to interact with State Govt. agencies like PWD, CMDA & Corporation of Chennai regarding proposed alignment and layout of MAS - MS G link.</p> <p>h) The State Govt. advised that this project is not feasible in view of the Metro Rail Project crossing through Poonamalli High Road.</p> <p>i) RITES submitted their final report. However State Govt. have not cleared the proposal and in lieu of this, the proposal is dropped and Railway Board was advised vide this office letter No. W.193/XXII/17/CN dated 10/05/2007.</p>							
3.0 Doubling							
1.	Omalur - Mettur Dam - doubling with electrification (29.03 kms.) (PB No.23).	23,400	2011-12		17		<p>Detailed Estimate at a cost of ₹187.26 crs. has been sanctioned by Board vide Ir. No. 2013/W1/DL/SR/OM dt.10/10/2013. Doubling of track between Magnesite (Salem) - Omalur (11.00 kms.) has been included as a material modification to the above project. Detailed estimate for Rs. 61.74 sent to Board vide this office letter No.W.193/III/18/CN/CN dt.08/07/2013.</p> <p>The land acquisition (LPS) for 14 villages(29.428 Ha) has been submitted to District Collector, Salem on 06/06/2013. Tender schedule for various works are under process. Working plan & working section are being finalised. The Major bridge GAD's submitted for approval.</p> <p>The tenders for the Engineering works have been called for a value of 43.04 cr and tender opened on 24/12/2013 & under finalisation.</p>
2.	Irugur - Coimbatore Doubling (17.70 kms.) (PB No.24).	12,000	1996 - 97	2010	9,593		<p>Detailed estimate sanctioned by Railway Board for ₹ 38.66 crores.</p> <p>The up line between Coimbatore and Coimbatore North (2.7 kms) has been completed and opened for traffic. (14/02/004) . In the remaining stretch also, all the works completed including final NI working in station yard. CRS has conducted statutory inspection of Irugur - Coimbatore section (18 Kms.) on 05/06/2010 and issued authorisation for opening of the project for public carriage. NI working at Pilamedu, Irugur yard has been completed and the section commissioned on 20/08/2010. Section is taken over by Open line on 01/03/2011.</p>

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2014 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Doubling—Contd.							
3.	Attippattu - Korukkupet Third line (18 Kms.) (RVNL Funded Project, being executed by S.RLY) (PB No.26).	15,500	1999 - 2000	2012	15,234	83%	<p>Status of the estimate: The detailed estimate for Attippattu - Korukkupet 3rd line was sanctioned by Railway Board for Rs.70.56 crores on 17/10/2002.</p> <p>For Korukkupet - Ennore (12 kms.) the line is opened to traffic on 09/03/09 and handed over to open line on 09/09/2009.</p> <p>For Ennore to Attippattu (6 kms.) work completed. Opening documents submitted to CRS for sanction.</p>
4.	Chennai Beach - Korukkupet III line (4.1 kms.) (PB No.27).	14,000	2003 - 04		113	0%	<p>This work was originally allotted to RVNL for execution. Railway Board vide their letter No. 2005/W1/RVNL/13 dated 07/04/2006 have advised Southern Railway to take up the execution. Action has been taken accordingly. Original detailed estimate at a cost of Rs. 85.70 crores has been sent to Board on 03/08/2007 for sanction. As per Board's observations, revised detailed estimate for an amount of Rs.141.87 crores sent to Railway Board vide this office letter No.W.193/III/20/CN dated 08/01/2013 for sanction. Board vide letter NO.2007/W-I/DL/SR/CK dt.22/01/2014 approved at a cost of Rs.141.87 cr.</p> <p>Large extent of land has to be acquired from Chennai Port Trust for laying third and fourth line between Chennai Beach and Korukkupet (4 kms.). This is under process by Open line. Railway Board has approved the proposal of land exchange between Chennai Port Trust and Southern Railway vide letter No.2007/W-I/DL/SR/CA/1 dt.22/04/2009. As the detailed estimate is sanctioned recently, new building for printing press is under process and existing building will be dismantled and land will be handed over to the port trust. After this, the port land will be taken over and then only third line project can be commenced.</p>

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2014 (Rs. in Lakhs)	P P	Remarks
Doubling—Contd.							
5.	Chennai Beach - Attippattu 4th Line (22.1 Kms.) (PB No.31).	12,000	2003-04		3,656		<p>This work was originally allotted to RVNL for execution. Railway Board vide their letter No. 2005/W1/RVNL/13 dated 07/04/2006 have advised Southern Railway to take up the execution. Action has been taken accordingly. Original detailed estimate for ₹ 102.42 crores sent to Board vide letter No.W.193/III/19/CN dated 16/10/2007 for sanction. Meanwhile, GM has instructed to delete the works which were not planned originally in the final location survey report in order to reduce the cost and to process for GM's sanction. Accordingly, the detailed estimate has been revised to ₹ 96.14 cr. and GM/MAS has accorded sanction (since the value is less than Rs.100 cr.) on 23/02/2011. Works are completed between Attippattu & Ennore and in progress between Ennore & Korukkupet. Works could not be started between Korukkupet & Chennai Beach as Detailed Estimate for 3rd line has been sanctioned by Board only in January 2014.</p> <p>Section's progress:</p> <p>Korukkupet - Attippattu section: Ennore - Attippattu (6 kms.) is completed as targeted and NI has been completed. Opening documents submitted for CRS inspection.</p> <p>Chennai Beach-Korukkupet section (4.1 km): Non-targeted</p> <p>4th line work is linked with 3rd line work for which detailed estimate is sanctioned only in January 2014 by Board. Land for 3rd & 4th line from Chennai Port Trust has to be obtained after exchanging land near Railway printing press, Royapuram, after completion of store & office building. 2 ROBs - 3R & 4R require rebuilding. Tender called for 3R bridge & opened on 22/01/2014 and under finalisation. Corporation permission received during last month i.e., March 2014. Tender for EW, Minor br. & Track works (Reach 1 between Chennai Beach & Royapuram) under finalisation. Tender for earthwork and minor bridges for Reach II called recently. Land from Stanely hospital for 0.7 Ha. is to be acquired. Land Plan</p>

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2014 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Doubling—Contd.							
6.	Madurai - Dindigul (62.05 kms.) (PB No.32).	26,200	2003 - 04	2009	22,507	100%	<p>Schedule given. Administrative sanction for land not issued. Agency fixed for construction of store & office building for printing press at Royapuram. Construction time - 2 years after land is received.</p> <p>Board have sanctioned the detailed estimate at a cost of Rs. 128.56 crores vide Railway Board letter No.2003/W1/SR/GC/Madurai-Dindigul dated 28/08/2006.</p> <p>The section between Dindigul and Kodaikkanal Road (22 kms.) completed and opened for traffic on 30/09/08. Section handed over to Open Line on 14/09/2009. The section between Kodaikkanal Road and Madurai (40.05 kms.) completed and commissioned on 29/07/2009. Section handed over to Open Line on 12/02/2010.</p> <p>The final stage of Madurai yard and Dindigul yard modifications are planned for completion during 2014-15.</p>
7.	Chengalpattu - Villupuram doubling (103 kms.) - with new Material Modification for Tambaram - Chengalpattu - 3rd line by GC of existing MG line alongwith electrification (30 km). (PB No.36).	95,100	Supp. Demands for grants 2006-07		54,050	71%	<p>Detailed estimate for Rs. 369.41 crores sanctioned by Railway Board vide letter No.2000/W-1/GC/SR/CGL-VM dated 08/04/2008.</p> <p>◆ About 26 hectares of land to be acquired by Tamilnadu state Government and handed over to Railways.</p> <p>◆ Difficulties in getting earth quarry permits affect earthwork badly, even after 6 months permit not issued.</p> <p>◆ Major 3 reaches by M/s. MAYTAS badly delayed due to major bridges slow progress, now picked up.</p> <p><u>Special Note:</u></p> <p>1. As individual block sections are ready in a scattered way, commissioning is planned from Villupuram end. Villupuram to Perani has already been commissioned apart from Melmaruvathur-Madurantakam.</p> <p>2. Perani-Tindivanam is planned for CRS inspection shortly.</p> <p>3. After this, Madurantakam-Karunguzhi which is 80% ready will be taken up for commissioning. Chengalpattu-Ottivakkam which is also 80% ready will be planned to subject</p>

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2014 (Rs. in Lakhs)	Phys Progi (%)	Remarks
Doubling—Contd.							
8.	Villupuram- Dindigul (with Electrification. 273 Kms.) (PB No.39) [RVNL project].	128,100	2008-09		84	0	availability of speed restriction d NI for Ottivakkam yard. engalpattu-Karunguzhi will be ken up for commissioning by umber 2014. On all other sections, target is ely to go in the next year due to ilure of major Agency i.e., AYAS-CTR (JV) and one of the icking Agency followed by court ase. Arrangements are made ow partially and the works are oing to starts shortly.
9.	Tiruvallur-Arakkonam 4th line(26.83 Kms.) (PB No.40) [RVNL project].	14,900	2008-09		3,783		Work included in the Budget 2008-09. FLS completed and etailed estimate prepared at a ost of about Rs. 1,258.60 cr. and ent to RVNL for further rocessing and execution of the rojects. 151 Hec. of land to be cquired and handed over by amilnadu State Government.
10.	Thanjavur - Ponmalai - Doubling (46.96 km) with bye-pass line before Ponmalai (1.13 kms.) (PB No.42).	49,000	Supp. Demand of 2011-12		2,960	3	Work included in the Budget 2011-12 as supplementary demand. FLS tender finalised and LOA issued on 12/09/2012. Detailed estimate for Bypass line before Ponmalai and for Main estimate Doubling for Rs. 434.62 cr. have been sent to Board vide this office letter No.W.193/T/2/CN dt.22/04/ 2013. Board vide letter No.2009/ W1/D1/SR/TP dt.14/10/2013 sanctioned only the detailed estimate for Bypass line for a value of Rs. 23.36 cr. & main estimate yet to be sanctioned. The project is handed over to RVNL recently vide Board letter No.2004/W-1/RVNL/31 dt.31/12/ 2013. Detailed estimate handed over. Earth work for forming bank 30000 cum completed & formation ready.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2014 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Doubling—Concl'd.							
							Minor bridges 3 Nos. completed. Transportation of P.way materials, sleepers, 3200 track sleepers and 10 sets of Points & crossings collection. P.way fittings arrived.
							8000 cum of ballast collected and dumping in progress.
							Construction of S&T building, roof slab at Manjattidal and at Tiruchchirappalli town end completed. Finishing works in progress.
MTP WORKS							
1.	MRTS - Phase - I : Chennai Beach To Tirumailai (PB No.MTP-1).	30,600	1983-84	1997	28,395	100%	The Project has been completed and commissioned in Oct. 1997. Construction of a new Station building (Mundakakkanni Amman Koil Station) was sanctioned as material modification at a total cost of Rs. 8.98 Crores. Works completed. CRS sanction received. Approval of State Government has been received for name of the Station (Mundakakkanni Amman Koil station). Station code also received (MKAK). Commissioning to be done shortly.
2.	MRTS - Phase - II - Tirumailai To Velacheri (11 Kms.) (PB No.MTP-2).	95,000	1996-97	2004	87,221	98%	Status of Estimate : Sanctioned at Rs. 733.39 crores including modification for provision of ballastless track at a cost of Rs. 14.41 crores between Tirumailai and Tharamani and Construction of elevated structure between Tharamani and Perungudi (Kms. 16.790 to 17.441) at a cost of Rs. 12.63 crores and between Perungudi & Velachery (kms. 18.00 - 18.85) at a cost of Rs. 15.31 crores. Revised estimate at a cost of Rs. 875.58 crores has been sanctioned by Railway Board vide letter No.96/Project/MAS/9/1/Vol.II dt.21/07/2010. Once again estimate has been revised for Rs. 909.41 cr. & sent to Board vide letter No.MTP/W/Ph-II/Vol.VI dt.07/05/2013. Revised estimate sanctioned for 906.62 cr. vide Railway Board letter No.96/PROJ/MAS/9/1/Vol.II(Est) dt.26/03/2014.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2014 (Rs. in Lakhs)	Remarks
MTP WORKS—Concl'd.						Section opened for Passenger traffic on 19/11/2007.
3.	MRTS - Phase - II - Extension From Velacherry To St. Thomas Mount (5 Kms.) (PB No.mtp-4).	49,600	2006-07		26,713	<p>Velachery Car shed works are in Progress. In respect of station buildings, finishing works are in progress in Mandaveli, Kasturba Nagar, Indira nagar, Tiruvanmiyur, Taramani & Velachery stations. Parallel road from Kasthurba Nagar to Tiruvanmiyur and Taramani to Velachery has been handed over to Corporation of Chennai for further completion. Estimate for the same is awaited from Corporation of Chennai. One subway is in progress. Target for these works is 30/09/2014.</p> <p>New work included in the Budget 2006-07. Initial survey completed. Status of the Estimate: Sanctioned for Rs.495.74 crores vide Railway Board letter No. 2001/Prog/MAS/9/2/Vol.I dated 15/11/2007. Contracts have been awarded for substructure and superstructure works for section from Velachery to Aadambakkam for a distance of 3.5 kms. in three reaches and works are in progress. For balance 1.5 kms., land acquisition is yet to be done by State Government. Contracts for structural/ architectural drawing for station building awarded and the same is in progress. Tender for construction of two station buildings (Puzhuthivakkam & Aadambakkam) recalled after contractors failed. LOA has been issued for Puzhuthivakkam Station. Platform structure up to roof level is in progress. Tender for Aadambakkam station under processing.</p> <p>The work is in progress for the 4 kms. length from Velachery end. Land for Puzhuthivakkam station has not been handed over. Land for the balance alignment (stand alone section) to connect to St. Thomas Mount station is yet to be acquired.. Residents filed cases and presently stay exists and Tamilnadu Govt. has been urged to hand over the land.</p>

6. Remodelling and construction of yard**(A) Works Completed**

Sl. No.	Division	Station	Name of work	Estimate cost Rs. in lakhs
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(i) Works costing more than ₹ 5 lakhs each—

1. MAS	Nil			
2. SA	Nil			
3. PGT			Provision of rake unloadign facility for the BCM Wagons.	113.16
4. TVC	Nil			
5. TPJ			TPJ Jn - Provision of one shunting neck at PDKT end of the yard.	49.65
6. MDU			TEN-TSI Yard.	29.00
7. CE/CN/ERS	Nil			
8. CE/CN/MS			(Part fo CGL - VM GC Project) I & II/TBM - TMV, MTL, KGZ, MMK, PTM, PCLM & KSGL.	1800.00
			PTT yard	500.00
			SRR yard	300.00
9. MTP	Nil			..

(ii) Works costing less than ₹ 5 lakhs each—

1. MAS	Nil			..
2. SA	Nil			..
3. PGT	Nil			..
4. TVC	Nil			..
5. TPJ	Nil			..
6. MDU	Nil			..
7. CE/CN/ERS	Nil			..
8. CE/CN/MS	Nil			..
9. MTP	Nil			..

(B) Works in progress**(i) Works costing more than ₹ 5 lakhs each—**

1. MAS	Nil			
2. SA	Nil			
3. PGT			TUA - Proposed full rake unloading fcility at TUA station in SRR-MAQ section.	425.86
4. TVC			Provision of three line crossing station between Valliyur - Aralvaymoli (North Panankudi)	702.94
			Nagercoil Jn. - One single face platform, one stabling line and simultaneous despatch & reception facilities from Trivandrum side.	1016.84
			Kanniyakumari - Proposed additional platform and extension of platform.	398.68
5. TPJ	Nil			
6. MDU			DGM Yard - Re-modelling.	300.00
			SCT yard Re-modelling.	500.00
			MDU yard Re-modelling.	200.00
7. CE/CN/ERS	Nil			
8. CE/CN/MS	SA			77.00
			MDU Yard	600.00
9. MTP	Nil			

ii) Works costing less than ₹ 5 lakhs each—

1. MAS	Nil			..
2. SA	Nil			..
3. PGT	Nil			..
4. TVC	Nil			..
5. TPJ	Nil			..
6. MDU	Nil			..
7. CE/CN/MS	Nil			..
8. CE/CN/ERS	Nil			..
9. MTP	Nil			..

7. Line Capacity Work

Sl. No.	Division	Station	Name of work	Estimate cost Rs. in Lakhs
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I. Provision of New loops**(A) Works completed****(i) Works costing more than ₹ 5 lakhs**

1. MAS	..	Nil	..
2. SA	..	Nil	..
3. PGT	..	Nil	..
4. TVC	..	Nil	..
5. TPJ	..	Nil	..
6. MDU	..	Nil	..
7. CE/CN/ERS	..		..
8. CE/CN/MS		Nil	..
9. MTP	..	Nil	..

(ii) Works costing less than ₹ 5 lakhs

1. MAS	..	Nil	..
2. SA	..	Nil	..
3. PGT	..	Nil	..
4. TVC	..	Nil	..
5. TPJ	..	Nil	..
6. MDU	..	Nil	..
7. CE/CN/ERS	..	Nil	..
8. CE/CN/MS	..	Nil	..
9. MTP	..	Nil	..

(B) Works in progress**(i) Works costing more than Rs. 5 lakhs**

1. MAS	..	Nil	..
2. SA	..	Nil	..
3. PGT	..	Nil	..
4. TVC	..	Nil	..
5. TPJ	..	Nil	..
6. MDU	..	Nil	..
7. CE/CN/ERS	..	Nil	..
8. CE/CN/MS	..	Nil	..
9. MTP	..	Nil	..

(ii) Works costing less than Rs. 5 lakhs

1. MAS	..	Nil	..
2. SA	..	Nil	..
3. PGT	..	Nil	..
4. TVC	..	Nil	..
5. TPJ	..	Nil	..
6. MDU	..	Nil	..
7. CE/CN/ERS	..	Nil	..
8. CE/CN/MS	..	Nil	..
9. MTP	..	Nil	..

II. Extension of Loops**(A) Works completed****(i) Works costing more than ₹ 5 lakhs**

1. MAS	..	Nil	..
2. SA	..	Nil	..
3. PGT	..	Nil	..
4. TVC	..	Nil	..
5. TPJ	..	Nil	..
6. MDU	..	Nil	..
7. CE/CN/ERS	..	Nil	..
8. CE/CN/MS	..	Nil	..
9. MTP	..	Nil	..

Sl. No.	Division	Station	Name of work	Estimate cost Rs. in lakhs
(ii) Works costing less than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	SA	..	Nil	..
3.	PGT	..	Nil	..
4.	TVC	..	Nil	..
5.	TPJ	..	Nil	..
6.	MDU	..	Nil	..
7.	CE/CN/ERS	..	Nil	..
8.	CE/CN/MS	..	Nil	..
9.	MTP	..	Nil	..

(B). Works in Progress**(i) Works costing more than ₹ 5 lakhs**

1.	MAS	..	Nil	..
2.	SA	..	Nil	..
3.	PGT	..	Nil	..
4.	TVC	..	Nil	..
5.	TPJ	..	Nil	..
6.	MDU	..	Nil	..
7.	CE/CN/ERS	..	Nil	..
8.	CE/CN/MS	..	Nil	..
9.	MTP	..	Nil	..

(ii) Works costing less than ₹ 5 lakhs

1.	MAS	..	Nil	..
2.	SA	..	Nil	..
3.	PGT	..	Nil	..
4.	TVC	..	Nil	..
5.	TPJ	..	Nil	..
6.	MDU	..	Nil	..
7.	CE/CN/ERS	..	Nil	..
8.	CE/CN/MS	..	Nil	..
9.	MTP	..	Nil	..

III. Provision of Crossing Station**(A) Works Completed****(i) Works costing more than ₹ 5 lakhs**

1.	MAS	..	Nil	..
2.	SA	..	Nil	..
3.	PGT	..	Nil	..
4.	TVC	..	Nil	..
5.	TPJ	..	Nil	..
6.	MDU	..	Nil	..
7.	CE/CN/ERS	..	Nil	..
8.	CE/CN/MS	..	Nil	..
9.	MTP	..	Nil	..

(ii) Works costing less than ₹ 5 lakhs

1.	MAS	..	Nil	..
2.	SA	..	Nil	..
3.	PGT	..	Nil	..
4.	TVC	..	Nil	..
5.	TPJ	..	Nil	..
6.	MDU	..	Nil	..
7.	CE/CN/ERS	..	Nil	..
8.	CE/CN/MS	..	Nil	..
9.	MTP	..	Nil	..

Sl. No.	Division	Station	Name of work	Estimate cost Rs. in lakhs
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(B) Works in Progress**(i) Works costing more than ₹ 5 lakhs**

1.	MAS	..	..	..
2.	SA	..	..	..
3.	PGT	..	..	..
4.	TVC	..	..	..
			- Provision of two crossing station /C-NCJ section.	617.86
			- Provision of two line sing station.	935.37

5.	TPJ	..	..	..
6.	MDU	..	..	..
7.	CE/CN/ERS	..	..	..
8.	CE/CN/MS	..	..	..
9.	MTP	..	..	..

(ii) Works costing less than ₹ 5 lakhs

1.	MAS	..	..	..
2.	SA	..	..	..
3.	PGT	..	..	..
4.	TVC	..	..	..
5.	TPJ	..	..	..
6.	MDU	..	..	..
7.	CE/CN/ERS	..	..	..
8.	CE/CN/MS	..	..	..
9.	MTP	..	..	..

IV. Conversion of**(A) Works Completed****(i) Works costing more than ₹ 5 lakhs**

1.	MAS	..	..	..
2.	SA	..	..	..
3.	PGT	..	..	..
4.	TVC	..	..	..
5.	TPJ	..	..	..
6.	MDU	..	..	..
7.	CE/CN/ERS	..	..	..
8.	CE/CN/MS	..	..	..
9.	MTP	..	..	..

(ii) Works costing less than ₹ 5 lakhs

1.	MAS	..	..	..
2.	SA	..	..	..
3.	PGT	..	..	..
4.	TVC	..	..	..
5.	TPJ	..	..	..
6.	MDU	..	..	..
7.	CE/CN/ERS	..	..	..
8.	CE/CN/MS	..	..	..
9.	MTP	..	..	..

(B) Works in progress**(i) Works costing more than ₹ 5 lakhs**

1.	MAS	..	..	..
2.	SA	..	..	..
3.	PGT	..	..	..
4.	TVC	..	..	..
5.	TPJ	..	..	..
6.	MDU	..	..	..
7.	CE/CN/ERS	..	..	..
8.	CE/CN/MS	..	..	..
9.	MTP	..	..	..

Sl. No.	Division	Station	Name of work	Estimate cost Rs. in lakhs
(ii) Works costing less than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	SA	..	Nil	..
3.	PGT	..	Nil	..
4.	TVC	..	Nil	..
5.	TPJ	..	Nil	..
6.	MDU	..	Nil	..
7.	CE/CN/ERS	..	Nil	..
8.	CE/CN/MS	..	Nil	..
9.	MTP	..	Nil	..
V. Additional Traffic Facilities				
(A) Works Completed				
(i) Works costing more than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	SA	..	Tiruppur - Conversion of roads as common loop.	98.07
3.	PGT	..	Nil	..
4.	TVC	..	Nil	..
5.	TPJ	..	Nil	..
6.	MDU	..	Nil	..
7.	CE/CN/ERS	..	Nil	..
8.	CE/CN/MS	..	Nil	..
9.	MTP	..	Nil	..
(ii) Works costing less than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	SA	..	Nil	..
3.	PGT	..	Nil	..
4.	TVC	..	Nil	..
5.	TPJ	..	Nil	..
6.	MDU	..	Nil	..
7.	CE/CN/ERS	..	Nil	..
8.	CE/CN/MS	..	Nil	..
9.	MTP	..	Nil	..
(B) Works in progress				
(i) Works costing more than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	SA	..	i. MCRD - Augmentation of good shed capacity to full rake.	49.40
		..	ii. Mayanur - Increasing the CSL of Roads 1 & 2715 m.	92.00
		..	iii. Salem Market - Augmentation of Freight Terminals.	127.35
		..	iv. Cauvery - Increasing the CSL of roads to standard length.	99.95
		..	v. PLI & KLT - Provision of sand hump.	24.48
3.	PGT	..	Nil	..
4.	TVC	..	NCJ - One single phase PF, one stabling line and simultaneous despatch and reception facilities.	1016.84
		..	CAPE - Additional PF and extension of PF.	398.68
		..	Provision of three line crossing station between Valliyur-Aralvaymoli (North Panankudi).	702.94
5.	TPJ	..	Nil	..
6.	MDU	..	Nil	..
7.	CE/CN/ERS	..	Nil	..
8.	CE/CN/MS	..	MDU Yard	600.00
9.	MTP	..	Nil	..

Sl. No.	Division	Station	Name of work	Estimate cost Rs. in lakhs
(ii) Works costing less than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	SA	..	Nil	..
3.	PGT	..	Nil	..
4.	TVC	..	Nil	..
5.	TPJ	..	Nil	..
6.	MDU	..	Nil	..
7.	CE/CN/ERS	..	Nil	..
8.	CE/CN/MS	..	Nil	..
9.	MTP	..	Nil	..
VI. Provision of Goods shed, Pit line, etc.,				
(A) Works Completed				
(i) Works costing more than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	SA	..	Nil	..
3.	PGT	..	Nil	..
4.	TVC	..	Nil	..
5.	TPJ	..	Nil	..
6.	MDU	..	Nil	..
7.	CE/CN/ERS	..	Nil	..
8.	CE/CN/MS	..	Nil	..
9.	MTP	..	Nil	..
(ii) Works costing less than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	SA	..	Nil	..
3.	PGT	..	Nil	..
4.	TVC	..	Nil	..
5.	TPJ	..	Nil	..
6.	MDU	..	Nil	..
7.	CE/CN/ERS	..	Nil	..
8.	CE/CN/MS	..	Nil	..
9.	MTP	..	Nil	..
(B) Works in Progress				
(i) Works costing more than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	SA	..	Nil	..
3.	PGT	..	Nil	..
3	PGT	..	..	..
4	TVC	..	i. CKI - Goods shed improvement and paving of unloading area.	29.65
		..	ii. OLR - Goods shed improvement and paving of unloading area.	29.65
5	TPJ	..	..	..
6	MDU	..	..	..
7	CE/CN/ERS	..	KCVL Yard Pit line.	810.00
		..	ERM oit line	1378.25
8	CE/CN/MS	..	Nil	..
9	MTP	..	Nil	..
(ii) Works costing less than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	SA	..	Nil	..
3.	PGT	..	Nil	..
4.	TVC	..	Nil	..
5.	TPJ	..	Nil	..
6.	MDU	..	Nil	..
7.	CE/CN/ERS	..	Nil	..
8.	CE/CN/MS	..	Nil	..
9.	MTP	..	Nil	..

8. Doubling of Line

(Rs. in Crores)

Sl. No.	Division	Section	Length in km.	Physical progress	Date of which the section offered		Remarks
					Goods Traffic	Passenger Traffic	

(a) New doubling sanction during the year 2013-14

1	MAS	Chennai Central Basin bridge.	4.40		-	Central Basin Bridge in 5th & 6th line.	d estimate sanctioned
2	SA	Nil					
3	PGT	Nil					
4	TVC	Nil					
5	TPJ	Nil					
6	MDU	Nil					
7	CE/CN/ERS	Nil					
8	CE/CN/MS	Villupuram - Dindigul (with electrification 273 kms. (PB No.39) (RVNL Project).		0%	VLDE-KKPM	11/07/03	included in the Budget 2008-09. Completed and detailed estimate prepared at a cost of about Rs. 8.60 Cr. and sent to RVNL for processing and execution of projects. 151 Hec. of land to be acquired and handed over by Tamil Nadu State Government.
		Tiruvallur - Arakkonam 4th line (26.83 kms) (PB No.40) (RVNL Project).		0%	..		included in the Budget 2008-09. Detailed location survey is required. Additional land for about 35 hectares is required. Land requirement has been furnished to the State Government. This work is allotted to RVNL by Railway Board's letter No.2007/R/08-09/01 dated 15/07/2008. Section between Tiruvalangadu and Arakkonam (10 Kms.) has been completed. Remaining sections in progress. Land acquired at Arakkonam village and Mosur village to an extent of 2.38 Ha. on 15/07/2013.
9	MTP	Nil					

B. Doubling in Progress

1	MAS	Nil					
2	SA	Nil					
3	PGT	Nil					
4	TVC	Nil					
5	TPJ	Nil					
6	MDU	Nil					
7	CE/CN/ERS	MNTT-KRPP	24.00	30%			
		CNGR-CGV	26.50	18%			
		AMPA-HAD	18.14	15%			
		MAJN-PNMB	19.00	14%			
8	CE/CN/MS	Omalur-Mettur Dam - Doubling with electrification. (29.03 kms.) (P. B. No. 23).		2%			Final estimate at a cost of Rs. 87.26 crs. has been sanctioned by Railway Board vide Ir.No.2013/W1/DL/SR/ dt.10/10/2013. Doubling of track between Magnesite (Salem) - Omalur (20 kms.) has been included as a serial modification to the above

8. Doubling of Line

(Rs. in Crores)

Sl. No.	Division	Section	Length in km.	Physical progress	Date of which the section offered		Remarks
					Goods Traffic	Passenger Traffic	
New doubling—Contd.							
		Chennai Beach - Korukkpet third line (4.1 kms.) (PB No.27).		0%			<p>project. Detailed estimate for Rs.61.74 sent to Board vide this office letter No.W.193/III/18/CN/CN dt.08/07/2013.</p> <p>The land acquisition (LPS) for 14 villages (29.428 Ha) has been submitted to District Collector, Salem on 06/06/2013, Tender schedule for various works are under process. Working plan & working section are being finalised. The Major bridge GAD's submitted for approval.</p> <p>The tenders for the Engineering works have been called for a value of 43.04 Cr. and tender opened on 24/12/2013 & under finalisation.</p> <p>This work was originally allotted to RVNL for execution. Railway Board vide their letter No.2005/W1/RVNL/13 dated 07/04/2006 have advised Southern Railway to take up the execution. Action has been taken accordingly. Original detailed estimate at a cost of Rs.85.70 crores has been sent to Board on 03/08/2007 for sanction. As per Board's observations, revised detailed estimate for an amount of Rs.141.87 crores sent to Railway Board vide this office letter No.W.193/III/20/CN dated 08/01/2013 for sanction. Board vide letter No.2007/W-1/DL/SR/CK dt. 22/01/2014 approved at a cost of Rs.141.87 cr.</p> <p>Large extent of land has to be acquired from Chennai Port Trust for laying third and fourth line between Chennai Beach and Korukkupet (4 Kms.). This is under process by Open line. Railway Board has approved the proposal of land exchange between Chennai Port Trust and Southern Railway vide letter No. 2007/W1/DL/SR/CA/1 dt. 22/04/2009. As the detailed estimate is sanctioned recently, new building for printing press is under process and existing building will be dismantled and land will be handed over to the Port Trust. After this, the port land will be taken over and then only third line project can be commenced.</p>
		Chennai Beach - Attipattu 4th line (22.1 Kms.) (PB No.31).		8%			<p>This work was originally allotted to RVNL for execution. Railway Board vide their letter No.2005/W1/RVNL/13 dated 07/04/2006 have advised Southern Railway to take up the execution. Action has been taken accordingly. Original detailed estimate for Rs.102.42 crores sent to Board vide letter No.W.193/III/19/CN dated 16/10/2007 for sanction. Meanwhile,</p>

8. Doubling of Line

(Rs. in Crores)

Sl. No.	Division	Section	Length in km.	Physical progress	Date of which the section offered		Remarks
					Goods Traffic	Passenger Traffic	

(a) New doubling sanction during the year 2013-14

		Chengalpattu-Villupuram doubling (103 kms.) - with now Material Modification for Tambaram - Chengalpattu - 3rd line by GC of existing MG line along with electrification (30 Kms.) (PB No.36).		71%	MLM - MLMR: 28/03/12. PER-VVN:29/12/ VVN-MYP:29/12/ MYP-VM: 17/10/ MLMR-TZD: 06/01/14		
--	--	--	--	-----	---	--	--

It has instructed to delete the works which were not planned originally in the final location survey report in order to reduce the cost and to process for M/s sanction. Accordingly, the detailed estimate has been revised Rs.96.14 cr. and GM/MAS has accorded sanction (since the value is less than Rs.100 cr) on 23/02/2011. Works are completed between Attipattu & Ennore and in progress between Ennore & Korukkupet. Works could not be started between Korukkupet & Chennai Beach as detailed estimate for 3rd line has been sanctioned by Board only in January 2014.

Korukkupet - Attipattu section : Ennore - Attipattu (6 kms.) is completed as targeted and NI has been completed. Opening documents submitted for CRS inspection. Chennai Beach - Korukkupet section (4.1 kms.): on-targeted.

4th line work is linked with 3rd line work for which detailed estimate is sanctioned only in January 2014 by Board. Land for 3rd & 4th line from Chennai Port Trust has to be obtained after exchanging land near Railway printing press, Royapuram, after completion of store & office building. ROB - 3R & 4R require rebuilding. Tender called for 3R bridge & opened on 22.01.2014 and under finalisation. Corporation permission received during last month i.e. March 2014. Tender for EW, Minor br. & Track works Reach 1 between Chennai Beach & Royapuram) under finalisation. Tender for earth work and minor bridges for Reach II called recently. Land from Stanley Hospital for 0.7 Ha. is to be acquired. Land plan Schedule given. Administrative sanction for land not issued. Agency fixed for construction of Store & Office building for Printing Press at Royapuram Construction time - 2 years after land is received.

Detailed estimate for Rs.369.41 crores sanctioned by Railway Board vide letter No.2000/W-1/GC/SR/CGL-VM dated 08/04/2008.

* About 26 hectares of land to be acquired by Tamil Nadu state Government and handed over to Railways.

* Difficulties in getting earth quarry permits affect earthwork badly, even after 6 months from permit not issued.

* Major 3 reaches by M/s. MAYTAS badly delayed due to major bridges slow progress, now picked up.

Special Note:1. As individual block sections are ready in a scattered

8. Doubling of Line

(Rs. in Crores)

Sl. No.	Division	Section	Length in km.	Physical progress	Date of which the section offered		Remarks
					Goods Traffic	Passenger Traffic	
New doubling —Contd.							
		Thanjavur - Ponmalai - Doubling (46.96 Kms.) with bye- pass line before Ponmalai (1.13 kms.) (PB No.42).		3%			<p>way, commissioning is planned from Villupuram end. Villupuram to Perani has already been commissioned apart from Melmaruvathur-Madurantakam.</p> <p>2. Perani - Tindivanam is planned for CRS inspection shortly.</p> <p>3. After this, Madurantakam-Karunguzhi which is 80% ready will be taken up for commssioning. Chengalpattu-Ottivakkam which is also 80% ready will be planned to subject to availability of speed restriction and NI for Ottivakkam yard. Chengalpattu-Karunguzhi will be taken up for commissioning by December 2014.</p> <p>4. On all other sections, target is likely to go in the next year due to failure of major Agency i.e. MAYTAS-CTR (JV) and one of the linking Agency followed by Court case. Arrangements are made now partially and the works are going to start shortly.</p> <p>Work included in the Budget 2011-12 as supplementary demand. FLS tender finalised and LOA issued on 12/09/2012. Detailed estimate for Bypass line before Ponamalai & for Main estimate Doubling for Rs.434.62 Cr. have been sent to Board vide this office letter No. W.193/T/2/CN dt. 22/04/2013. Board vide letter No.2009/W1/D1/SR/TP dt.14/10/2013 sanctioned only the detailed estimate for Bypass line for a value of Rs.23.36 cr. & main estimate yet to be sanctioned.</p> <p>The project is handed over to RVNL recently vide Board letter No.2004/W-1/RVNL/31 dt.31.12.2013. Detailed estimate handed over.</p> <p>The project is handed over to RVNL recently vide Board letter No.2004/W-1/RVNL/31 dt.31.12.2013. Detailed estimate handed over.</p> <p>Earthwork for forming bank 30000 cum completed & formation ready. Minor bridges 3 Nos. completed. Transportation of P.way materials, sleepers, 3200 track sleepers and 10 sets of Points and crossings collection. P.Way fittings arrived. 8000 cum. of ballast collected and dumping in progress.Construction of S&T building, roof slab at Manjattidal and at Tiruchchirappalli town end completed. Finishing works in progress.</p>
9	MTP	Nil	..	..	..	..	

8. Doubling of Line

(Rs. in Crores)

Sl. No.	Division	Section	Length in km.	Physical progress	Date of which the section offered		Remarks
					Goods Traffic	Passenger Traffic	
Doubling in Progress							
C. Doubling completed							
1	MAS	Nil					
2	SA	Nil					
3	PGT	Nil					
4	TVC	Nil					
5	TPJ	Nil					
6	MDU	Nil					
7	CN/CN/ERS	Panalur Edamon GC work	8.00	75%			
8	CE/CN/MS	Irugur-Coimbatore doubling. (P. B. No. 24).		100%	..	20/08/10	ed estimate sanctioned by Rail- board for Rs.38.66 crores. p line between Coimbatore and atore North (2.7 kms.) has been ated and opened for traffic. (2004) - In the remaining stretch all the works completed includ- inal NI working in station yard. has conducted statutory inspec- Irugur - Coimbatore section (18 on 05/06/2010 and issued risation for opening of the t for public carriage. NI working medu, Irugur yard has been com- and the section commissioned /08/2010. Section is taken over en line on 01/03/2011.
		Attipattu-Korukkupet 3rd line (18 kms.) (RVNL funded project being executed by S.Rly.) (PB No.26).		83%	KOK-ENR 09/03/09	KOK-ENR 09/03/09	B of the estimate: The detailed ate for Attipattu-Korukkupet 3rd was sanctioned by Railway Board Rs.70.56 crores on 17/10/2002. orukkupet - Ennore (12 Kms.) the opened to traffic on 09/03/09 handed over to open line on /2009. nnore to Attipattu (6 kms.) work leted. Opening documents sub- d to CRS for sanction.
		Madurai-Dindigul (62.05 kms.). (PB No.32)		100%	—	DG-KOK 30/09/08 KOK-MDU 29/07/09	I have sanctioned the detailed ate at a cost of Rs.128.56 crores Railway Board letter No.2003/W1/ 3C/Madurai-Dindigul dated /2006.
9	MTP	Nil	..	..	..	..	...

section between Dindigul and
ikkanal Road (22 kms.) completed
opened for traffic on 30/09/08.
on handed over to Open lien on
3/2009.

section between Kodaikkana
d and Madurai (40.05 kms.)
pleted and commissioned on
7/2009. Section handed over to
lien on 12/02/2010.

final stage of Madurai yard and
igul yard modification are planned
completion during 2014-15.

9. Siding

Estimate cost (Rs. in Lakhs)

Sl. No.	Station	Name of Work	Estimated cost in ₹ lakhs	Position as on 31/3/2013
I. Private Sidings—Works completed				
(i) Works Costing more than ₹ 5 lakhs				
1.	MAS ..	N		
2.	SA ..	N		
3.	PGT ..	N		
4.	TVC ..	N		
5.	TPJ ..	N		
6.	MDU ..	N		
7.	CN/CN/ERS ..	N		
8.	CE/CN/MS ..	N		
9.	MTP ..	N		
(ii) Works costing less than ₹ 5 lakhs				
1.	MAS ..	N		
2.	SA ..	N		
3.	PGT ..	N		
4.	TVC ..	N		
5.	TPJ ..	N		
6.	MDU ..	N		
7.	CN/MS ..	N		
8.	CE/CN/MS ..	N		
9.	MTP ..	N		
(ii) Works in progress				
(i) Works Costing more than ₹ 5 lakhs				
1.	MAS ..	N		
2.	SA ..	N		
3.	PGT ..	N		
4.	TVC ..	N		
5.	TPJ ..	N		
6.	MDU ..	N		
7.	CN/MS ..	N		
8.	CE/CN/MS ..	N		
9.	MTP ..	N		
(ii) Works Costing less than ₹ 5 lakhs				
1.	MAS ..	N		
2.	SA ..	N		
3.	PGT ..	N		
4.	TVC ..	N		
5.	TPJ ..	N		
6.	MDU ..	N		
7.	CN/MS ..	N		
8.	CE/CN/MS ..	N		
9.	MTP ..	N		
(B) Assisted siding				
Works completed				
(i) Works costing more than ₹ 5 lakhs				
1.	MAS ..	N		
2.	SA ..	N		
3.	PGT ..	N		
4.	TVC ..	N		
5.	TPJ ..	N		
6.	MDU ..	N		
7.	CN/MS ..	N		
8.	CE/CN/MS ..	N		
9.	MTP ..	N		
(ii) Works costing less than ₹ 5 lakhs				
1.	MAS ..	N		
2.	SA ..	N		
3.	PGT ..	N		
4.	TVC ..	N		
5.	TPJ ..	N		
6.	MDU ..	N		

9. Siding**Estimate cost (Rs. in Lakhs)**

Sl. No.	Station	Name of Work	Estimated cost in	Position as on 31/3/2010
7.	CN/MS ..	Nil		
8.	CE/CN/MS ..	Nil		
9.	MTP ..	Nil		
(ii) Works in progress				
(i) Works costing more than ₹ 5 lakhs				
1.	MAS ..	Nil		
2.	SA ..	Nil		
3.	PGT ..	Nil		
4.	TVC ..	Nil		
5.	TPJ ..	Nil		
6.	MDU ..	Nil		
7.	CN/MS ..	Nil		
8.	CE/CN/MS ..	Nil		
9.	MTP ..	Nil		
(ii) Works Costing less than ₹ 5 lakhs				
1.	MAS ..	Nil		
2.	SA ..	Nil		
3.	PGT ..	Nil		
4.	TVC ..	Nil		
5.	TPJ ..	Nil		
6.	MDU ..	Nil		
7.	CN/MS ..	Nil		
8.	CE/CN/MS ..	Nil		
9.	MTP ..	Nil		
C) Railway Siding				
(A) Works completed				
(i) Works costing more than ₹ 5 lakhs				
1.	MAS ..	Nil		
2.	SA ..	Nil		
3.	PGT ..	Nil		
4.	TVC ..	Nil		
5.	TPJ ..	Nil		
6.	MDU ..	Nil		
7.	CN/MS ..	Nil		
8.	CE/CN/MS ..	Nil		
9.	MTP ..	Nil		
(ii) Works costing less than ₹ 5 lakhs				
1.	MAS ..	Nil		
2.	SA ..	Morappur/FCI Siding	2.00	
3.	PGT ..	Nil		
4.	TVC ..	Nil		
5.	TPJ ..	Nil		
6.	MDU ..	Nil		
7.	CN/MS ..	Nil		
8.	CE/CN/MS ..	Nil		
9.	MTP ..	Nil		
(ii) Works in progress				
(i) Works costing more than ₹ 5 lakhs				
1.	MAS ..	Nil		
2.	SA ..	Nil		
3.	PGT ..	Nil		
4.	TVC ..	Nil		
5.	TPJ ..	Nil		
6.	MDU ..	Nil		
7.	CN/MS ..	Nil		
8.	CE/CN/MS ..	Nil		
9.	MTP ..	Nil		
(ii) Works Costing less than ₹ 5 lakhs				
1.	MAS ..	Nil		
2.	SA ..	Nil		
3.	PGT ..	Nil		
4.	TVC ..	Nil		
5.	TPJ ..	Nil		
6.	MDU ..	Nil		
7.	CN/MS ..	Nil		
8.	CE/CN/MS ..	Nil		
9.	MTP ..	Nil		

10. Strengthening of Track

ABSTRACT

Sl. No.	Division	Works Completed				Works in Progress			
		more than ₹ 5 lakhs		less than ₹ 5 lakhs		more than ₹ 5 lakhs		less than ₹ 5 lakhs	
		No. of Works	Aggregated Cost (₹ in lakhs).	No. of Works	Aggregated Cost (₹ in lakhs).	No. of Works	Aggregated Cost (₹ in lakhs).	No. of Works	Aggregated Cost (₹ in lakhs).
	All Divisions	32	3629.11	7	20.46	53	5777.29	1	0.23

Sl. No.	Division	Works Completed				Works in Progress			
		more than ₹ 5 lakhs		less than ₹ 5 lakhs		more than ₹ 5 lakhs		less than ₹ 5 lakhs	
		No. of Works	Aggregated Cost (₹ in lakhs).	No. of Works	Aggregated Cost (₹ in lakhs).	No. of Works	Aggregated Cost (₹ in lakhs).	No. of Works	Aggregated Cost (₹ in lakhs).
1	MAS	-	-	-	-	-	-	-	-
2	SA	2	80.00	-	-	3	201.42	-	-
3	PGT	5	466.25	-	-	13	1222.51	-	-
4	TVC	-	-	-	-	3	358.72	-	-
5	TPJ	24	415.86	7	20.46	34	3994.64	1	0.23
6	MDU	1	2657.00	-	-	-	-	-	-
7	CE/CN/ERS	-	-	-	-	-	-	-	-
8	CE/CN/MS	-	-	-	-	-	-	-	-
9	MTP	-	-	-	-	-	-	-	-
Total		32	3629.11	7	20.46	53	5777.29	1	0.23

11. Fencing

Sl. No.	Division/Station	Name of work	Cost of ₹ (in Thousands)
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(A) Works Completed :-

(i) Works Costing more than ₹5 lakhs :-

1. MAS	Nil	
2. SA	SE/P.Way/E/PTJ Section - Proposed rail fencing along side the road parallel to track vulnerable location in between CBF-MTP a length of 5000m.	28.74
	Proposed rail fencing along side the road parallel to track between TUP-VNJ for a length of 5000m.	28.74
	SE/P.Way/E/PTJ Section - Proposed rail fencing along side the road parallel to track vulnerable location in between VNJ-SNQ a length of 4700 m.	27.07
	SE/P.Way/E/PTJ section - Proposed rail fencing along side the road parallel to track vulnerable location in between SNO-PTJ a length of 2000 m.	11.53
	SE/P.Way/CBF section - Proposed rail fencing along side the road parallel to track vulnerable location in between CBF-MTP a length of 3370 m.	19.48
	SE/P.Way/CBF/CTR section - Proposed rail fencing along side the road parallel to track vulnerable location in between IGU-CBE a length of 3430 m.	19.89
	SE/P.Way/ONR section - Proposed rail fencing along side the road parallel to track vulnerable location in between MTP-UAM a length of 1975 m.	13.42
3. PGT	SSE/PW/AA section - Construction of boundary walls at VDKS LC & VPZ LC and compound wall to prevent encroachment to Railway colony in VNB station.	1489.00
4. TVC	ERS Diesel Shed - Compound wall to shed area 1115 m long.	9.895
5. TPJ		
6. MDU		
7. CE/CN/ERS		
8. CE/CN/MS	TMV 600 m TZD 400 m completed (1000m x 1800)	18.00
9. MTP		

Sl. No.	Division/Station	Name of work	Cost of Rs. (in lakhs)
(ii) Works Costing less than ₹ 5 lakhs :—			
1	MAS	Nil	
2	SA	Nil	
3	PGT	Nil	
4	TVC	Nil	
5	TPJ	Nil	
6	MDU	Nil	
7	CE/CN/ERS	Nil	
8	CE/CN/MS	Nil	
9	MTP	Nil	
(B) Works in Progress :—			
(i) Works Costing more than ₹ 5 lakhs each :—			
1.	MAS	Nil	
2.	SA	Construction of boundary wall at MAP, TPT & BQI.	53.86
3.	PGT	Nil	
4.	TVC	Nil	
5.	TPJ	Nil	
6.	MDU	Nil	
7.	CE/CN/ERS	Nil	
8.	CE/CN/MS	Nil	
9.	MTP	Nil	
(ii) Works Costing less than ₹ 5 lakhs :—			
1.	MAS	KOKG terminal construction of compound wall.	15,403
		Southern Railway boundary wall fencing to prevent	20.000
2.	SA	Erode - Fencing around Type-II - 48 units - bared w	ing. 0.8
		SA Divn. - Proposed safety barricades to prevent p	road 25.00
		KRR - Sub division - Repairs to existing steel fencing	by side station. 40.83
3.	PGT	Nil	
4.	TVC	NCJ - Provision of rail fencing for a length of 450m.	463.37
5.	TPJ	Nil	
6.	MDU	Nil	
7.	CE/CN/ERS	Nil	
8.	CE/CN/MS	Nil	
9.	MTP	Nil	

12. Running Shed Facilities

Sl.No.	Division	Station/ Section	Name of work	Cost of ₹ (in lakhs)
(A) Works Completed :—				
(i) Works Costing more than ₹ 5 lakhs each :—				
1.	MAS	Nil.		8.70
2.	SA	1. Erode improvements to running room.		8.50
		2. OML Improvements to running room.		
3.	PGT	Nil		
4.	TVC	NCJ - Construction of new running room.		30.00
5.	TPJ	Nil		
6.	MDU	Nil		
7.	CE/CN/ERS	Sick line shed at KCVL		230.00
8.	CE/CN/MS	Nil		
9.	MTP	Nil		

Sl.No.	Division	Station/ Section	Name of work	Cost of Rs. (in lakhs)
Works Completed :-				
(i) Works Costing less than ₹ 5 lakhs each :-				
1.	MAS	Nil		
2.	SA	Nil		
3.	PGT	Nil		
4.	TVC	Nil		
5.	TPJ	Nil		
6.	MDU	Nil		
7.	CE/CN/ERS	Nil		
8.	CE/CN/MS	Nil		
9.	MTP	Nil		
(B) Works in Progress :-				
(i) Works Costing more than ₹ 5 lakhs each :-				
1.	MAS	Nil		
2.	SA	SA - Improvements to running room.		9.00
3.	PGT	MAQ - Standard facilities for maintenance depot for AC Coach.		43.00
4.	TVC	Nil		
5.	TPJ	GOC - DSL Loco shed pitline flooring, partition, drainage arrangement and arresting of see page.		80.58
		GOC- Replacement of damaged/broken AC GC gutters with GCI sheet gutters in heavy schedule bays and light schedule bays in DSL Loco shed/GOC		5.00
		GOC - Replacing of damaged/broken North light glasses in heavy repair schedule bays in DSL Loco shed/GOC.		5.00
6.	MDU	irunelveli - Extension of running room to accommodate 15 beds and sheds for lady loco Pilots (Phase II) id.2163/07-08, CE/OL.		27.41
		iruchendur - New running room with 15 beds capacity (id.1629/10-11) CE/OL		92.83
7.	CE/CN/ERS	Nil		
8.	CE/CN/MS	Nil		
9.	MTP	Nil		
Works in Progress				
(I) Works Costing less than ₹ 5 lakhs each				
1.	MAS	Nil		
2.	SA	Nil		
3.	PGT	MAQ - Standard facilities for maintenance depot for AC Coach.		43.00
4.	TVC	Nil		
5.	TPJ	Replacement of damaged/broken rain water drain pipes with UPVC pipes of 160mm dia in heavy schedule bays and light schedule bays in DSL Loco shed/GOC.		3.49
6.	MDU	GOC-Ponmalai DSL Loco shed - Replacement of dilapidated roof sheet LR bay 7 & 8		4.98
		Improvements to Guard, Crew Rest room and front Verandah in SCT-Running.		3.56
7.	CE/CN/ERS	Nil		
8.	CE/CN/MS	Nil		
9.	MTP	Nil		

13. Provisional Improvements to offices Stores and Workshops etc.

Sl.No.	Division	Station/ Section	Name of work	Cost of Rs. (in lakhs)
A. Works Completed :-				
(i) Works Costing more than ₹ 5 lakhs each :-				
1.	MAS	Nil		
2.	SA		i) PTJ - S&T workshop - Installation of Reverse Osmosis plant.	8.00
			ii) DLS/ED proposed for repairs to the flooring on road Nos. 3, 4, 5 & 6.	9.00
			iii) PTJ - Improvements to prewiring section inside S&T workshop (Phase -II).	29.50
			iv) PTJ - Workshop - Improvements to prewiring section inside S&T/TC/PTJ area (Phase-I).	29.50
			v) S&T/W/PTJ surroundings by landscaping, improving the waste land inside the workshop by providing roads and garden (id:2128/07-08)	29.00

Sl. No.	Division/Station	Name of work	Cost of Rs. (in lakhs)	
3.	PGT	Nil		
4.	TVC	TCR - Proposed constructiun of SSE/P.Way Office.	46.98	
		AWY - Proposed construction of SSE/Signal Office.	9.32	
5.	TPJ	Nil		
6.	MDU	Nil		
7.	CE/CN/ERS	Nil		
8.	CE/CN/MS	ED - AC Loco Shed.	1274.00	
9.	MTP	Nil		
(I) Works Costing less than ₹ 5 lakhs each				
1.	MAS	Nil		
2.	SA	Nil		
3.	PGT	Nil		
4.	TVC	Nil		
5.	TPJ	GOC - Provision of metal road adjoining of CWM's off	4.50	
6.	MDU	Nil		
7.	CE/CN/ERS	Nil		
8.	CE/CN/MS	Nil		
9.	MTP	Nil		
(A) Works in Progress :-				
(i) Works Costing more than ₹ 5 lakhs each :-				
1.	MAS	Nil		
2.	SA	i) DLS/ED - Improvements to natural lighting and asb ii) DLS/ED - Construction of covered shed for BOSC iii) Erode Jn. - Reconstruciton of old, tin sheet roofed maintenance depot. iv) Mettupalayam - Basic infrastructural facilities for maintenance (Id:1000/09-10) CE/OL. v) ED/Diesel Shed - Replacing existng roofing AC s vi) S&T Workshops - PTJ - Provision of galvalume/s asbestos sheet roof of various shops at S&T work	ement. equate TL/AC oach & Loco Diesel shed. place of TJ.	17.64 18.00 29.70 156.00 50.00 50.00
3.	PGT	Proposed widening of existing rail level good unloa to Goods approach road, extension of Br.No.614 ar SSE/PW/East Office. SRR - Repairs to flooring of spring testing by overh construction of new toilet for ladies staff at IOH sh	and repairs struction of bay and	419.00 16.82
4.	TVC	Nil		
5.	TPJ	GOC Workshops - Extension of traction motor & El roof and heavy duty flooring for two station length GOLDEN ROCK - Improvements of POH facilities, e pit line, alternator testing facilities etc. (id.1006/1 GOC Central Workshops - Provision of transparer Replacement of damaged broken rain water drain 160 mm dia in various shops/CWC/GOC. Replacing of damaged/broken North light glasse TPJ Jn - Proposed Construction of modern type Divisional Office (id.1692/09-10)CE/OL.	p with covered n of AC shop with E/OL. s in CLP shop. with UPVC pipes of ious shops at CWS/GOC. les for the staff of	102.54 122.58 5.00 5.00 5.00 26.41

Sl. No.	Division/Station	Name of work	Cost of Rs. (in lakhs)
6.	MDU	Nil	
7.	CE/CN/ERS	Nil	
8.	CE/CN/MS	Nil	
9.	MTP	Nil	
(II) Works costing less than Rs. 5 lakhs each.			
1.	MAS	1) RPM - Intermediate overhauling workshop base department for Track machine. 2) Avadi - Electrical multiple unit shed Expansion of inspection shed and stabling line for 12 cars rake capacity. 3) Arakkonam - Augmentation improvement in Engineering Workshop.	0.53266 0.46989 0.56967
2.	SA	Nil	
3.	PGT	Nil	
4.	TVC	Nil	
5.	TPJ	Replacement of damaged broken rain water drain pipes with UPVC pipes of 160 mm dia in various shops/CWC/GOC.	3.86
6.	MDU	Nil	
7.	CE/CN/ERS	Nil	
8.	CE/CN/MS	Nil	
9.	MTP	Nil	

14. Flood Investigation and related subjects 2013-14

A. A Review of Vulnerable Bridges and Reaches:

a. A special organization was setup on this Railway in the year 1957 for carrying out review and rehabilitation of vulnerable bridges and reaches as well as for gauging of selected rivers and streams at various locations as per the directives of the Research Design and Standards Organization/Lucknow for evolving suitable formula to compute flood discharge in various zones.

The Divisions have been carrying out regular critical review of vulnerable bridges and reaches every year and updating the lists of such bridges and reaches.

b. After detailed review by the Divisions, during the year 2013-2014, a total of 275 Nos. have been classified as vulnerable and problematic from consideration of waterway and floods. During the year 2013-2014, Flood Organization has investigated a 19 Nos. bridges and reaches including Rebuilding, Breaches, 18 nos. of GAD clearance, 2 nos. of closure of bridges, 5 nos. of other reference received from the State Authorities, 2 sections (TVC and SA) have been studied for eliminations of vulnerable locations and 4 nos. of NOC on flood point of view and respective recommendations were communicated to the Divisions.

B. River Gauging and Survey Works :

During the monsoon of 2013-2014, 4 bridge sites were gauged in the Southern Railway as per the direction of RDSO/LKO. Hydro meteorological data were collected from the 5 bridge sites and were submitted to RDSO/LKO for further analysis.

C. State Committee of Engineers :

Southern Railway is a member in the Co-ordination committee for the safety of the Railway Bridges, track, etc., otherwise known as State Committee of Engineers' of Tamilnadu, Kerala, Puduchery, Andhra Pradesh and Karnataka.

GMR-6A

During the year 2013-14 the above meeting was held for Tamilnadu Andhra Pradesh and Karnataka on 27/08/2012, 20/05/2013 and 04/06/2013 respectively.

D. Draft manual of instruction for the Railway affecting tanks :

The Draft Manual of Instructions for Railway Affecting works prepared in 1964 by the Research Design and Standards Organisation as per the recommendation of Khosla Committee was discussed in the Committee of Engineers in various States. Based on the comments of the State Committee the uniform manual applicable for all the States was prepared by the Research Design and Standards Organisation and forwarded to the Railway Board for final approval and to initiate the legislation as recommended by Khosla Committee so that the provision in the Manual could be binding on all the concerned Departments of Central and State Governments.

The Railway Board reconsidered over the matter and in view of the topographical variation and other various local factors has directed the Zonal Railways to discuss the updated Draft Manual in the respective State Committee of Engineer's Meeting and make necessary additions and alterations as mutually agreed upon and approve the same for adopting in the concerned States.

In this connection, the Draft Manual pertaining to Tamilnadu, Andhra Pradesh, Karnataka, Union Territory of Pondicherry and Kerala have been approved by the concerned State Governments and Government Orders issued in this respect. Printed manuals pertaining to Andhra Pradesh, Karnataka and Union Territory of Pondicherry have been circulated among concerned officials. The manual pertaining to Kerala and Tamilnadu is under Printing.

E. Breaches and washaways

Details of breaches and washaways occurred during the year 2013-14 as follows :

Thiruvananthapuram Division

Section	Date	Month	Year	Location (Km./Post)	Remarks
TVC-NCJ	13	11	2013	TVC Yard	TVC yard collapsed 220/44-48 cutting wall fallen on the track.
TVC-QLN	13	11	2013	219/200-300	Upline yard and on down line Both up and down lines affected. Formation at Km.219/200-300 retaining wall collapsed.

F. List of bridges/reaches investigated category wise (2012-13)**Rebuilding**

Sl.	Division	Section	Br. No.	Km.	Exg.	Prop.
1.	MDU	MEJ-TEN	1683	14/000-100	2x4.57m. RC	4x5.0m. RCB
2.	MDU	MEJ-TEN	1684	14/700-800	1x3.66m. RC	1x3.75m. RCB
3.	MDU	MEJ-TEN	1672	7/900-8/000	3x6.10m. RC	3x6.10x2.25m. RCB
4.	SA	JTJ-ED	123 (Up & Dn)	277/700	1x1.22m. SD/RS	1x1.50x1.75m. RCB
5.	SA	JTJ-ED	132 (Dn)	283/620	2x0.76m. SD	1x2.50x1.50m. RCB
6.	PGT	SRR-MAQ	1222(up & dn)	849/400-500	3X2.24X2.3 RCB	3x2.0x2.0m. RCB
7.	MAS	AJJ-JTJ	548(dn)	189/800-900	3x3.66m. A	3x3.66x2.5m. RCB
8.	MAS	AJJ-JTJ	549(dn)	189/900-190/0	3x3.66m. A	3x3.66x2.0m. RCB
9.	MAS	AJJ-JTJ	551(dn)	191/200-300	2x4.57m. A	2x4.5x2.0m. RCB
10.	SA	SA-MTDM	4	1/20-2/1	1x0.91m. SD	1x1.5x1.5m. RCB
11.	SA	SA-MTDM	6	4/3-4	1x0.91m. SD	1x1.2x1.2m. RCB
12.	SA	JTJ-ED	195 (Dn)	304/610	2x0.76m. SD	1x2.00x1.25m. RCB
13.	SA	JTJ-ED	196 (Dn)	304/945	2x0.76m. SD	1x2.00x1.25m. RCB
14.	PGT	PTJ-SRR	686 up&dn	557/29-31	1x0.91m. A	1x1.2x1.2m. RCB
15.	PGT	PTJ-SRR	671 up&dn	554/19-21	1x0.91m. A	1x1.2x1.2m. RCB
16.	PGT	PTJ-SRR	664 up&dn	552/400-500	1x0.91m. A	1x1.2x1.2m. RCB
17.	PGT	SRR-MAQ	786 dn	588/700-800	1x1.80m. RC SI	1x1.8x2.4m. RCB
18.	PGT	SRR-MAQ	772	584/200-300	1x2.74m. A	1x2.76x3.2m. RCB
19.	MAS	AJJ-JTJ	449	151/9-12	1x0.61m. SD/1x0.	C 1x1.2x1.2m. RCB
GAD						
1.	SA	SA-MTDM	2	5/600	1x12.2mG+2x5.5f	pro exten 2x5.5 mRCB
2.	SA	SA-MTDM	15	11/900-12/000	3x12.20m G	pro exten 3x12m.20 I G
3.	SA	SA-MTDM	18	13/000-100	3x12.20m G	pro exten 3x12m.20 I G
4.	SA	SA-MTDM	34	21/700-800	1x12.2m G	pro exten as 2x6.0RCB
5.	SA	SA-MTDM	35	25/900-26/000	1x12.2m G	pro exten as 2x6.0RCB
6.	SA	SA-MTDM	50	37/200-300	1x12.2m G	pro exten as1x12.20 IG

Sl.	Division	Section	Br. No.	Km.	Exg.	Prop.
7.	PGT	HAS-MAQ	660	180/500-600	1x3.66m. RCC T Beam Slab	1x3.50 RCB Ext.
8.	MAS	MAS-AJJ	51	11/32-12/2	1x3.0m. RCB inliev of pipe	
9.	PGT	TLY-EKT	1085	735/000-200	3x18.29 G	3x18.0m. PSC I G
10.	PGT	ERN-KTYM	360	39/700-800	2x9.14m. G	2x9.14m. clear PSC Slab
11.	PGT	ERN-KTYM	367	37/200-300	2x17.7m. G	2x17.7m. clear PSC I G
12.	PGT	ERN-KTYM	433	19/600-700	2x9.14m. G	2x9.14m. clear PSC Slab
13.	MDU	MEJ-TEN	1672	7/900-8/000	3x6.1m. RC	3X6.1X2.25m. RCB
14.	MDU	MEJ-TEN	1684	14/700-800	1x3.66m. RC	1X3.75x2.25m. RCB
15.	TVC	ERS-TVC	153	90/500-600	4x12.2m. G	4x12.2m. PSC slab jacket
16.	PGT	CNGR-TRVL	151	91436.33	2x24.38m. G	2x23.20m. PSC BOX G
17.	SA	BQI-LCR	155	290/20-22	3x9.15m. G	Jacketing
18.	SA	BQI-LCR	BQI-I	291/6-8	3x9.15m. G	Jacketing

Closure

1.	SA	POY-PTJ	320	160/11-12	1x0.91m. RC	advised on 27/05/13
2.	TPJ	VM-TPJ(Ch)	208	252/100-200	1x0.61m. RP	shifted a dist of 30m as 1x1.2x1.2 RCB

Other reference

1.	MAS	MAS - GDR				Rainwater harvest-NTECL Plant
2.	MAS	MSB-TBM			2x8x1.20m. RCB	Chetpet lake fishing park
3.	TPJ	VM-TPJ(M)	628	230/200-300	3x12.09m. PSC U G	ref State committee meeting
4.	TPJ	VM-TPJ(M)	647	240/900-241/0	2x5.0m. RCB	ref State committee meeting
5.	MDU	TPJ-DG	1214	375/700-800	1x1.2x1.0m. RCB Sy	1x2.0x1.5m. RCB proposed

Vulnerable locations

1.	TVC					qurriey advised
2.	SA	VRI-MKSP	10	61/00-100	8x11.85m. psc I G	deletion from list- dn.

NOC on flood point of view

1.	PGT	SRR-MAQ	1280	884/000-100	2x0.60m. RCP	cleared on flood point
2.	MAS		67	19/500-600		cleared on flood point
3.	MAS	MSB-TBM		1/21-22		cleared on flood point
4.	PGT	CLT-MAQ	985	665/900-666/000	1x1.83m. RCB	cleared on flood point

14B-Rehabilitation of Bridges : 2013-14

Sl. No.	Name of Work	No. of Bridges where work has been completed.	No. of Bridges where work in progress.
	(a) Regirdering:	0	0
	(i) Replacement of weak/corroded girders with new girders.	2	2
	(ii) Strengthening of weak/ corroded girders	2	2
	(b) Replacement of existing girders/ timber top with RCC slab.	0	0
	(d) Repl. of exg weak/corroded girders with new girders including strengthening of sub-structure.	6	7
14.B	(e) Rebuilding of existing weak bridges	34	16
	(f) Miscellaneous bridge works including provision of centralised bearing, renewal of bed-blocks, etc.	1	0
	Total of items (a) to (f)	45	27
14.C	Extension of existing bridges	0	0
14.D	Construction of new bridges	0	0

14 E (i) Road Over Bridges and Road Under Bridges in lieu of Level Crossings-Cost Sharing Basis 2013-14 :**(a) Works completed**

(i) No. of bridges : 23 (Twenty three)

1. ROB in lieu of LC No.143 (Sulur Road yard) @ km. 468/18 - 20 in Sulur yard ED - CBE - PTJ section.
2. ROB in lieu of LC No.170 @ Km. 218/700 - 800 in between Vridhachalam - Talanallur stations in VM - TPJ section.
3. ROB in lieu of LC.No. 130 (Kulipalayam) @ km. 435/12-14 between Uthukuli - Thirupur stations in ED - CBE - PTJ section.
4. ROB in lieu of LC: 5 @ km. 3/1-2 bet Dindigul - Akkaraipatti.
5. ROB in lieu of LC No.37 (Urapakkam) @ km. 37/2A - 4 I
6. RUB in lieu of LC:98 @ km. 247/17 - 19 bet Samalpatti - Dasampatti.
7. ROB in lieu of LC No.144 (Irugur yard) @ km. 475/22 - 24
8. ROB in lieu of LC:150 @ km. 488/30-489/2 bet Podanur - Madukkarai.
9. ROB in lieu of LC:156 at km. 198/8-9 bet Ulundurpet & Puvanur.
10. ROB in lieu of L.C.No 279 at km. 375/800 -900 bet Samudram - Manaparai.
11. ROB in lieu of L.C no.370 at km. 500/6-7 bet Madurai & Tiruparankundram.
12. ROB in lieu of LC No 502 @ km. 660/ 8 - 9 bet Tenkasi and Sengottai
13. ROB in lieu of L.C.No.54 @ km. 61/3 - 4 in between Chengalpattu and Thirumani stations in MS - VM section.

14. ROB in lieu of LC N Ottanchattram in P
15. ROB in lieu of LC N 450/13-15.
16. ROB in lieu of LC 32 in Somanur yar
17. ROB in lieu of L.C Budalur and Solar
18. ROB in lieu of L 325 at Km.406/13-14 bet Tiruchchirappalli
19. ROB in lieu of LC Elathur and Quil (Quilandy).
20. ROB in lieu of LC 788/0 in between SRR - MAQ sectio
21. ROB in lieu of Chemmad R betweenPARPPAN
22. ROB in lieu of LC 100 in bet Kanha MAQ section.
23. ROB in lieu of L Tirur - Tanur Road MAQ section.

(b) Works in Progr**(i) No. of bridges :**

y one)

(ii) Details

1. ROB in lieu of L Vyasarpadi Jeev 1(A) @ km. VK./6- VK.7 in bet rukkupet.
2. ROB in lieu of Chengalpet - Pa lo.1 at km. 1/700 - 800 bet evaram.
3. ROB in lieu of L Pilamedu. 2 @ km. 1/11 - 13.bet Irugur -
4. ROB in lieu of L Pilamedu. 4 at Km. 3/3-5 in bet Irugur -
5. ROB in lieu of Korattur - Pattai o.5 @ km. 13 /4-6 in between am stations.
6. RUB in lieu of Royapuram - V No.5 @ km. BB.2/7 -9 in bet manpet
7. ROB in lieu of L -Avadi. @ km. 17/34 -18/2 bet Ambattur
8. ROB No. 11F E-21 in bet Vyasrpadi and Korrukkupet.
9. ROB in lieu of Thiruninravur - lo.14 at km. 32/10 - 12 in bet llur.
10. ROB in lieu of Coimbatore an o 21 @ km. 21/43 - 45 in bet anur stations.
11. ROB in lieu Nidamangalan C.No.22 at Km.31/3-4 in bet Koradacherri.
12. ROB in lieu of Eraniel -Nage .32B at km. 287/600-700 between ations .

13. ROB in lieu of LC No.36 at Km. 35/30-32 Vandalur - Guduvanchery.
14. ROB in lieu of LC No.38 @ km. 52/8 - 10 in bet Elavur - Akkampet.
15. ROB in lieu of LC No.40 @ km.40/2 - 4 in between Urappakkam and Guduvancheri.
16. ROB in lieu of LC No.47 @ km.51/4 - 5 in bet Maraimalai Nagar and Singaperumal Koil.
17. ROB in lieu of L.C.No.54 @ km 61/3 - 4 in bet Chengalpattu and Thirumani.
18. ROB in lieu of LC No.63 @ km. 150/22 - 24 in bet Kavanur - Gudiyatham.
19. ROB in lieu of LC.No. 66 @ km. 158/26 - 28 in bet Gudiyatham - Melalathur.
20. ROB in lieu of LC No. 68 at km. 163/15-17 - Valathur Yard.
21. ROB in lieu of LC No.82 @ km. 198/34 -36 in bet Vaniyambadi - Kettadapatti.
22. ROB in lieu of LC No. 86 @ km. 211/4 - 6 in bet Kettadapatti - Jolarpettai.
23. ROB in lieu of L.C. No 89 @ km. 218/32-219/2in between Jolarpettai - Tirupattur.
24. ROB in lieu of exg. LC No.95 at km. 92/16-17 In bet. Udumalapettai - Gomangalam.
25. RUB in lieu of L.C.:96 at km 243/20-22 bet Kagankarai & Samalpatti(NH)
26. ROB in lieu of L.C.No.131 at Km.438/3-5 in bet Uthukuli and Tiruppur.
27. ROB in lieu of LC No.132 at km:440/26-28 in bet Uthukuli & Tiruppur.
28. RUB in lieu of LC No.133 at km. 441/10-12 in bet Uthukuli & Tiruppur.
29. ROB in lieu of L.C.no.146 at km 479/22-24 between Irugur and Pothanur.
30. ROB in lieu of LC No.166 @ Km.211/300 - 400 in bet Cuddalore port and Capper Quarry.
31. ROB in lieu of LC No. 168 @ Km.215/9 - 216/0 in between Pavanur - Vridhachalam.
32. ROB in lieu of LC No.181 @ Km.236/1-2 in between Pennadam - Mathur stations.
33. ROB in lieu of L.C. No. 216 (Sirkazhi) @ km 262/600 in between Kollidam and Sirkazhi
34. ROB in lieu of LC No.228 at KM. 313/3-4
35. ROB in lieu of LC No. 248 at km. 341/3-4 in bet Srirangam & Tiruchchirappalli Town.
36. ROB in lieu of LC No.302 @ Km.351/10-11 in bet Tite - Thanjavur.
37. ROB in lieu of L.C. No 366 @ km 496/16 - 497/1 in bet Tiruparankundram and Madurai.
38. ROB in lieu of LC No.371 at km 501/400 -500 in bet Madurai - Tiruparankundram.
39. ROB in lieu of L.C.No.439 @ km.587/400 - 500 in bet Kovilpatti and Kumarapuram
40. Rebuilding of exg ROB No.1136 at km 340/600-700 TPJ Yard.
41. ROB in lieu of L.C. No.2 @ km3/19-20 in bet Ernakulam and Tritunithura.
42. ROB in lieu of LC No. 14 @ km 23/100 - 200 in bet Punkunam - Mulangunathukavu.
43. ROB in lieu of LC No 49 @ Km 53/10-11 in bet Pudunaganagaram and Palghat Town.

44. RUB in lieu of LC No.50 @ km. 64/200 - 300 in bet Chalakkudy - Karukutty.
45. ROB in lieu of L.C.No.54 @ Km. 67/13-14 in bet Divine Nagar - Korattiangadi.
46. ROB in lieu of LC No. 170 @ km.615/3-4 in bet TUA - TIR.
47. ROB in lieu of LC No. 216 @ km.714/900-715/0 in bet Badagara - Mukali.
48. ROB in lieu of LC No.217 @ Km. 721/400 - 500 in bet Mahe - Badagara.
49. ROB in lieu of LC No. 268 @ km.801/9-10 in bet Cheravathur - Nileswar.
50. ROB in lieu of LC No.578 @ km. 217/300-400 in bet Kochuvelli - Trivandrum Pettah
51. ROB in lieu of LC.No. 58 @ km. 111/10 -12 in bet Puttur - Taduku.

14 E (ii) Road Over Bridges and Road Under Bridges on Deposit terms (NHAI) :

(a) Works completed

NIL

(b) Works in Progress

(i) No. of bridges :3(Three)

(ii) Details

1. ROB @ km. 346/0 between Tiruchchirappalli-Poongudi stations.
2. ROB in lieu of LC No.351 at Rly Km.429/3-4 in bet Kumaramangalam-Keeranur.
3. ROB @ Rly km.122/386 between Olakkur and Tinidvanam Rly. Stns.

14 E (iii) Other Bridges done on Deposit terms.

(a) Works completed

(i) No. of bridges :2(Two)

1. ROB at km106/0-100 bet ERN and ERS stns (DMRC)
2. Rebuilding of Exg 2L ROB No: 213A to 4L ROB at km.104/5-6 bet ERNAKULAM Town and ERNAKULAM Jn. stns.

(b) Works in Progress

(i) No. of bridges :4(Four)

(ii) Details

1. ROB at Rly km. 373/300-400 bet THIRUNAGESWARAM & KUMBAKONAM Rly. Stns.
2. RUB No: 1459A @ km. 485/500-600 in bet. Samayanallur and Kudal Nagar.
3. ROB between Pattabiram & Nemilichery stations - Chennai Outer Ring Road Project.
4. ROB between Vandaloor & Guduvanchery stations - Chennai Outer Ring Road Project.

15. Bridge Workshops (2013-14)

Sl. No.	Description of Item	T&P/GOC tonnes	EWS/AJJ in tonnes	RCC Depot/ GOC in Nos.
1.	Fabrication of Bridge Girders		30.382	0
2.	Fabrication of Steel works - other than Girders like Foot Over Bridges, Platform Shelters, Flood Light Towers, Tanks & Steel Cribbs, etc.,	15	0	0
3.	Fabrication of other Steel items like Single Cranks, Boiler Tube Gates, Platform Push- Trolleys, Cash Chests, Lamps of Sorts, Combination Fish Plates and Track Bars, etc.,		1.545	0
4.	Fabrication of Permanent Way Items like Points & Crossings, Points & Crossing Sleepers, CST9 Sleepers, Reconditioning of Bearing Plates & Fish Plates, Hook/ Anchor Bolts, Jimcrow, Lifting Barriers, Winches, Push Trolleys, Dip Lorries and Motor Trolleys, etc.,		2,675.113	0
5.	Other items like Reconditioning of Sleepers, manufacture of Skids, Beaters and other Miscellaneous items, etc.,		0	0
6.	(1) Manufacture of RCC Bridge Slabs - MG		0	0
	(i) Manufacture of RCC Bridge Slabs - MG		0	0
	(ii) Manufacture of RCC Bridge Slabs - BG		0	0
	(iii) Manufacture of PSC- MG Sleepers (Post Tensioned)		0	0
	(iv) Manufacture of PSC- MG Mono Block Sleepers (Pre Tensioned)		0	0
	(v) Manufacture of MG - RCC Twin Block Sleepers		0	0
	(vi) Manufacture of RCC pipes of various diameters and Length.		0	60
	(vii) Manufacture of RCC - Pre-cast Boxes - MG		0	0
	(viii) Manufacture of RCC - Pre-cast Boxes - BG		0	0
	(ix) CC platform shelter 2'x2'x3"		0	0
	(x) RCC slab 1'-6" x 1'-6" x 0-4"		0	7,223
	(xi) CC paver block for LC's		0	5,211
	(xii) CC KM Post		0	585
Total			2,707.040	13,588

16. Permanent Way Renewals and welding of Rail Joints, Arrears of track

1. Permanent Way Renewals.—The physical progress of Permanent Way Re

(a) Through Renewals :

Gauge	Primary			Seco
	Through Rail Renewal	Through Sleeper Renewal	Through Rail Renewal	
Broad	143.48	41.96	21.94	29.57
Metre	0.00	0.00	0.00	0.00
Total	143.48	41.96	21.94	29.57

(b) Renewals with PSC layouts under points and crossings:

Type of point	BG	MG	
1 in 16	0.00	0.00	
1 in 12	35.00	0.00	
1 in 8.5	140.00	0.00	
Special layouts	0.00	0.00	
Traps	12.25	0.00	
Switch + xing	41.50	0.00	
Switch	39.75	0.00	
Crossing	31.25	0.00	
Total:	299.75	0.00	75

als and speed restrictions.

during 2013-2014.

(Fig. in Track Kilometres)

(c) Points and Crossings Renewals :

Gauge	No. of Sleepers	
Broad + Metre.. ..		1079

(f) Ballast put into the track during 2013-14 (in Thousands of cu.mts.)

Total Ballast collection during the year : 534.30 Total Ballast inserted during the year : 466.20

16.2—Track Materials used during the year 2013–14. The permanent way materials used during the year 2013–14 at the time of track renewals (excluding casual renewals).

(a) Rails		(in track kilometres)						
Gauge		60 kgs.	52 kgs.	90 lbs.	75 lbs.	60 lbs.	50 lbs.	Total
Broad		83.63	81.79	0.00	0.00	0.00	0.00	165.42
Metre		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		83.63	81.79	0.00	0.00	0.00	0.00	165.42

(b) Sleepers		(in track kilometres)					
Gauge		Concrete	Steel	CST-9	Wooden	others	Total
Broad		71.53	0.00	0.00	0.00	0.00	71.53
Metre		0.00	0.00	0.00	0.00	0.00	0.00
Total		71.53	0.00	0.00	0.00	0.00	71.53

(c) Composite wooden blocks and converted sleepers		(in Nos.)			
Gauge		Composite Nos.	Wooden Blocks In Nos.	Converted steel through Sleepers Nos.	Total
Broad		54	237	194	485
Metre		0	0	0	0
Total		54	237	194	485

16.3—Materials in the track 2013-14—(Running Track) :

(a) Rails		(in Track Kilometres)						
Gauge		60 Kg.	52 kg.	90 lbs.	75 lbs	60 lbs.	50 lbs.	others
BG		1193	5112	9				
MG				7		38	1	
Total		1193	5112	16	0	38	1	0

(b) Sleepers		(in Track Kilometres)					
Gauge		Concrete	Steel	CST-9	Wooden	Others	Total
Broad		6297	7	7	1	2	6314
Metre		7	19	19	1		46
Total		6304	26	26	2	2	6360

(c) Turnouts : (Main Lines)

		(in Nos.)								
		1 : 16		1 : 12		1 : 8.5		1 : 6	Total	
		BG	MG	BG	MG	BG	MG	BG	BG	MG
PSC		70	0	2572	0	990	0	0	3632	0
Steel		0	0	0	1	0	2	0	0	3
Wooden		0	0	0	2	0	31	20	0	53
Total		70	0	2572	3	990	33	20	3632	56

16.4.—Welding of Rail Joints :

(a) **New Track Welded :** Total length of track on which rail joints was done during the year 2013-14.

(Figures in Nos.)

Gauge	Total No. of Joints welded
Broad + Metre	16,514

(b) Total Welded Track :

Total length of welded track as on 31st March 2014

(Figures in Track Kms.)

Gauge	Short Welded Panels	Long Welded Rails/Continuous Welded Rails	Total
Broad ..	797	5468	6265
Metre ..	0	0	0
Total ..	797	5468	6265

(c) Flash Butt Welding Plant :

The work done at the Flash Butt Welding Plant in the Railway 2013-14.

Plant at	Number of joints Welded		Total No. of joints welded
	60 Kgs.	52 Kgs.	
Arakkonam	4,053	50	4,103

16.5-Speed Restriction :

(a) Speed Restrictions in force on 31st March 2014 due to poor condition of track :-

(in Kilometres)

As on	Broad Gauge	Metre Gauge	Total
31-3-2014	0.00	0.00	0.00

(b) Speed Restriction in force as on 31st March 2014 due to reasons other than the above :-

(i) For trains with 100 km..ph. speed

(in kilometres)

As on	Broad Gauge	Metre Gauge	Total
31-3-2014	383.27	0.00	393.27

(ii) For trains with higher speed at 110/120 km.ph.

(in kilometres)

As on	Broad Gauge	Metre Gauge	Total
31-3-2014	396.10	0.00	396.10

17. Block Renewals

Renewals of the following 2012-14 :-

(i) Through rail renewal

Division	
Chennai	..
Salem	..
Palghat	..
Thiruvananthapuram	..
Tiruchchirappalli	..
Madurai	..
Total	..

(ii) Through sleeper renewal

Division	
Chennai	..
Salem	..
Palghat	..
Thiruvananthapuram	..
Tiruchchirappalli	..
Madurai	..
Total	..

18. Damages, Causes, Fire & Civil Disturbances

Sl. No.	Division
1. MAS	Nil
2. SA	Nil
3. PGT	Nil
4. TVC	Nil
5. TPJ	Nil
6. MDU	Nil
7. CE/CN/ERS	Nil
8. CE/CN/MS	Nil
9. MTP	Nil

.. kilometres were carried during

(Primary & Secondary):

Broad Gauge	Metre Gauge
67.50	0.00
24.05	0.00
14.93	0.00
35.61	0.00
14.83	0.00
8.50	0.00
165.42	0.00

(Primary & Secondary)

Broad Gauge	Metre Gauge
32.48	0.00
4.07	0.00
15.00	0.00
12.39	0.00
0.87	0.00
6.72	0.00
71.53	0.00

.. Causes, Floods, Cyclones,

Section	Approximate cost of damages (₹ in Lakhs)
..	..

19. Staff Amenities

Sl. No.	Division	Station	Name of work	Estimate Cost in lakhs
(II) Improvements to Water supply.				
(A) Works Completed :—				
<i>(i) Works costing more than ₹ 5 lakhs each.—</i>				
1.	MAS	..	Nā	
2.	SA	..	i) Podanur Construction of OHT 9000 ltrs capacity and replacement of pipe line grid at 20 block area (id:1360/08-09) CE/OL.	49.50
			ii) Tiruppur - Construction of OHT 45000 litres capacity including pipe line arrangements from well to good shed area (id:1849/08-09) CE/OL.	45.00
			iii) Coimbatore Jn. - Provision of Reverse osmosis plant for providing drinking water to passengers.	29.00
3.	PGT	..	Nā	
4.	TVC	..	QLN - Improvements to Railway Institute and open air auditorium.	9.20
5.	TPJ	..	Nā	
6.	MDU	..	Nā	
7.	CE/CNERS		Nā	
8.	CE/CNMS		Nā	
9.	MTP	..	Nā	
ii) Works costing less than Rs. 5 lakhs each.				
1.	MAS	..	Nā	
2.	SA		Nā	
3.	PGT		TLY - Supply of storage tank.	0.88
			CAN - Improvement to water supply arrangements, providing additional water tank and direct connection to OHT.	0.90
4.	TVC	..	Nā	
5.	TPJ	..	Nā	
6.	MDU		Nā	
7.	CE/CNERS		Nā	
8.	CE/CNMS	..	Nā	
9.	MTP	..	Nā	
(B) Works in Progress.				
<i>i) Works costing more than ₹ 5 lakhs each.</i>				
1.	MAS	..	Nā	
2.	SA	..	SA Divn. Provision of drinking water facilities at goods shed at SA, SAMT, ED, IGU, PLMD & CBF.	50.00
			Podanur Provision of individual storage water tank at Staff Quarters (400 Nos.) and augmentation of water supply by drilling three more borewells and pipe line arrangements (id : 1359/08-09) CE/OL.	49.00
			SA Divn. Provision of purified drinking water to stations through water treatment systems @ CBE (id:1506/09-10) CE/OL.	20.00
3.	PGT	..	CLT, CAN - Constructon of OHT 90000 litres.	47.56
		..	CAN & MAQ - Provision of toilets & bejewels at LCs.	45.04
			PGT - Replacement of corroded pumping main and distribution line in Rly colony.	168.00
4.	TVC	..	1. TVC - Drainage arrangements at Poojapura, Thampanoor & Pettah colonies	179.39
			2. Ernakulam Coaching complex - Watering arrangements by laying 200 mm. dia pipe from Muvatupuzha river near Piravam Road station.	806.00
5.	TPJ	..	1. SARCARPALAYAM - Replacement of cast iron pipe line (2001 m) & Ponmalai - Replacement of Steel tank by reinforced concrete cement tank (id.417/03-04) CE/OL.	249.43
			2. Ponmalai - Provision of borewells - Construction of GLR and over head tank for Railway hospital/GOC and DSL Shed/GOC (id.1253/10-11) CE/OL.	162.41
			3. Improvements to sedimentation tank at SRPM.	5.00
6.	MDU		Nā	
7.	CE/CNERS		Nā	
8.	CE/CNMS	..	Nā	
9.	MTP	..	Nā	

Staff Amenities—(Contd.)

Sl. No.	Division	Station	Name of work	Estimate Cost in lakhs
Works in Progress				
<i>(ii) Works costing Less than ₹ 5 lakhs.</i>				
1.	MAS	..	Nil	
2.	SA	..	Nil	
3.	PGT	..	Nil	
4.	TVC	..	Nil	
5.	TPJ	..	Nil	
6.	MDU	..	Nil	
7.	CE/CN/ERS	..	Nil	
8.	CE/CN/MS	..	Nil	
9.	MTP	..	Nil	
(II) Improvements to sanitation.				
(A) Works Completed.				
<i>(i) Works costing more than ₹ 5 lakhs.</i>				
1.	MAS	..	Nil	
		..	MAQ - Cleaning of under ground sewage system.	9.00
2.	SA	..	Nil	
3.	PGT	..	Nil	
4.	TVC	..	Nil	
5.	TPJ	..	Nil	
6.	MDU	..	Nil	
7.	CE/CN/ERS	..	Nil	
8.	CE/CN/MS	..	Nil	
9.	MTP	..	Nil	
<i>(ii) Works Costing less than ₹ 5 lakhs.</i>				
1.	MAS	..	Nil	
2.	SA	..	Nil	
3.	PGT	..	Nil	
4.	TVC	..	Nil	
5.	TPJ	..	Nil	
6.	MDU	..	Nil	
7.	CE/CN/ERS	..	Nil	
8.	CE/CN/MS	..	Nil	
9.	MTP	..	Nil	
B. Work in Progress				
<i>(i) Works costing more than ₹ 5 lakhs.</i>				
1.	MAS	..	Nil	
2.	SA	..	KRR Station improvements of drainage arrangements in th and north Railway colony.	5.00
			ADEN/KRR - Subdivisioin - Proposed septic tank with drainage arrangements to KLT & KMD.	5.00
			KRR - Provision of drainage arrangements.	10.00
			Erode - Cleaning and maintenance of exisitng sewer for a period of 2 yers.	21.00
3.	PGT	..	CAN & CLT Cleaning of underground sewage system	32.45
4.	TVC	..	Improvements to drainage arrangements at Poojappu colonies.	179.39
5.	TPJ	..	Nil	
6.	MDU	..	Nil	
7.	CE/CN/ERS	..	Nil	
8.	CE/CN/MS	..	Nil	
9.	MTP	..	Nil	

Staff Amenities—(Contd.)

Sl. No.	Division	Station	Name of work	Estimate Cost in lakhs
(ii) Works costing Less than ₹ 5 lakhs.				
1.	MAS	..	Nil	
2.	SA	..	Nil	
3.	PGT	..	Nil	
4.	TVC	..	Nil	
5.	TPJ	..	Nil	
6.	MDU	..	Nil	
7.	CE/CN/ERS	..	Nil	
8.	CE/CN/MS	..	Nil	
9.	MTP	..	Nil	
(III) Other Staff Amenity work				
A. Works completed.				
(i) Works costing more than ₹ 5 lakhs.				
1.	MAS	..	Nil	
2.	SA	..	Construction of additional 2 suits in first floor of ORH.	9.90
3.	PGT	..	Re-roofing with RCC slab and repairs to Quarters.	33.00
4.	TVC	..	TVC - Repairs to toilet of Divisional office.	44.93
5.	TPJ	..	Nil	
6.	MDU	..	Nil	
7.	CE/CN/ERS	..	Nil	
8.	CE/CN/MS	..	Nil	
9.	MTP	..	Nil	
(ii) Works costing Less than ₹ 5 lakhs.				
1.	MAS	..	Nil	
2.	SA	..	Nil	
3.	PGT	..	CAN - Brightening up of Staff Quarters.	2.73
			CAN - Plinth protection to Type I Quarters.	3.47
			CAN - Repairs to flooring Type I Quarters.	1.77
			CLT - Repairs to road in front of Staff Quarters.	3.86
			KUL, FK & CLT - Brightening up of Staff Quarters.	4.85
			CLT - Repair to damaged wooden trellies & Type I Quarters.	3.82
			CLT - Repair to footpath & plinth protection to Type I Quarters.	1.50
			CLT - Repairs to Colony road.	1.27
			CLT - Repairs to drain rear of Quarters No.46 A-D.	1.12
			CLT - Repairs to bath rooms and toilet drain rear of Quarters No.56AB	0.99
4.	TVC	..	Nil	
6.	TPJ	..	Nil	
6.	MDU	..	MDU Jn. Construction of Supervisors' Rest House for unit each at SCT, TN & RMM	4.67
7.	CE/CN/MS	..	Nil	
8.	CE/CN/ERS	..	Nil	
9.	MTP	..	Nil	
B. Works in Progress				
(i) Works costing more than ₹ 5 lakhs.				
1.	MAS	..	Nil	
2.	SA	..	Conoor Re-roofing of Type I Quarters 30 units (id.1543 LAW 07-08) CE/OL.	30.00
			Udagamandalam Re-roofing of Type I Quarters 30 units (id.1568 LAW 07-08/CE/OL	28.00
			Salem Construction of Railway Institute	9.90
			Construction of Officers Club	9.90
			Improvements to colony area at Erode.	5.00

Staff Amenities—(Contd.)

Sl. No.	Division	Station	Name of work	Estimate Cost in lakhs
3.	PGT		Re-roofing with RCC slab and repairs to doors and windows (Type II 28 units)	59.00
4.	TVC		1. Repair to staff quarters Thampanoor Poojappura.	55.48
			2. Repairs to staff quarters at Poojappura.	76.61
			3. TVC Coaching depot. Building for staff Canteen.	12.70
5.	TPJ		1. GOC - Improvements to Staff Quarters in Diesel shed Welfare Plan. id.1582/07-08.	24.32
			2. TPJ Dn - Rewiring of Staff Quarters Type II - 1000 of staff and occupants (id.1287/09-10) CEE.	168.00
			3. VRI - Providing cement concrete to existing leaky Staff Quarters (Quarters numbers Type I 50A-D, 51A-D, 86A-D, 101 A-F, 103A-G, 157A-B, 165A-D, Type II) 9	5.00
			4. Refilling the Staff Quarters No.35, 37, 34 (Type II) at	5.00
			5. TPJ Jn - Proposed construction of modern type lavatory for the staff of Divisional Office (id.1692/09-10) CE/OL.	26.41
6.	MDU	N		
7.	CE/CN/ERS	N		
8.	CE/CN/MS ..	N		
9.	MTP ..	N		
(ii) Works costing Less than ₹ 5 lakhs.				
1.	MAS	..	1. S.Rly. Construction of Community hall at Chennai E Trichy Fort, Nagercoil, Trichur, Erode and Coimbatore	80.82
			2. Chennai Egmore, Villupuram section - Replacing of pipelines at Staff	5,443.00
			Colonies in CGL, ACK and TMV (Under Corporate Plan).	
			3. Chennai Egmore, Villupuram Section - Reroofing of tiles/AC sheet roofing	8,070.00
			with RCC slab in Staff Quarters at CGL, TMV & ACK Corporate Welfare Plan).	
			4. Chennai Egmore - Construction of Staff Rest Room	9,694.00
2.	SA	N		
3.	PGT	N		
4.	TVC	..		
5.	TPJ	..	VRI - Proposed tar left to the existing leaky mangalore roof of Type I Quarters.	4.75
6.	MDU	N		
7.	CE/CN/ERS	N		
8.	CE/CN/MS ..	N		
9.	MTP	..		
(IV) Hospital and Health units				
(A) Works completed				
(i) Works costing more than ₹ 5 lakhs				
1.	MAS	..	N	
2.	SA	..	N	
3.	PGT	..	Repairs to Railway Hospital at PGT.	12.00
4.	TVC	..	Repairs to Railway Hospital buildings and premises	77.98
5.	TPJ	..	N	
6.	MDU	..	MDU Jn. Reconstruction of OP block in Railway Hospital provision of centralised	84.62
			Oxygen plant and additional parking facilities.	
7.	CE/CN/ERS	N		
8.	CE/CN/MS ..	N		
9.	MTP	..	N	
(i) Works costing less than ₹ 5 lakhs				
1.	MAS	..	N	
2.	SA	..	N	
3.	PGT	..	N	
4.	TVC	..	N	
5.	TPJ	..	N	
6.	MDU	..	N	
7.	CE/CN/ERS	..	N	
8.	CE/CN/MS ..	..	N	
9.	MTP	..	N	

Staff Amenities—(Contd.)

Sl. No.	Division	Station	Name of work	Estimate Cost in lakhs
B. Works in Progress				
<i>(i) Works costing more than ₹ 5 lakhs.</i>				
1.	MAS	..	Ni	
2.	SA	..	Ni	
3.	PGT	..	Ni	
4.	TVC		Trivandrum Pettah - Provision of ICU in space near operation theatre (4 bed).	9.90
5.	TPJ	..	Improvements to casualty and dispensary in RH/GOC.	5.00
			Improvements to female OP block in RH/GOC	5.00
6.	MDU		Ni	
7.	CE/CN/ERS		Ni	
8.	CE/CN/MS	..	Ni	
9.	MTP	..	Ni	
<i>(ii) Works costing less than ₹ 5 lakhs</i>				
1.	MAS	..	Ni	
2.	SA	..	Ni	
3.	PGT	..	Ni	
4.	TVC	..	Ni	
5.	TPJ	..	Ni	
6.	MDU		Ni	
7.	CE/CN/ERS		Ni	
8.	CE/CN/MS	..	Ni	
9.	MTP	..	Ni	
(V) SCHOOLS AND HOSTELS				
(A) Works Completed.				
<i>(i) Works costing more than ₹ 5 lakhs</i>				
1.	MAS	..	Ni	
2.	SA	..	ED Construction of P.Way Training school for Class IV Staff including hostel	49.50
3.	PGT	..	Ni	
4.	TVC	..	Nagercoil sub-ordinate rest room in first floor.	9.90
5.	TPJ	..	Ni	
6.	MDU	..	Ni	
7.	CE/CN/ERS	..	Ni	
8.	CE/CN/MS	..	Ni	
9.	MTP	..	Ni	
<i>(ii) Works costing less than ₹ 5 lakhs</i>				
1.	MAS	..	Ni	
2.	SA	..	Ni	
3.	PGT	..	Ni	
4.	TVC	..	Ni	
5.	TPJ	..	Ni	
6.	MDU		Ni	
7.	CE/CN/ERS		Ni	
8.	CE/CN/MS	..	Ni	
9.	MTP	..	Ni	

Staff Amenities—(Contd.)

Sl. No.	Division	Station	Name of work	Estimate Cost in lakhs
(B) Works in progress				
<i>(i) Works costing more than ₹ 5 lakhs</i>				
1.	MAS	..	Nil	
2.	SA	..	Nil	
3.	PGT	..	Nil	
4.	TVC	..	Nil	
5.	TPJ	..	Nil	
6.	MDU	..	Nil	
7.	CE/CN/ERS	..	Nil	
8.	CE/CN/MS	..	Nil	
9.	MTP	..	Nil	
<i>(ii) Works costing less than ₹ 5 lakhs</i>				
1.	MAS	..	Nil	
2.	SA	..	Nil	
3.	PGT	..	Nil	
4.	TVC	..	Nil	
5.	TPJ	..	Nil	
6.	MDU	..	Nil	
7.	CE/CN/ERS	..	Nil	
8.	CE/CN/MS	..	Nil	
9.	MTP	..	Nil	
(VI) Running Room				
(A) Works Completed				
<i>(i). Works costing more than ₹ 5 lakhs.</i>				
1.	MAS	..	Nil	
2.	SA	..	Improvement to running room at OML.	5.00
			Improvements to running at ED.	8.00
3.	PGT	..	Nil	
4.	TVC	..	NCJ - Construction of new running room.	57.00
5.	TPJ	..	Nil	
6.	MDU	..	SE/W/MDU - Re-construction of running room.	8.68
7.	CE/CN/ERS	..	Nil	
8.	CE/CN/MS	..	Nil	
9.	MTP	..	Nil	
<i>(ii) Works costing less than ₹ 5 lakhs</i>				
1.	MAS	..	Nil	
2.	SA	..	Nil	
3.	PGT	..	Nil	
	CAN	..	Nil	
4.	TVC	..	Nil	
5.	TPJ	..	Nil	
6.	MDU	..	Nil	
7.	CE/CN/ERS	..	Nil	
8.	CE/CN/MS	..	Nil	
9.	MTP	..	Nil	

Staff Amenities—(Contd.)

Sl. No.	Division	Station	Name of work	Estimate Cost in lakhs
Works in Progress				
<i>(i) Works costing more than ₹ 5 lakhs.</i>				
1.	MAS			
2.	SA		Improvements to running room at Salem.	5.00
3.	PGT	..	Improvements to kitchen & dining room in running room.	50.00
4.	TVC		i. Improvements to hot water arrangements in the running rooms.	10.00
			ii. Improvements to ventilation and lighting arrangement in the running bungalow and rest houses.	9.90
5.	TPJ	..	Nil	
6.	MDU	..	SE/W/TEN - Construction of new running room (15 beds).	13.00
7.	CE/CN/ERS	..	Nil	
8.	CE/CN/MS	..	Nil	
9.	MTP	..	Nil	
<i>(ii) Works costing less than ₹ 5 lakh.</i>				
1.	MAS	..	Nil	
2.	SA	..	Nil	
3.	PGT	..	Improvements to running room, kitchen work area.	2.80
			Brightening up of running room.	1.31
4.	TVC	..	Nil	
5.	TPJ	..	Nil	
6.	MDU	..	Nil	
7.	CE/CN/ERS	..	Nil	
8.	CE/CN/MS	..	Nil	
9.	MTP	..	Nil	
VII) Miscellaneous Works				
(A) Works Completed				
<i>(i). Works costing more than ₹ 5 lakhs.</i>				
1.	MAS	—		
2.	SA		Barracks for RPF	75.00
			KETTI - Construction of building for accommodating scouts persons.	48.00
			PTJ - Improvements to office and store of SSE/P.Way/E/PTJ.	4.10
			PTJ, MTP - Re-roofing of leaky roof of staff quarters with MS channel & Box section in colony.	6.35
			MTP, CBE & SUU - Replacement of back yard doors of staff quarters.	5.20
3.	PGT	..	Nil	
4.	TVC	..	Improvements to Thampanoor Railway Institute.	9.90
			TVC Dn - Replacement of age ole ceiling fans/provision of additional fans in quarters.	27.00
5.	TPJ	..	Nil	
6.	MDU	..	Nil	
7.	CE/CN/ERS	..	Nil	
8.	CE/CN/MS	..	Nil	
9.	MTP	..	Nil	
<i>(ii). Works costing less than ₹ 5 lakh</i>				
1.	MAS		Nil	
2.	SA	..	Improvement to office and store of SSE/P.Way/E/PTJ.	4.10
3.	PGT	..	Nil	
4.	TVC	..	Nil	
5.	TPJ	..	Nil	
6.	MDU	..	Nil	
7.	CE/CN/ERS	..	Nil	
8.	CE/CN/MS	..	Nil	
9.	MTP	..	Nil	

Staff Amenities—(Concl'd.)

Sl. No.	Division	Station	Name of work	Estimate Cost in lakhs
(B) Works in Progress				
<i>(i) Works costing more than ₹ 5 lakhs.</i>				
1.	MAS	Nil		
2.	SA	..	Nil	
3.	PGT	..	MAQ - Brightening up of service building and staff qu	12.00
4.	TVC		Ernakulam - Construction of Railway Institute-cum-Workfare Organisation.	9.90
			TVC Improvements to Control Office.	17.74
5.	TPJ		Proposed construction of modern type lavatories for Office (id.1692/09-10) CE/OL. Improvements to heritage centre buildings	26.41
				106.49
6.	MDU	..	Nil	
7.	CE/CN/ERS		Nil	
8.	CE/CN/MS	..	Nil	
9.	MTP	..	Nil	
<i>(ii). Works costing less than ₹ 5 lakh</i>				
1.	MAS	..	Nil	
2.	SA	..	Nil	
3.	PGT	..	Nil	
4.	TVC	..	Nil	
5.	TPJ	..	Nil	
6.	MDU		Nil	
7.	CE/CN/ERS		Nil	
8.	CE/CN/MS	..	Nil	
9.	MTP	..	Nil	
20. Level Crossing				
1.	No. of level crossing category-wise (As on 31-3-2014)		3.	No. of level crossings provided without u
	Special Class	448		re additional men were g during 2013-14.
	'A' Class	171	4.	No. of level crossings graded during 2013-14
	'B' Class	145		37
	'C' Class	1060	5.	No. of level crossings provided with Lifting
	'C' Class unmanned	796		Nil
	Canal Crossing	6	a) Inter-locked level crossings.	Nil
	Total	2626	b) Non-interlocked crossings.	Nil
2.	No. of level crossings manned during 2013-14		Total	Nil
a)	Accident prone from ACSPF(b)/DF4/Safety Fund	37	6.	No. of level crossings where traffic census was taken in 2012-13.
b)	From Railway Safety Works (20% segment)	Nil		on taken in such cases.
c)	At State Government's Cost (Reimbursable From 80% Segment of RSWF)	Nil	7.	No. of level crossings downgraded during 2013-14
d)	Others (MPLADS)	Nil		105
	Total	37	8.	No. of level crossings manned/Closed during 2013-14.

21. Statistics of Rail Usage

(a) Rail renewal carried over on various sections during the year 2013-2014

Name of the Section	UP/DN/ SL	Year of sanction	Sanctioned Length	Exg. Rail Section	Rail Renewal done with	Length Renewed during the year
BROAD GAUGE						
ROUTE-'A'						
Chennai Central - Gudur	UP	2009-10	27.03	52 kg	60 kg	3.30
Chennai Central - Gudur	UP	2013-14	2.19	52 kg	60 kg	2.19
Chennai Central - Gudur	UP/DN	2008-09	4.33	52 kg	60 kg	1.25
Chennai Central - Gudur	UP	2013-14	8.50	52 kg	60 kg	8.00
Chennai Central - Gudur	UP	2011-12	21.00	52 kg	60 kg	0.80
Chennai Central - Gudur	UP/DN	2011-12	2.00	52 kg	60 kg	2.00
Chennai Central - Gudur	UP	2013-14	0.90	52 kg	60 kg	0.90
Chennai Central - Gudur	Yard	2007-08	1.20	90R	52 kg II	0.30
ROUTE-'B'						
Chennai Central - Arakkonam	Yard	2011-12	4.00	90/80BH	52 kg II	0.10
Chennai Central - Arakkonam	UP/DN	2012-13	5.96	60 kg	60 kg	1.20
Chennai Central - Arakkonam	DN Fast	2013-14	2.86	60 kg	60 kg	2.40
Chennai Central - Arakkonam	UP Fast	2013-14	1.00	60 kg	60 kg	1.00
Chennai Central - Arakkonam	UP	2013-14	1.30	60 kg	60 kg	1.50
Chennai Central - Arakkonam	DN	2013-14	1.00	60 kg	60 kg	1.00
Chennai Central - Arakkonam	DN	2013-14	1.05	60 kg	60 kg	1.44
Chennai Central - Arakkonam	DN	2013-14	1.00	60 kg	60 kg	0.50
Arakkonam - Jolarpettai	DN	2013-14	0.26	60 kg	60 kg	1.53
Arakkonam - Jolarpettai	UP	2011-12	1.00	52 kg	60 kg	1.00
Arakkonam - Jolarpettai	UP/DN	2013-14	0.56	52 kg	60 kg	0.56
Arakkonam - Jolarpettai	Yard	2010-11	5.90	90R	52 kg II	0.80
Arakkonam - Jolarpettai	DN	2012-13	7.91	60 kg	60 kg	0.96
Chennai Beach - Tambaram	UP/DN	2012-13	9.35	60 kg	60 kg	3.30
Chennai Beach - Tambaram	UP	2012-13	10.50	52 kg	60 kg	1.00
Chennai Beach - Tambaram	B line	2013-14	11.90	52 kg	60 kg	10.40
Chengalpattu - Villupuram	SL	2011-12	16.95	52 kg	52 kg	0.30
Chengalpattu - Villupuram	SL	2012-13	6.74	52 kg	52 kg	0.15
Chengalpattu - Villupuram	SL	2012-13	1.00	52 kg	52 kg	0.26
Chengalpattu - Villupuram	SL	2013-14	7.00	52 kg	52 kg	7.00
Chengalpattu - Villupuram	DN	2013-14	1.10	52 kg	52 kg	1.10
Chengalpattu - Villupuram	DN	2013-14	1.00	52 kg	52 kg	1.00
Chengalpattu - Villupuram	DN	2013-14	1.10	52 kg	52 kg	1.10
Chengalpattu - Villupuram	SL	2012-13	1.00	52 kg	52 kg	1.00
Chengalpattu - Villupuram	SL	2012-13	1.00	52 kg	52 kg	1.00
Chengalpattu - Villupuram	DN	2013-14	1.00	52 kg	52 kg	1.00
Chengalpattu - Villupuram	DN	2013-14	1.00	52 kg	52 kg	0.90
Chengalpattu - Villupuram	DN	2013-14	1.00	52 kg	52 kg	1.00
Chengalpattu - Villupuram	DN	2013-14	1.00	52 kg	52 kg	1.00
Chengalpattu - Villupuram	DN	2013-14	1.10	52 kg	52 kg	1.00
Chengalpattu - Villupuram	SL	2014-15	13.00	52 kg	52 kg	0.45
Chengalpattu - Villupuram	SL	2013-14	1.10	52 kg	52 kg	1.10
Jolarpettai - Salem	UP	2013-14	1.00	52 kg	60 kg	1.00
Jolarpettai - Salem	UP	2013-14	1.00	52 kg	60 kg	1.00
Jolarpettai - Salem	DN	2012-13	0.90	60 kg	60 kg	0.90
Salem - Erode	UP	2013-14	1.00	60 kg	60 kg	1.00
Salem - Erode	UP	2013-14	1.20	52 kg	60 kg	1.20

GMR-7A

ROUTE-' C '

—Nil—

ROUTE-' D ' Special

—Nil—

—Nil—

21. (b) Average traffic in Gross Tonnes per running track kilometrage carried over on various sections during the year 2013-2014

		(in millions)
Section		GMT carried during 2013-14
(1)	(2)	
Broad Gauge		
Group-A		
Chennai Central - Gummidipundi (UP)		21.56
Gummidipundi - Sullurupeta (UP)		25.17
Sullurupeta - Gudur (UP)		15.50
Chennai Central - Gummidipundi (DN)		20.84
Gummidipundi - Sullurupeta (DN)		23.40
Sullurupeta - Gudur (DN)		19.11
Group-B		
Chennai Central - Tiruvallur (UP) FAST		27.46
Chennai Central - Tiruvallur (DN) FAST		39.47
Chennai Central - Tiruvallur (UP) SLOW		15.41
Chennai Central - Tiruvallur (DN) SLOW		15.41
Tiruvallur - Arakkonam (UP)		32.92
Tiruvallur - Arakkonam (DN)		44.93
Arakkonam - Katpadi (UP)		28.41
Arakkonam - Katpadi (DN)		43.69
Katpadi - Jolarpettai (UP)		28.36
Katpadi - Jolarpettai (DN)		43.64
Arakkonam - Tiruttani (UP)		22.75
Arakkonam - Tiruttani (DN)		29.55
Tiruttani - Renigunta (UP)		20.79
Tiruttani - Renigunta (DN)		27.58
Jolarpettai - Salem (UP)		22.63
Jolarpettai - Salem (DN)		35.55
Salem - Erode (UP)		20.07
Salem - Erode (DN)		28.48
Erode - Irugur (UP)		22.24
Erode - Irugur (DN)		26.61
Irugur - Coimbatore - Podanur (SL)		26.61
Irugur - Podanur (SL)		20.07
Podanur - Palakkad (UP)		18.55
Podanur - Palakkad (DN)		21.50
Palakkad - Shoranur (UP)		18.86
Palakkad - Shoranur (DN)		21.63
Shoranur - Ernakulam (UP)		20.02
Shoranur - Ernakulam (DN)		21.88
Chennai Beach - Tambaram (UP) Suburban		23.83
Chennai Beach - Tambaram (DN) Suburban		23.83
Chennai Beach - Tambaram (UP Main line)		11.72
Chennai Beach - Tambaram (DN Main line)		13.30
Tambaram - Chengalpattu (UP)		19.38
Tambaram - Chengalpattu (DN)		20.96
Chengalpattu - Maduratakam		25.02
Maduratakam - Melmaruvathur (UP)		11.72
Maduratakam - Melmaruvathur (DN)		13.30
Melmaruvathur - Thozhupedu (UP)		11.71
Melmaruvathur - Thozhupedu (DN)		13.28
Thozhupedu - Perani		24.99
Perani - Villupuram (UP)		11.71
Perani - Villupuram (DN)		13.28
Villupuram - Tiruchchirappalli (Chord)		19.21
Tiruchchirappalli - Dindigul		14.88
Group - C		
Chennai Beach - Velachery (UP)		7.33
Chennai Beach - Velachery (DN)		7.33
Group-D Special		
- Nil -		
Group-D		
Erode - Tiruchchirappalli Fort		14.04
Ernakulam - Kottayam - Kayankulam		21.51
Kayankulam - Mulanturutti (UP)		10.59
Kayankulam - Mulanturutti (DN)		11.44
Mulanturutti - Chenganur		22.03
Chenganur - Kayankulam (UP)		10.59
Chenganur - Kayankulam (DN)		11.44
Kayankulam - Kollam (UP)		10.59

		(in millions)
Section		GMT carried during 2013-14
(1)	(2)	
D—Concl.		
Kayankulam - Kollam (DN)		11.44
Kollam - Thiruvananthapuram Central (UP)		12.53
Kollam - Thiruvananthapuram Central (DN)		13.26
Ernakulam - Alappuzha		14.66
Alappuzha - Haripad		12.47
Haripad - Kayankulam (UP)		6.56
Haripad - Kayankulam (DN)		5.91
Shoranur - Kozhikode (UP)		14.00
Shoranur - Kozhikode (DN)		14.34
Kozhikode - Kannur (UP)		14.07
Kozhikode - Kannur (DN)		12.59
Kannur - Mangalore (UP)		13.05
Kannur - Mangalore (DN)		10.43
Mangalore - Thokkur		6.74
Karur - Dindigul		8.46
Dindigul - Madurai (UP)		10.77
Dindigul - Madurai (DN)		11.29
Madurai - Virudunagar		16.51
Virudunagar - Vanchi chchi		16.51
Virudunagar - Tenkasi		3.09
Madurai - Manamadurai		2.34
Manamadurai - Rameswaram		4.83
Tirunelveli - Tiruchendur		2.34
Tirunelveli - Vanchi chchi		12.58
Nagarcoil - Tirunelveli		9.32
Villupuram - Vellore Cantonment		3.02
Vellore Cantonment - Villupuram		4.03
Villupuram - Mayiladuthurai		9.12
Mayiladuthurai - Kumbakonam		13.11
Kumbakonam - Thanjavur		13.11
Thanjavur - Tiruchchirappalli		13.11
Tiruchchirappalli - Karaikal		3.75
Group - E Special		
- Nil -		
Group-E		
Salem - Mettur Dam		21.02
Tiruchchirappalli Fort - Tiruchchirappalli Jn.		13.46
Coimbatore - Mettupalaiyam		2.50
Palakkad - Palakkad		1.60
Shoranur - Nilambur		3.43
Ernakulam - Kochi Harbour		-
Thiruvananthapuram - Nagercoil		9.92
Nagercoil - Kanniyakumari		9.92
Vanchi Maniyachchi - Tirunelveli		5.05
Thiruvallur - Guruvayur		4.25
Chengalpattu - Tirumangalam		3.56
Tirumangalam - Arakkonam		1.54
Villupuram - Pudukkottai		4.07
Cuddalore Port - Vridhachalam		3.51
Vridhachalam - Salem		4.00
Salem Market - Salem		4.00
Salem - Namakkal		6.64
Thanjavur - Tiruvarur		10.32
Tiruvarur - Nagore		11.16
Mayiladuthurai - Tirunelveli		2.77
Nagore - Karaikal		2.60
Nagore - Velankanni		0.37
Nidamangalam - Madurai		2.36
Dindigul - Palani		1.94
Tenkasi - Sengottai		3.09
Tirunelveli - Tenkasi		1.90
Punalur - Kollam		3.14
METRE GAUGE		
Mettupalaiyam - Udaipur		0.04

22. Track Modernisation :

As part of Track Modernisation, Southern Railway has been in the forefront in deployment of machines for Track laying as well as for maintenance activities. From the modest beginning made in 1975 with the introduction of 3 Universal Tie Tamping machines and 4 Portal Cranes, the Track Machine fleet has grown over the past four decades with 8 Duomatic Tamping machines, 5 High output capacity CSM tamping machines, 1 High output Express Tamper, 5 Unimat Points & Crossings Tamping Machines, 1 Multi Purpose Tamper, 6 Ballast Cleaning Machines, 2 Shoulder Ballast Cleaning Machines, 4 Ballast Regulation Machines, 8 Dynamic Track Stabilisers, 2 Points & crossing laying machines, 1 Track Relaying Train, 7 Utility Track vehicles, 1 Jumbo Vacuum Cleaner and 2 Portal cranes, thus totaling to 53 machines.

Tamping of 8057 kms. (worksite & construction including) of track has been done by the machine during 2013-14 in the Shatabdhi and other high speed and high-density routes on the Railway.

Track relaying for 49 kms. and Turnout renewal to the tune of 142 Nos. in open line by Track Relaying Train and by T-28 respectively were also completed during the year 2013-14.

Deep screening to the tune of 311 kms. of plain track and 72 Nos. of turnout were completed during this year.

TRACK MONITORING:

Monitoring of track is carried out periodically using RDSO's track recording and Oscillograph cars and portable oscillations monitoring system (OMS 2000) at regular intervals to keep the track in good fettle and safe for passage of trains. 2 nos. of laptop based digital OMS system have been procured and put into operation as a part of modernisation. Further two more machines are indented during the year. Detailed analysis of results of these runs has enabled this Railway to progressively improve the quality of track. Computer program has been developed to generate exception reports to enable field staff for identification of location for planning maintenance.

Track management system (TMS)

A web based Track Management System is implemented in Salem division in July 2010 as part of e-Governance and inspections of field staff are made in e-form and computer based monitoring of various track maintenance activities is introduced. Staffs are provided with notebooks up to grass root level and necessary training is imparted. This system is in the process of implementation in other 5 divisions of this railway in phased manner.

Indian Railways Projects Sanctions and Management (IRPSM):

A web based IRPSM is implemented to process for works programme for all plan heads including Track Renewals as part of e-Governance. This facilitates access of data at all levels and progress monitoring of various sanctioned works, on line duly eliminating paper-pen culture and speed up the process at various levels.

Para 22(b):-

Progress achieved in the various track improvement works during the year is as follows:-

Ballast collection (lac cum.)	5.84
Ballast Insertion (lac cum.)	4.66
Deep screening (km.)	493.30
USFD (km.)	11152
Greasing ERC (km.)	4364
Anticorrosive painting (km.)	1571
Laying PSC turnouts (sets)	299.75
Destressing (km.)	927.60

23. Stabilisation of Bad banks:

Improvement works to formation by making deep screening and provision of Geo-grid/geo-textiles for a total length of 6.90 kms. done during the year 2013-14.

24. Length of Tunnels

Length of Tunnels

Sl. No.	Divn.	Section	Gauge	Tunnel No.	Location	Length in 'm'	Year of Const.	Lined/ Unlined	Straight/ Curve	Remarks
1	MDU	SCT-QLN	MG	1	680/8-681/4	906.78	1901	Lined	ST /Curve	Important
2	MDU	SCT-QLN	MG	2	693/2-3	102.7	1901	UnLined	Curve	
3	MDU	SCT-QLN	MG	3	693/4-5	86.3	1901	UnLined	Curve	
4	MDU	SCT-QLN	MG	4	697/4-5	130.75	1901	UnLined	Curve	
5	MDU	SCT-QLN	MG	5	703/2-3	144.70	1901	Part Lined	Curve	
6	SA	MTP-UAM	MG	1	9/10-11	34.44	1897	Lined	Curve	
7	SA	MTP-UAM	MG	2	11/10-11	19.51	1897	Un Lined	Curve	
8	SA	MTP-UAM	MG	3	12/3-5	83.52	1897	Un Lined	Curve	
9	SA	MTP-UAM	MG	4	12/7-8	46.94	1899	Lined	St/ Curve	
10	SA	MTP-UAM	MG	5	14/6-7	19.51	1899	UnLined	Curve	
11	SA	MTP-UAM	MG	6	14/9-10	79.25	1899	Lined	Curve	Important
12	SA	MTP-UAM	MG	7	15/3-4	88.39	1899	Lined	Curve	
13	SA	MTP-UAM	MG	8	17/8-9	32.92	1899	Un Lined	Curve	
14	SA	MTP-UAM	MG	9	17/10-11	30.48	1899	Un Lined	Curve	
15	SA	MTP-UAM	MG	10	19/5-6	20.12	1899	Un Lined	Curve	
16	SA	MTP-UAM	MG	11	19/11-12	62.48	1899	Un Lined	ST/ Curve	
17	SA	MTP-UAM	MG	12	21/3-4	95.10	1897	Un Lined	Curve	
18	SA	MTP-UAM	MG	13	23/12-24/1	72.85	1904	Lined	Curve	
19	SA	MTP-UAM	MG	14	39/9-10	76.20	1907	Un Lined	Straight	
20	SA	MTP-UAM	MG	15	42/5-5	53.64	1907	Lined	Curve	Important
21	SA	MTP-UAM	MG	16	44/7-9	137.46	1908	Lined	ST/ Curve	
22	PGT	MAQ-PNMB	BG	4	8/8-9/5	589.63	1969	Lined	ST/ Curve	
23	PGT	SRR-MAQ	BG	1198	835/7-9	161.40	1905	Un Lined	Curve	
				ADN						
				1198 Up						
24	PGT	SRR-MAQ	BG	1198	835/7-9	175.00	2003	Un Lined	Curve	
				ADN						
				1198 Up						
25	TVC	ERS-KTYM-K	BG	1	60/4-5	66.68	1958	Lined	Straight	Important
26	TVC	ERS-KTYM-K	BG	2	60/7-9	80.31	1958	Lined	Straight	
27	TVC	TVC-NCJ	BG	3	231/15-232/2	204.10	1979	Lined	Straight	
28	TVC	TVC-NCJ	BG	4	250/7-12	200.60	1979	Lined	2.5 deg.	
29	TVC	TVC-NCJ	BG	5	254/8-9	40.10	1979	Lined	2.0 deg	
30	TVC	TVC-NCJ	BG	6	256/14-257/3	130.05	1979	Lined	1.0 deg	
31	TVC	TVC-NCJ	BG	7	261/14-16	80.00	1979	Lined	1.0 deg.	

Summary Division wise Tunnels

Sl. No.	Division	Gauge	Length
1	MAS	..	0.00
2	SA	MG	952.81
3	PGT	BG	926.03
4	TVC	BG	801.84
5	TPJ	..	0.00
6	MDU	MG	1371.23
Total			4051.91

Note.— Any Tunnel longer than 150 m. may be considered as Important as per RDSO/Lucknow letter

BS/Imp.Br.&Tunnels dt. 5/11/1999

25. Details of Lineal Waterway

Divn.	Broad Gauge		Metre Gauge		Narrow Gauge
	2012 - 13	2013-14	2012 - 13	2013-14	2012 - 13
Important ..	22755.17	22755.17	Nil	Nil	Nil
Major ..	45716.49	45716.49	1178.67	1178.67	Nil
Minor ..	33409.17	33409.17	482.24	482.24	Nil
Total ..	82125.71	101880.83	1660.91	1660.91	Nil

Total	
2012 - 13	2013-14
22755.17	22755.17
22755.17	46895.16
33891.41	33891.41
103541.74	103541.74

26. Building Activities**(i) Statement showing number of projects, plinth area, estimated cost and value**

Sl. No.	Construction Stage	No. of Projects in Units	Total Plinth area in sq.mtrs.	Total floor area in sq. mtrs.
1.A. Residential building				
Family quarters.				
1.	In progress ..	27	6139.3	4351.6
2.	Completed ..	3	369	298.10
1 B. Non-family dwelling barracks Ect.,				
1.	In progress ..	—	—	—
2.	Completed ..	—	300	255
2. Industrial building (Factories, Workshops, etc.)				
1.	In progress ..	—	—	—
2.	Completed ..	—	—	—
3. Commercial buildings (Ware house, offices etc.)				
1.	In progress ..	3	900	790
2.	Completed ..	2	382.85	303.70
4. Institutional buildings				
1.	In progress ..	—	—	—
2.	Completed ..	1	300	255
5. Other buildings (Public Libraries, Amusement building etc.)				
1.	In progress ..	2	170	160
2.	Completed ..	—	—	—

(ii) Statement showing number of addition and alterations of projects, plinth area done during 2013-2014 on Building by construction type and stages of construction

1.a. Residential building				
1.	In progress ..	1	390	—
2.	Completed ..	—	—	300
1 b. Non-family dwelling barracks.				
1.	In progress ..	..	..	..
2.	Completed ..	..	..	..

work done during 2013-2014.

Rate (in Rs.)	Value of the work done during the period (in lakhs of Rs.)	Value of the work done upto the end of the period (in lakhs of Rs.)
101.9	627.28	1203.02
14.55	102.40	852.40
—	—	—
17.90	—	114
—	—	—
—	—	—
25.98	70	86
59.22	22	61
2845	50	50
49.5	—	38
36	20	20
—	—	—

estimated cost and value of work

—	32.75	77.49
82.21	—	—
..	..	..
..	..	..

Sl. No.	Construction/Stage		No. of Projects in (Units)	Total Plinth area in sq.m.	Total floor area in sqm.	Estimate cost (in lakhs of Rs.)	Value of the work done during the period (in lakhs of Rs.)	Value of the work done upto the end of the period (in lakhs of Rs.)
2. Industrial building								
1.	In progress -	..	..	..	..	..	..	..
2.	Completed.	..	..	..	..	..	..	..
3. Commercial buildings								
1.	In progress	..	1	..	..	127.00	..	..
2.	Completed. ..	..	..	..	..	..	..	..
4. Institutional buildings								
1.	In progress	..	..	..	..	..	..	..
2.	Completed. ..	..	..	..	..	..	..	..
5. Other buildings								
1.	In progress ..	..	2	170	160	36	20	20
2.	Completed.	..	..	..	..	..	..	..

iii) Number of dwelling Units/staff quarters (permanent structures) constructed and under construction during 2013-14.

Sl. No.	Construction/Stage	Type I	Two rooms, units or Type II	Three months under Type III	Four rooms units or more Type IV	Type V / (OR) Five Rooms.	Other categories of barracks, bungalows etc.
(a)	In Progress ..	1	846	399	95.21	36.75	77.49
(b)	Completed ..	3493	3154	396	325	191	..

27. Land Management

(a) Tree Plantation

Position for the year 2013-2014 is as under :

(in thousands)

(in Hectares)

Name of States		Total No. of trees surviving as on 1/4/2013	Total No. of trees planted on Railway land			Total land handed over to Forest Deptt.	
			Departmentally	Forest Deptt.	Total	During the year	Total up-to-date 31/3/2014
Tamil Nadu	..	..	..	..	..	..	..
Karnataka	..	..	..	..	..	..	..
Kerala	..	..	..	..	..	..	..
Andhra Pradesh	..	..	..	..	..	..	..
Total		1804.42	155.60	..	1960.02	..	..

No. of shady trees planted on platform during the year 2013-2014.

(b) Encroachments—Position of Encroachments on Railway Land

(i) The position for the year 2013-2014 is as under :

Total No. of encroachments as on 31-3-2013	Total No. of encroachments			Total No. of cases pending with Estate Officer at the beginning of the year 31/3/2013	No. of cases filed during the year	No. of cases decided during the year	Total No. of cases pending with Estate Officer as on 31/3/2014
	Added	Removed	Total No. of encroachments as on 31/3/2014				
9,127	0	23	9,104	2,452	0	23	2,429

(ii) Special Measures taken to remove encroachments :

(c) Position of Licensing Agreement : (Nos.) 2013-14

Item	Total No. of cases	Total No. of cases agreements executed
a. G. M. F.	..	..
(i) Railway employees ..	79	79
(ii) Outsiders ..	..	..
b. Commercial plots including vending by Comm. Deptt.	18	12
c. Engineering plots ..	87	87
d. Shopping plots (Engg. Deptt.)	24	21
e. Oil plots ..	52	43
f. Others ..	371	293
Total ..	631	535

(d) Engg. Earnings from

Sl. No.	Description
1.	Licensing of land for
2.	Sale of Grass rights
3.	Sale of Fruit rights
4.	Sale of Fishery rights
5.	Sale of matured green dry trees.
6.	Licensing of land for purposes including Tel
7.	Licensing of land for
8.	Licensing of land for oil
9.	Way leave facilities & both along road & r
10.	Other Misc. Earnings
Total	

and resources (in Thousands of Rs.)

	Actual earnings for last three years			Remarks
	2011-12	2012-13	2013-14	
1.	196.4	50	40	
2.	0.00	0.00	0.00	
3.	0.00	0.00	0.00	
4.	0.00	0.00	0.00	
5.	1040	5206	2607	
6.	1660.00	381	7	
7.	48639	65080	175834	
8.	2500	683847	360616	
9.	318648.6	79081	866845	
10.	2286	637219	360000	
Total ..	374970	1470864	1765949	

(e) Outstanding Dues (In thousand rupees) 2013-2014

Sl. No.	Item	Position as on 31/3/2013	Accrued during year
1.	G. M. F. Scheme ..	..	..
(a)	Railway Staff ..	..	..
(b)	Outsiders ..	12.226	..
(c)	State Governments ..	..	..
2.	Temporary Commercial Licensing	657.000	..
3.	Outstanding due Oil Companies..	59053.910	..
4.	Outstanding dues from Government Department	13430.598	..
Total	..	73153.734	..

Clearance during the year (-) Balance Outstanding as on 31/3/2014

..	..
72	0
0	12.226
..	0
46271.000	3439.000
108666.000	95905.910
87827.598	50786.000
242836.598	150143.136

(f) Total Land Area (in Hectares) 2013-2014

Total Land area at the beginning of the year (in Hects).	Area of land acquired during the year.	Area of land relinquished during the year.	Balance area of land at the end of year.	Area of land under Active Use		
				Under track structures and colonies etc.	Afforestation.	Comm. licen
(1)	(2)	(3)	(4)	(5)	(6)	(7)
26,295.90	..	..	26,295.90	21,561.95	1,784.36	272

G.M.F. Any other use Area of land lying vacant.

(8)	(9)	(10)
107.4	87.4	2,588.98

28. Civil Engineering Assets

Sl. No.	Year	Division Name	Plinth area of service buildings (in sq.m.)	Plinth area of residential buildings (in Sq. mts.)	Linear water way of bridges in mts.			Length over and under bridges in mts.				Tonnage of steel girders bridges (Tonne)	Tonnage of steel structures other than girder bridges (Tonnes)	Number of water Pumping points Nos.	Number of Sewerage treatment plant Nos.	Number of ballast quarries Nos.
					Major	Minor	Total	F.O.B.	R.O.B.	R.U.B.	Total (m)					
1	2	3	4	5	6	7	8 = (6+7)	9	10	11	12 = (9+10+11)	13	14	15	16	17
1	2012-13	MAS	357218.00	383899.00	4830.66	4135.20	8965.86	1372.00	780.00	755.00	2907.00	0.00	0.00	77	7	0
	2013-14		357218.00	383899.00	4830.66	4135.20	8965.86	1372.00	780.00	755.00	2807.00	0.00	0.00	77	7	0
2	2012-13	SA	142807.00	121072.00	7210.73	5948.92	13159.65	787.16	1094.00	152.45	2033.61	0.00	0.00	20	5	1
	2013-14		142807.00	121072.00	7210.73	5958.56	13169.39	787.16	1094.00	152.45	2033.61	0.00	0.00	20	5	1
3	2012-13	PGT	108200.36	167130.80	13705.28	3243.86	16949.14	1407.42	1268.83	186.32	2862.57	5134.00	702.00	27	1	0
	2013-14		108200.36	167130.80	13021.16	1823.11	14844.27	1360.44	1227.48	157.66	2745.58	5509.74	1483	20	1	0
4	2012-13	TVC	125985.00	102204.00	7386.37	4333.84	11720.21	1067.00	1211.00	301.00	2579.00	9580.00	3650.00	12	0	0
	2013-14		125985.00	102204.00	7386.37	4333.84		1067.00	1211.00	301.00	2579.00	9580.00	3650.00	12	0	0
5	2012-13	TPJ	240887.45	377024.14	13466.94	5063.38	18530.32	1747.58	180.36	1259.14	3187.08	247.00	17570.20	20	14	0
	2013-14		240887.45	377024.14	13714.23	5264.42	18978.65	1747.58	180.36	1259.14	3187.08	247.00	17570.20	20	14	5
6	2012-13	MDU	199507.63	116626.72	9736.63	8636.91	18373.54	611.14	1119.379	247.50	1978.02	38019.00	2662.00	46	16	5
	2013-14		199507.62	116626.72	9736.63	8636.91		156.45	165.80	247.50	322.25	38019.00	2662.00	19	11	0
	2012-13	CE/CN/ERS	0.00	350.00	1328.00	944.00	2208.00	120.00	2405.00	721.00	3254.00	0.00	0.00	1	0	0
	2013-14		2095.00	225.00	968.68	389.27	1369.95	180.00	445.80	79.50	705.3	1435.00	211.00	0	0	0
7	2012-13	CE/CN/MS	3070.00	350.00	3027.00	1908.74	4935.74	150.00	2622.70	725.50	3498.20	0.00	0.00	0	0	0
	2013-14		1500.00	350.00	25.00	263.00	114.00	0.00	2.00	0.00	202.00	156.13	261.13	0	0	0
8	2012-13	MTP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
	2013-14		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
9	2012-13	Total	1179079.49	1269231.68	599000.21	33539.590	87963.19	7371.64	8467.469	3646.51	19485.620	53152.00	24723.20	202	43	6
	2013-14		1178200.43	1268531.68	56893.46	30804.51	87535.87	6609.18	5106.440	2952.25	19581.82	54946.87	25837.33	168	38	6

28. Civil Engineering

Plinth area of service buildings (in sqmts.)	Plinth area of residential buildings (in sqmts.)	Linear water way of bridges in metre			Length over and under bridges in metre				Tonnage of steel girder bridges (Tonnes)	Tonnage of steel structures other than girder bridges (Tonnes)	No. of water pumping points (Nos.)	No. of sewage treatment plant (Nos.)	No. of ballast quarries (Nos.)
4	5	6	7	8 = (6+7)	9	10	11	12 = (9+11)	13	14	15	16	17
		Major	Minor	Total (m)	FOB	ROB	RUB	Total (m)					
1178200.43	1268531.68	56893.46	30804.51	87535.87	6609.18	5106.440	2952.25	19581.82	54946.87	25837.33	168	38	6



V. परिवहन/TRANSPORTATION

Highlights of Freight Performance

1. Originating Revenue Earning Traffic:

- Originating Revenue Earning Traffic during the period 2013-14 was **42.40 MT**.
- Against the Board's Target of **39.00 MT**, SR loaded **42.40 MT** which is more than **8.7% (3.40 MT)**.
- Coal loading recorded **23.509 MT**, is the highest ever surpassing the previous best of 20.176 MT done in the last year.
- The Operating Ratio for the year 2013-14 is **129.04**, the previous year 2012-13 Operating Ratio was 130.59, i.e. 1.2 % improvement.

2. Originating Revenue Earning Traffic (In Million Tonnes) for 2013-14 & 2012-13 compared with Board's target for 2013-14 are as under :—

(In Million Tonnes)					
Commodity	2013-14 Boards, (Target)	2013-14 (Actual)	2012-13 (Actual)	%Variation over Target	%Variation over Last year
COAL	20.750	23.509	20.176	13.3	16.5
CEMENT	2.850	3.215	2.831	12.8	13.6
FOODGRAINS	1.470	2.007	1.504	36.5	33.4
FERTILISER	3.500	3.124	3.281	-10.7	-4.8
POL	3.250	3.299	3.182	1.5	3.7
CONTAINER	1.690	1.551	1.642	-8.2	-5.5
OTHERS	5.490	5.698	5.358	3.8	6.3
TOTAL	39.000	42.403	37.974	8.7	11.7

8. Clearance of Traffic from Ports: (April-2013 to March -2014)

There are six major ports in Southern Railway Viz, Chennai Harbour (HOM), Mangalore Port (NMPT), V. O. Chidambaranar Tuticorin Port (VOC TNHP), and Cochin Port (KIKP).

The traffic originated from various ports during 2013-14 compared to previous year

Name of Port	Port-wise Loading for the year 2013-14 compared to last year						
	Year	Coal	Dolo	Fert	Cont	Lime Stone	Gypsum
HOM	13-14	0	1.01	0.09	0.63	2.87	0.00
	12-13	0.01	0.96	0.11	0.84	2.72	0.00
AIPO	13-14	3.04	-	-	-	-	-
	12-13	2.14	-	-	-	-	-
KIKP	13-14	3.28	-	0.40	-	-	0.00
	12-13	3.21	-	0.53	-	-	0.00
TNHP	13-14	0.22	-	0.25	0.01	0.07	0.00
	12-13	0.21	-	0.30	0.03	0.03	0.00
NMPT	13-14	6.36	-	0.30	0.03	-	0.00
	12-13	5.43	-	0.36	0.01	-	0.00
CHTS	13-14	-	-	-	0.04	-	0.00
	12-13	-	-	-	0.02	-	0.00
TOTAL	13-14	12.90	1.01	1.04	0.71	2.94	0.00
	12-13	11.00	0.96	1.30	0.90	2.75	0.00

3. Loading : (Daily)

COMMODITY	2013
COAL	9
CEMENT	1
FOODGRAINS	1
FERTILIZERS	1
POL	1
CONTAINER	1
Others	2
Total	18

4. The receipt and change points are as

Daily average	2013
Receipts	18
Despatch	18

5. The daily average

2013-14
2048

6. Long Haul Trains

Running of long haul trains in Southern Railway commenced on 6-1-2011. Loaded long haul trains started running on 8-3-2011. Long haul trains run daily.

Year	Em
2013-14	2
2012-13	2

7. The EKM/Engine cost to 2012-13 is :

	2012-13
Diesel	1
Electrical	1

Performance in terms of 8 wheelers

2012-13	% Variation over Last year
836	16.3
122	9.8
67	32.3
146	-6.2
164	1.6
137	-0.7
222	14.0
1694	11.5

Position of wagons at Inter-

(In 8w Units)	
2012-13	% Variation over Last year
1855	-0.2
1862	-0.3

Leases (In 8w Units)

2-13	Improvement by
365	+9.8 %

Trains (combining of two standard gauge trains) commenced on 6-1-2011. Loaded on 8-3-2011.

Performance 2013-14 & 2012-13 are as under:

Load	Total	Improvement by
136	388	10 %
110	353	

Position during 2013-14 compared to 2012-13

2014	2012-2013	% Var. over Last year
	454	- 14.1%
	538	- 11.0%

Major Ennore Port (AIPO), New Mangalore Port (NMPT) and Karaikkal Port (KIKP).

2012-2013 are :—

(In Million Tonnes)		
Others	TOTAL	%Vari over last year
0.05	4.65	- 0.2
0	4.66	-
-	3.04	+42.1
-	2.14	-
0.51	4.19	+1.5
0.36	4.13	-
0.02	0.59	- 3.3
0.02	0.61	
-	6.97	+16.9
0.01	5.96	-
0.01	0.05	+25
-	0.04	-
0.59	19.49	+11.1
0.39	17.54	

9. Passenger Operations—Performance Highlights

9.1. Special Trains run .. 1,357

9.1.1. Allotment of Special trains on (FTR)Film Shooting FTR Village on Wheels
13 117**9.1.2. Allotment of coaches on FTR**

Total No. of Coaches .. 88

9.2. Military Specials run

9.2.1. No. of Military specials 3

9.2.2. No. of Empty Military specials Nil

9.3. Alarm Chain Pulling

The following are the particulars of Alarm Chain Pulling during April 2013 to March 2014 :—

Division	MAS	PGT	TVC	TPJ	MDU	SA	Total
Total No. of cases	469	284	526	213	240	175	1907
Unjustified	207	154	402	—	—	—	803

9.4. Introduction/change in the pattern of through and sectional coaches – Nil**9.5. Overseas Traffic : Nil**

9.6. A total of 116 Coaches were augmented (ACCW-2, ACCN-21, FC-1, GSCN-37, GSCZ-32 & GS-23) by 30 pairs of Exp. trains and 11 Pairs of Passenger trains on permanent basis.

9.6.1. During April 2013 to March 2014, 6856 Coaches were attached as extra to clear wait listed passengers based on day - to - day demand.

9.6.2. To clear extra rush 1357 Special trains, (Including Summer & Winter Specials) were run during April 2013 to March 2014.

10. Introduction of Trains

To Order to meet the increasing requirements of train service, the following new trains were introduced from S. Rly. during 2013-14. (from 1-4-2013 to 31-03-2014).

Sl. No.	T. No.	Description	Date of introduction
1	22625/22626	Chennai Central – Bangalore City AC Double Decker Daily Super Fast Express.	25-4-13
2	22629/22630	Dadar – Tirunelveli (Weekly) Superfast Express.	1-5-13
3	16561/16562	Yesvantpur – Kochuveli – Yesvantpur AC Weekly Express via Kottayam.	2-5-13
4	66608/66609	Palghat Town-Erode MEMU(6 days a week except Thursday).	12-5-13
5	56879/56880	Mayiladuthurai – Thiruvapur passenger.	12-5-13
6	56871/56872	Mayiladuthurai – Thiruvapur passenger.	12-5-13
7	56105/56106	Salem-Namakkal-Karur Passenger- (Non-Budget).	27-5-13
8	56107/56108	Salem-Namakkal-Karur Passenger- (Non-Budget).	27-5-13
9	17615/17616	Kacheguda-Madurai Weekly Express.	28-5-13
10	16615/16616	Mannargudi-Coimbatore "Chemmozhi" Daily Express.	11-6-13
11	16186/16185	Velankanni-Chennai Egmore (Link) Daily "Velankanni" Express.	22-6-13
12	16181/16182	Chennai Egmore-Manamadurai (Bi-Weekly) "Silambu" Express.	22-6-13

Sl. No.	T. No.	Description	Date of introduction
13	56801/56800	Tirunelveli-Sengottai Passenger (Two pairs).	9-7-13
14	56803/56802	Tirunelveli-Sengottai Passenger (Two pairs).	9-7-13
15	16861/16862	Puducherry-Kanniyakumari (Weekly) Express.	15-7-13
16	16129/16130	Chennai Egmore-Tuticorin Link Express.	31-7-13
17	16183/16184	Chennai Egmore-Thanjavur Daily Express.	1-9-13
18	56365/56366	Guruvayur-Punalur Fast Passr. (Via Kottayam) (Non-Budget).	14-9-13
19	16618/16617	Coimbatore-Rameswaram Weekly Express.	17-9-13
20	17414/17413	Puducherry-Tirupathi (Weekly) Express.	17-9-13
21	16565/16566	Yesvantpur-Mangalore Weekly Express.	29-9-13
22	16001/16002	Chennai Central-Palani Express (Daily).	1-10-13
23	11018/11017	Karaikal - Lokmaniya Tilak(T) (Weekly) Express.	27-10-13
24	22351/22352	Pataliputra-Yesvantpur (Weekly) Express.	31-10-13
25	56663/56664	Kozhikode - Thirur Passenger (Daily).	30-11-13
26	22808/22807	Chennai Central-Santragachi AC Bi-Weekly Express.	21-1-14
27	18567/18568	Visakhapatanam-Kollam Weekly Express.	30-1-14
28	22113/22114	Lokmaniya Tilak (T)-Kochuveli Bi-Weekly Express.	27-1-14
29	12552/12551	Kamakhyas-Yesvantpur AC Weekly Express.	8-2-14
30	17235/17236	Bangalore-Nagercoil-Bangalore Daily Express.	8-2-14
31	18637/18638	Hatia-Yesvantpur Weekly Express	15-2-14
32	56769/56770	Palani - Tiruchendur Passenger (Daily).	16-2-14
33	22635/22636	Madgaon-Mangalore Daily Super Fast Intercity Express.	23-2-14
34	17605/17606	Mangalore-Kacheguda Bi-Weekly Express.	23-2-14
35	16003/16004	Chennai Central-Nagersol Weekly Exp.	2-3-14
36	22633/22634	Thiruvananthapuram-H.Nizamuddin Weekly Express.	5-3-14
37	66047/66048	Chennai Central-Tirupati MEMU (Cancelled temporarily w.e.f 25.3.14).	22-3-14
38	22631/22632	Chennai Central-Bikaner Weekly AC Superfast Exp.	27-3-14
39	66307/66308	Ernakulam-Kollam MEMU (Except Wednesday) via Kottayam.	28-3-14
40	66309/66310	Kollam-Ernakulam MEMU (Except Wednesday) via Alappuzha.	28-3-14

11. Extension of Trains 2013-2014

Sl. No.	Description	Extended to	Date of introduction
1	12688/22688 Dehradun/Chandigarh-Chennai Central.	Madurai	13-5-13
2	56514/56513 Bangalore-Nagore Passr	Karaikal	19-7-13
3	12577/12578 Dharbanga-Bangalore Bhagmati Express.	Mysore	23-7-13
4	66611/66612 Thrissur-Ernakulam Passenger(MEMU).	Palakkad	26-7-13

Sl. No.	Description	Extended to	Date of introduction
5	66304/66305 Kollam-Nagercoil Passr (MEMU).	Kanniyakumari	28-7-13
6	16127/16128 Chennai Egmore-Guruvayur Express-Sectional coaches of MS-MDU (Extended portion will run as T.No.16129/16130 MS-TN Link Exp).	Tuticorin	31-7-13
7	56700/56701 Madurai-Kollam-Madurai Passenger (Daily).	Punalur	31-7-13
8	56710/56709 Madurai-Dindigul Passr (Daily).	Palani	2-8-13
9	12082/12081 Thiruvananthapuram-Kozhikode Jansatabdi Express (5 days).	Kannur	2-8-13
10	12605/12606 Chennai Egmore-Tiruchchirappalli Pallavan Express	Karaikudi	1-9-13
11	76837/76838 Karaikudi-Manamadurai Passenger (DEMU).	Virdhunagar	7-9-13
12	16858/16857 Mangalore-Tiruchchirappalli Weekly Express	Puducherry	28-9-13
13	12507/12508 Emakulam-Guwahati (Weekly) Express (Via KTYM).	Thiruvananthapuram	1-10-13
14	70105/70106 Bhatkal-Thokkur DEMU (Non-Budget).	Mangalore Central	3-2-14

Increase in Frequency

Sl. No.	T. No. & Description	Increase in frequency to	w.e.f.
1	16315/16316 Bangalore-Kochuveli Expresss.	6 days a Week to daily	5-9-13
2	56321 Kanniyakumari - Tirunelveli Passr.	(6 days to daily)	8-9-13
3	56325 Nagercoil-Kanniyakumari Passr.	(6 days to daily)	8-9-13
4	56312 Tirunelveli - Nagercoil Passr	(6 days to daily)	8-9-13
5	12641/12642 Kanniyakumari - H. Nizamuddin - Kanniyakumari Tirukkural Exp.	Weekly to Bi-weekly.	12-4-13
6	22604/22603 Kharagpur - Villupuram - Kharagpur Exp.	Weekly to Bi-weekly.	10-4-13
7	22616/22615 Coimbatore-Tirupathi Tri-Weekly Exp.	Tri-Weekly to 4 days a week.	12-9-13
8	12217/12218 Kochuveli-Chandigarh-Kochuveli Samprak Kranti Exp.	Weekly to Bi-Weekly	21-2-14
9	12687/22687/12688/22688 Madurai-Dehradun/Chandigarh-Madurai Express.	Weekly to Bi-Weekly	30-3-14

2. Trains introduced on Gauge Converted Sections : Nil**3. Conversion into Superfast Trains : NIL****4. EMU Services introduced during 2013-14 :**

One pair between Chennai Beach-Velahery (i.e. T. No. 41131/41132) has been introduced w.e.f. 22-7-2013.

12. Cancellation of

1. In view of Increase in frequency of T.No. 16315/16316 Bangalore-Kochuveli Express as a daily train, T.No.16321/16322 Bangalore-Thiruvananthapuram Weekly Express is cancelled with effect from 5-9-2013. Train No. 16311 Kochuveli - Bangalore - made as a daily train with effect from 4-9-2013 ex. SBC.

2. In view of introduction of Train No. 17235/17236 Bangalore-Nagercoil-Bangalore Daily Express, T.No. 16537/16538 Bangalore-Nagercoil-Bangalore Weekly Express is cancelled with effect from 28-11-2013 Ex. SBC. 1-2013 ex. Nagercoil.

13. Conversion of T

Conversion of Train No. 12255/12256 YPR-PDY-YPR with Conventional rake and 16573.16574 YPR-PDY-YPR from Ex.YPR on 21-3-2014 and Ex.PDY on 22-3-2014

14. Trains Diverted**15. Short Termination**

1) T.No. 16089/16090 Chennai Central - Jolarpettai Express running upto Jolarpettai with effect from 1-7-2014.

2) The Kumbakonam - Chennai Egmore Rock Fort Express is curtailed upto Tiruchchirappalli with effect from 1-7-2014.

16. Punctuality Percentage (Gauge Wise) NLT E

	Broad Gauge	
	Target	2012-13
Mail/Exp.	95.0	91.6
Passenger	95.0	86.9
Suburban	95.0	79.5

	2012-13	2013-14
No. of trains run	86850	92964
No. of trains not losing	79533	87430
No. of trains losing	7317	5534
Percentage	91.6	94.0

	2012-13	2013-14
Mail/Exp.	89.7	92.4

—

frequency of T.No. 16315/16316 Bangalore-Kochuveli Express as a daily train, T.No.16321/16322 Bangalore-Thiruvananthapuram Weekly Express is cancelled with effect from 5-9-2013. Train No. 16311 Kochuveli - Bangalore - made as a daily train with effect from 4-9-2013 ex. SBC.

2. In view of introduction of Train No. 17235/17236 Bangalore-Nagercoil-Bangalore Daily Express, T.No. 16537/16538 Bangalore-Nagercoil-Bangalore Weekly Express is cancelled with effect from 28-11-2013 Ex. SBC. 1-2013 ex. Nagercoil.

—

Conversion of Train No. 12255/12256 YPR-PDY-YPR with Conventional rake and 16573.16574 YPR-PDY-YPR from Ex.YPR on 21-3-2014 and Ex.PDY on 22-3-2014

II

Chennai Central - Jolarpettai Express running upto Jolarpettai with effect from 1-7-2014.

2) The Kumbakonam - Chennai Egmore Rock Fort Express is curtailed upto Tiruchchirappalli with effect from 1-7-2014.

Percentage of Passenger Carrying Trains

	Metre Gauge			
	2013-14	Target	2012-13	Target
Mail/Exp.	94.0	-	-	-
Passenger	86.6	95.0	99.1	95.0
Suburban	83.1	-	-	-

	Broad Gauge (Mail/Exp.)	
	2012-13	2013-14
No. of trains run	86850	92964
No. of trains not losing	79533	87430
No. of trains losing	7317	5534
Percentage	91.6	94.0

Time Basis

	Broad Gauge (Mail/Exp.)	
	2012-13	2013-14
Mail/Exp.	89.7	92.4

17. Volume of Traffic handled and Transportation out put.

(Figures in thousands)

Sl. No.	Description	2013-2014	2012-2013
(a)	No. Passenger Carried (System)..	857271	873003
(b)	Passenger Kms.	8248056	84062221
(c)	Passenger train Kms. *Excl. Deptl. (incl. MEMU, DEMU, EMU)	62550	59395
(d)	Total Coaching Vehicle Kms.	1879810	1771088
(e)	Total freight tonne Kms.	18031661	17479572
(f)	Goods train Kms. Excluding Departmental.	10781	10785
(g)	Total Wagon Kms, Excluding Dept. & Brake-van.	507547	499827
(h)	Total train Kms. (Excl. Deptl.) * (incl. Pass & Goods and also MEMU, DEMU, EMU).	73332	70180
(i)	Total Engine Kms.	75985	73384
(j)	Total Gross Tonne Kms. (incl. weight of Engine & Deptl.) and inclu. coaching, goods EMU MEMU DEMU).	93166063	89065062

(*) Includes proportion of mixed & Train Kms. of EMU stock as the trains are run and also Rail Car Kms. Converted at the rate of 3 Rail Car Kms. Per train Kms. but excluding departmental.

18. Operating Efficiency

The important efficiency statistics are given below :-

Sl. No.	Description	Broad Gauge		Metre Gauge	
		2013-14	2012-13	2013-14	2012-13
(I)	Wagon Kms. per wagon day on line. (In terms of eight wheelers).	145.95	154.84	0	0
(II)	Coaching Vehicle Kms. per vehicle day--				
	(a) Passenger..	565.79	552.12	34.92	106.56
	(b) Other Coaching..	447.3	668.1	0	0
(III)	Percentage of loaded to total wagon Kms.	58	59	0	0
(IV)	Speed of all Goods trains (Kms. per hour).	29.0	26.8	0	0.0
(V)	Average starting wagon load (Tonnes).	62	61.9	0	0

Sl. No.	Description	Broad Gauge		Metre Gauge	
		2013-14	2012-13	2013-14	2012-13
(VI)	Loads of Goods Trains (Tonnes)-				
	(a) Net or freight load..	1670	1619	0	0
	(b) Gross Load (incl. weight of engine).	3048	2976	0	0
	(c) Gross Load (Excl. weight of engine).	2862	2798	0	0
(VII)	Net Tonne Km. Per wagon day on line.	5178	5410	0	0
(VIII)	Net Tonne Km. Per Locomotive day in use.	182834	191490	0	0
(IX)	Net Tonne Km. per engine hour.	17282	15552	0	0
(X)	Gross Tonne Km. Per engine hour.	76706	75013	0	0

Note :-* All Wagon related items are in terms of 8 wheelers.

19. Originating Tonnage underplan heads

The break-up of freight traffic under the Plan head in terms of Originating tonnes handled during the current year compared with the previous years is as follows :-

(Figures in Millions)

Sl. No.	Tonnage Originating	2010-11	2011-12	2012-13	2013-14
1	Coal				
	(i) Coal for Railway use ..	0.00	0.00	0.00	0.00
	(ii) Coal for Steel Plant ..	0.80	1.33	2.06	0.67
	(iii) Coal for other use ..	16.46	17.41	18.12	22.84
	(iv) Total Coal ..	17.26	18.74	20.18	23.51
2	Raw materials for steel plants (Other than coal).	2.01	2.79	3.13	3.19
3	Finished products from steel plants.	1.56	0.00	0.00	0.00
4	Cement ..	3.45	3.98	2.83	3.21
5	Export Ores:				
	(i) Iron Ores ..	0.00	0.00	0.00	0.00
	(ii) Manganese Ore ..	0.00	0.00	0.00	0.00
6	Miscellaneous Goods :				
	(i) Railway Materials ..	0.48	0.44	0.26	0.35
	(ii) Foodgrains ..	1.37	1.95	1.50	2.01
	(iii) Mineral Oils ..	3.05	2.99	3.18	3.30
	(iv) Fertilizers ..	3.91	4.77	3.27	3.12
	(v) Other Goods ..	3.97	4.07	3.80	3.95
	(vi) Total Misc. Goods ..	2.78	14.22	12.01	12.73
7	Total All Traffic (Revenue & Non-Revenue) ..	35.5	39.73	38.15	42.64

20. Wagon Position and Wagon Usages

The supply of wagons and loading in the current year compared to previous year is (in terms of number of wagons) :—

Sl. No.	Description		Broad Gauge	
			2013-14	2012-13
(a)	No. of wagons owned (in terms of 8-wheelers)	..	9,379	9,379
(b)	Inter-change debit/credit balance	..	n/a	n/a
(c)	Average wagon holding (in terms of 8-wheelers)	..	9,527	9,527
(d)	No. of wagons loaded :			
	(i) Originating		1,888	1,888
	(ii) Transshipment		0	0
	(iii) Repacked		0	0
	(iv) Coaching Traffic		0	0
	(v) Total loading		1,888	1,888
(e)	No. of loaded wagons received daily from other Rlys.		1,252	1,252
(f)	Turn round of wagons (on line)		2.71	2.71

Note.—All Wagon related items are in terms of 8 wheelers.

n/a — not available

21. Wagons on Line

(a) The actual No. of wagons for the last years was as under :
(Figures in units)

Gauge	2013-14	2012-13	Percentage variation over previous year
Broad	9,623	9,735	-1.15
Metre	0	285	-100.00
Total	9,623	10,020	-3.96

(b) The average No. of wagons on line pooled and non-pooled as under (in terms of 8-wheelers).

Gauge	2013-14	2012-13	Percentage variation over previous year
Broad	9,527	8,841	7.76
Metre	0	0	0.00

(c) The No. of wagons loaded and transhipped at break of gauge junctions excluding those booked at coaching rates and wagons into which Goods were transhipped or repacked in the same gauge during the current year as compared with previous year were as under :—

Gauge	2013-14	2012-13	Percentage variation over previous year
Broad	6,88,972	6,13,651	12.27
Metre	0	0	0.00

(d) The No. of loaded wagon received from other Railways during the current year compared with the previous year was as under (in terms of 8-wheelers) :

Gauge	2013-14	2012-13	Percentage variation over previous year
Broad	4,57,159	4,63,021	-1.27
Metre	0	0	—

(e) The daily average percentage of wagons not available for use for year under review as compared with the previous year was as under (in terms of 8-wheelers).

Gauge	2013-14	2012-13	Percentage variation over previous year
Broad	8.24	7.64	7.85
Metre	0	0	..

below—(in terms of daily average

	Metre Gauge	
	2013-14	2012-13
	0	282
	n/a	n/a
	0	0
	0	0
	0	0
	0	0
	0	0
	0	0
	0	0

22. Statement of

Particulars

I. Coal	
(i) Coal for Railways	
(ii) Coal for Steel	
(iii) Coal for Other	
(iv) Total Coal	
II. Raw Materials for	
(Other than Coal)	
III. Finished products	
IV. Cement	
V. Export Ore	
(i) Iron Ore	
(ii) Manganese Ore	
VI. Miscellaneous Goods	
(i) Railway Materials	
(ii) Foodgrains	
(iii) Mineral Oil	
(iv) Fertilizer	
(v) Other Goods	
(vi) Total Miscellaneous	
(vii) Total all traffic	

23. Engine usage

The more important statistics of engine usage are given below :—

1. Engine Kms. in service

Particulars	
(a) Passenger	
B. G.	Steam
	Dsl. Elec.
	Dsl. H.
	Elec.
	Total
M. G.	Steam
	Dsl. Elec.
	Dsl. H.
	Elec.
	Total

Tonne Kms. (Originating)

(Figures in Millions)

	2013-2014	2012-2013
	0	00
	37.64	331.18
	5,302.39	4,329
	5,340.03	4,660.45
Plants	455.37	447.01
Steel Plants	605.80	597.96
	3,018.66	3,414.81
	0	0
	0	0
	45.17	30.33
	4,063.94	3,861.48
	1,161.68	1,152.43
	1,395.15	1,372.28
	1,945.86	1,942.82
	8,611.80	8,359.34
	18,031.66	17,479.57

Statistics of engine usage are given

—(Allotment basis)

(Figures in thousands)

Current Year	Previous Year	% variation over previous year
2013-14	2012-13	
0	0	0.00
29,827	28,872	-3.20
0	0	00
42,089	38,476	-858
71,916	67,348	-6.35
19	21	10.53
55	131	138.18
0	0	0.00
0	0	0.00
74	152	105.41

(Figures in thousands)

Particulars	Current Year 2013-14	Previous Year 2012-13	% variation over previous year
(a) Passenger			
(b) Goods			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	7,973	8,255	3.54
Dsl. Hyd. ..	0		0.00
Elec. ..	17,459	14,818	-15.13
Total ..	25,432	23,073	-9.28
M. G. Steam ..	0	0	0
Dsl. Elec. ..	0	0	0.00
Dsl. Hyd. ..	0	0	0
Elec. ..	0	0	0
Total ..	0	0	0.00
(c) Mixed			
B. G. Steam ..	0	0	0
Dsl. Elec. ..	0	0	0
Dsl. Hyd. ..	0	0	0
Elec. ..	0	0	0
Total ..	0	0	0
M. G. Steam ..	0	0	0
Dsl. Elec. ..	0	0	0
Dsl. Hyd. ..	0	0	0
Elec. ..	0	0	0
Total ..	0	0	0
(d) Total EKMs incl. Depl.			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	43,530	44,289	1.74
Dsl. Hyd. ..	213	433	103.29
Elec. ..	60,535	54,643	-9.73
Total ..	1,04,278	99,365	-4.71
M. G. Steam ..	24	23	-4.17
Dsl. Elec. ..	61	150	145.90
Dsl. Hyd. ..	0	0	0.00
Elec. ..	0	0	0.00
Total ..	85	173	103.53
II. Engine Kms. per day per engine in use :			
(a) Passenger Service			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	538	621	15.43
Dsl. Hyd. ..	0	0	0.00
Elec. ..	679	626	-7.81
Combined ..	@	@	..
M. G. Steam ..	29	29	0.00
Dsl. Elec. ..	44	81	84.09
Dsl. Hyd. ..	0	0	0.00
Elec. ..	0	0	0.00
Combined ..	@	@	..
(b) Goods Service			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	290	360	24.14
Dsl. Hyd. ..	0	23	0.00
Elec. ..	350	375	7.14
Combined ..	@	@	..
M. G. Steam ..	0	0	0.00
Dsl. Elec. ..	0	0	0.00
Dsl. Hyd. ..	0	0	0.00
Elec. ..	0	0	0.00
Combined ..	@	@	..

(Figures in thousands)

Particulars	Current Year 2013-14	Previous Year 2012-13	% variation over previous year
III. Engine Kms. per day per engine on line (All services) :			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	349	391	-10.74
Dsl. Hyd. ..	48	75	-36.00
Elec. ..	412	398	3.52
Combined ..	@	@	..
M. G. Steam ..	6	6	0.00
Dsl. Elec. ..	33	46	-28.26
Dsl. Hyd. ..	0	0	0.00
Elec. ..	0	0	0.00
Combined ..	@	@	..

@ As the method for compilation of Engine Kms. per day per engine in use/on line is different for different tractions the data for combined traction have not been shown.

24. Punctuality of Passenger Trains

The punctuality performance of passenger carrying trains on Gauges during the current year and previous year is given below :

Particulars	2013-14	2012-13
B.G. Mail & Express	92.4	89.7
Passenger	86.5	86.9
Suburban (EMU)	83.8	76.8
M.G. Mail & Express	0.0	0.0
Passenger	99.3	99.1
Suburban (EMU)	0.0	0.0

25. Goods earnings under important heads during 2013-2014.

Sl.	Particulars	Tonnes Carried (in millions)		Earnings (in lakhs of ₹)	
		2012-13	2013-14	2012-13	2013-14
Revenue Earnings Traffic					
1.	Products of Agriculture	10.828	12.567	48,057.49	54,479.75
2.	Animals & Products of animals.	..	..	..	..
3.	Products of mines	27.663	30.920	83,322.42	1,02,537.06
4.	Mineral oil	4.402	4.361	20,738.45	22,766.51
5.	Products of Forests	0.239	0.201	704.64	634.29
6.	Manufactures	14.502	14.841	64,270.43	59,614.70
7.	Others	8.472	8.751	26,015.49	29,666.60
8.	Total Revenue Traffic				
	Excel Misc. Goods	66.106	71.641	2,43,108.92	2,69,698.91
	Earnings.				
9.	Non-Revenue Traffic				
	Railway Coal				
	a. For home line	..	..	..	..
	b. For other Govt. Railways.	..	..	..	..
	c. Diesel oil booked by Companies for Rlys.	..	..	..	..
10.	General Stores & Materials for Railway.				
	a. For home line (1001+1004).	0.162	0.240	..	..
	b. For other Govt. Railways.	..	..	..	..
11.	Total Non-Revenue traffic.	0.162	0.240	..	..
12.	Grand Total	66.268	71.881	2,43,108.92	2,69,698.91

26. Water Supply

Sl. No.	Division	Name of Work	Estimate cost ₹ in lakhs
A. Works completed			
(i) Works costing more than ₹ 5 lakhs each			
1.	Chennai	Nil	
2.	Salem	PTJ- Construction of OHT 90000 liters capacity and replacement of pipe line grid 20 block area.	49.50
		TUP-Tiruppur- Construction of OHT 45000 litres capacity arrangements from well to good shed area (id : 1849/08-09)	45.00
		CBE- Construction Jn. Provision of revers osmosis plant for drinking water to passengers.	29.00
		PTJ- S&T workshop installation of revers osmosis plant.	8.00
3.	Palakkad	Nil	
4.	Trivandrum	GUV- Improvements to water supply arrangements	64.28
5.	Tiruchchirappalli	Nil	
6.	Madurai	DG Jn. Construction of RCC GLR and OHT of 90000 litre augmenting drinking water supply for station.	77.00
		DG Jn. laying of drinking water pipeline from Km. 3/4 to 5 station	24.00
		MDU Jn. - Proposed improvements to existing hydrants in area PF 1 & 2	21.00
		SCT - Station Proposed construction of 90,000 litres capacity repairs to existing -Corroded pipeline for station buildings	38.80
		TDN - TMQ - Proposed construction of Over Head Tank 45,000 litres	30.00
		DG Jn.-Augmentation of water storage for the requirement station cleanliness	20.00
		KKDI Jn.- Augmentation of water supply to station by digging deep bore wells	16.00
7.	CE/CN/ERS	KCVL Yard OF tank	53.42
8.	CE/CN/MS	Nil	
9.	MTP	Nil	
(ii) Works costing less than ₹ 5 lakhs each			
1.	Chennai	Nil	
2.	SA	Nil	
3.	Palakkad	Nil	
4.	Trivandrum	Nil	
5.	Tiruchchirappalli	Nil	
6.	Madurai	Nil	
7.	CE/CN/ERS	Nil	
8.	CE/CN/ERS	Nil	
9.	MTP	Nil	
B. Works in Progress			
(i) Works costing more than ₹ 5 lakhs each			
1.	Chennai	Nil	
2.	Salem	Provision of drinking water facilities at good sheds at Salem, ED, IGU, PLMD & CBF	50.00
		PTJ- Provision of individual storage water tank at Staff quarters (400 Nos.) and	49.00
		augmentation of water supply by drilling three more wells and pipe line	
		arrangements (idL1359/08-09) CE/OL.	
		KRR - Replacement of corroded pipe line. Improvement sewage system at various	85.00
		stations.	
		PTJ- Provision of purified drinking water to stations through water treatment systems	20.00
		@ CBE (id : 1506/09-10) CE/OL.	

Sl. No.	Division	Name of Work	Estimate cost ₹ in lakhs
3.	Palakkad ..	Nil	
4.	Trivandrum ..	Ernakulam Coaching Complex – Watering arrangements by laying 200 mm. dia. pipe for Muvatupuzha river near Piravam Road station.	24.00
		Water supply arrangements ALLP - Repairs to water hydrants	9.33
5.	Tiruchchirappalli ..	1. Sarcapalayam - Replacement of cast iron pipeline (2001 m) & Ponmalai - Replacement of Steel Tank by reinforced concrete cement tank.	
		2. Ponmalai - Provision of borewells, construction of GLR and over head tank for Railway Hospital/GOC and DSL, shed/GOC (id. 1253/10-11) CE/OL.	162.11
		3. Improvements to sedimentation tank at SRPM	5.00
6.	Madurai ..	MDU - Provision of purified drinking water in all modern stations (MDU, DG, VPT, KKDI, RMM, TEN, TN, PLNI and TSI (id. 1555/09-10) CE/OL.	37.39
		MVN - New RCC OHT - 90,000 litres	26.43
		SCT - Station proposed construction of pump house and approach road to pump house.	29.80
		SNKL - Station Replacement of existing steel tank with RCC OHT - 45,000 litres capacity and replacement of existing corroded pipelines of stations.	20.00
		MDU - Improvement to carriage water hydrants by replacement at PF and Pit line	35.00
		SNKL Station - Proposed construction of GLR 20,000 litres capacity and provision of 200 mm. dia Borewell with pumping arrangements.	30.00
		TCN Station - Proposed Carriage water hydrants in between Rd 1 and 2 for VIP siding	30.00
7.	CE/CNERS ..	Nil	
8.	CE/CNMS ..	Nil	
9.	MTP ..	Nil	
(ii) Works costing less than ₹ 5 lakhs each			
1.	Chennai ..	Nil	
2.	SA ..	Nil	
3.	Palakkad ..	Nil	
4.	Trivandrum ..	Nil	
5.	Tiruchchirappalli ..	Nil	
6.	Madurai ..	Nil	
7.	CE/CNERS ..	Nil	
8.	CE/CNERS ..	Nil	
9.	MTP ..	Nil	

27. Action Taken to Maintain Cleanliness at Station Premises.

A1, A & B Category stations : Medical Department—76 Stations

Comprehensive cleaning contracts, inclusive of mechanised cleaning of stations/tracks, rag picking and garbage disposal have been awarded at 63 A1, A & B Category stations by Medical Department. Contracts will be awarded at remaining stations in a phased manner.

'C' Category stations: Commercial Department—74 Stations.

Cleaning contracts exist at 30 stations. Tenders are under finalisation at 29 stations. Cleaning activity at remaining stations is managed presently with imprest cash provided exclusively for this purpose. Action has also been initiated to float tenders at remaining stations.

'D, E & F' category stations : Commercial Department

The cleaning activity at 'D, E & F' category stations is being carried out duly utilising the imprest cash given exclusively for this purpose to SM's in 'D' and 'E' category and halt agents in 'F' category stations.

In accordance with the instructions contained in the **Commercial Circular No. 76 of 2012 relating to —Indian Railways (Penalties for activities affecting cleanliness at Railway premises) Rules, 2012, (Gazette Notification GSR 846 (E) dated 26/11/2012**, fines are being collected from those indulging in activities affecting the cleanliness and hygiene of Railway premises. An amount of ₹ 3,92,400 has been realized from 1661 cases upto May 2014. (from December 2012).

Suitable instructions have been sent to divisions to give wide publicity of the above rules, paste posters at all Railway stations, put-up notices inside the coaches, make announcement through Public Address System at stations.

28. Specific fuel Consumption

Specific Fuel Consumption—Brief Remarks for the variation—Period: April 2013 to March 2014 compared with April 2012 to March 2013.

Service	Apr. 12 to Mar. 13	Apr. 13 to Mar. 14	Variation	Remarks
Broad Gauge Steam Traction	No service			

METRE GAUGE—STEAM TRACTION

Pass. and Prop. of Mixed.	0.0	0.0	0.0	At present the steam locos operated by using coal are utilised for departmental service only.
Goods and Prop. of Mixed	No Service	No Service	No Service	

DIESEL TRACTION—BROAD GAUGE

Pass. and prop	4.04	4.10	(+) 0.06	Due to gauge conversion and open of new lines, other passenger services increased with light load. Improvement
Goods and prop. of mixed.	2.22	2.11	(-) 0.11	

DIESEL TRACTION—METRE GAUGE

Pass. and prop of Mixed.	11.74	29.23	(+) 17.49	NM Railway heritage passenger services only.
Goods and prop. mixed.	Nil	Nil	Nil	

—MG Diesel Traction closed on 19-10-2012 Except N.M. Railway Heritage Service

Statement No. 26(a)

Shed wise and field wise Coal Supplied (in tonnes) for 2013-2014

Field	Grade "A"	Grade "B"	Grade "C"	Grade "D"	Non Graded	Total
Bengal & Bihar Coal	0	0	—	—	—	0
Singareni Coal	—	—	—	—	—	—
MPVP Coal	—	—	—	—	—	—
Total	0	0	—	—	—	0

Grade wise Coal Consumption and No

Kind of Coal	Loco-Purp Apr.-12 to Mar-13
Grade "A"	103
Grade "B"	0
Grade "C"	—
Grade "D"	—
Non Graded	—
Wood (in terms of Coal)	—
Salvage	—
Coke (in terms of Coal)	—
Total	103

on (in tonnes) for Locomotive motive purposes

Non-Loco Purposes		Total	
Apr.-12 to Mar-13	Apr.-13 to Mar-14	Apr.-12 to Mar-13	Apr.-13 to Mar-14
—	—	103	21
—	—	0	0
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
254	166	254	166
254	166	357	187

FUEL**General**

- Monitoring of CTRs booking points to GM
- Precise allocation of services e. g. Passenger
- Modification of coach successive trains.
- Introduction of DE

Action by Division

- Periodical check accountability.
- Shutting down of d minutes in en route
- Identifying Loco P their intensive Mo
- Loco pilots to be loco pilots who a simulators at DTT(C

Action by Diesel Sh

- Identifying locos o immediate action
- Instructed to collec

COMPAIGN

- Anting vouchers dispatch from crew
- untal of fuel issues to different ser ls, department and shunting etc.
- s to provide minimum time between
- place of conventional rakes wher
- fuel installations for quality and
- cos when detained for more than 30
- nsuming more fuel than normal and by Loco Inspectors.
- arized based on fuel efficiency and on SFC to be sent for training on
- SFC (during load box test) and taking be the fuel consumption.
- STKM individual loco wise, every month.

29. Input/Output Ratio

Particulars	2013-14	2012-13	Variation % over previous year
1. INPUT			
(i) No. of Goods Engines incl. proportion of mixed engine to be distributed to Passenger & Goods service in ratio of mixed hrs. equated in terms of steam locomotives by taking main line Diesel/Electric equivalent to 2.5 Steam and Dsl. and Elec. Shunter to 1.5 steam.	472.8	436.3	8.37
(ii) Wagon holdings in terms of 8-wheelers.	9,527	8,841	7.76
(iii) Additional capital investments on line capacity & terminal capacity (₹ in lakhs).	N/A	N/A	N/A
2. OUTPUT			
(i) GTKMs. incl. Wt. of Engines (in lakhs) on ownership basis as per train documents Goods & prop. of mixed.	5,12,875	4,96,882	3.22
(ii) NTKMs (in lakhs) on ownership basis as per train documents Goods & prop. of mixed.	2,53,625	2,33,754	8.50
(iii) Average daily loading incl. Transshipment at BG, MG & NG (Revenue & Non-Revenue).	1,888	1,694	11.45
Average daily loaded receipts.	1,252	1,269	-1.34
Total loading and loaded receipts.	3,140	2,963	5.97
AVERAGE			
Wagon Kms. Per wagon day on line			
BROAD GAUGE	146.0	154.84	-5.74
METRE GAUGE	0.00	0.00	0.00



VI. वाणिज्य/COMMERCIAL

1. Revision of Passenger Fares :

Revision of Reservation Charges and Supplementary surcharge for superfast trains :—

Based on the Commercial Circular No. 20 of 2013 dated 12th March 2013, the Advance Rates Notification for Rate Advice No. 3 of 2013 (Coaching No. 10/2013) has been issued. With effect from 1st April 2013, Reservation Fee, Supplementary charge for Superfast Trains has been revised and Enhanced Reservation Fee was withdrawn. The details of these revision are as under :

I. Reservation

Class	Reservation fee (in rupees)	
	Existing	Revised
Second	15	15 (No Change)
Sleeper	20	20 (No Change)
AC Chair Car	25	40
AC 3 Economy	25	40
AC 3-tier	25	40
First Class	25	50
AC 2-tier	25	50
AC First	35	60
Executive	35	60

ii. Supplementary Charge for Super fast Trains :—

Class	Supplementary charges for Superfast trains (in rupees)	
	Existing	Revised
Second	10	15
Sleeper	20	30
AC Chair Car	30	45
AC 3 Economy	30	45
AC 3-tier	30	45
First Class	30	45
AC 2-tier	30	45
AC First	50	75
Executive	50	75

iii. Enhanced Reservation Fee :—The enhanced reservation fee which is levied on tickets booked for journeys originating from other than the ticket booking station, like return tickets, onward journey tickets, etc., is withdrawn.

Service tax will be levied as applicable as per instructions issued in this regard.

II. Fare Structure of Executive AC chair Car attached to any train other than Shatabdi trains, including Double Decker trains.

Based on the Commercial Circular No. 45 of 2013 dated the Advance Rates Notification for Rate Advice No. 6 of 2013 (Coaching No. 31/2013) has been issued. The fare structure of Executive AC Chair Car attached to any train other than Shatabdi trains, including Double Decker trains shall be the basic fare of Executive AC chair car of Shatabdi Express trains. Other charges like reservation fee, surcharge for super trains and service tax etc. will be levied additionally.

III. Reservation in B class of Duronto Trains

Based on the Board of Railways dated 26th April 2013 for Rate Advice No. 3 has been issued. With effect from 1st May 2013, the Basic Fare Structure for AC classes of Duronto Trains has been revised.

Basic Fares for Shatabdi, Duronto, Garib Rath, Jan Shatabdi, Yuva etc. as given in this Coaching Circular, Reservation fee, Service Tax etc. These charges, where ever applicable, will be levied additionally.

IV. Fuel Adjustment in Passenger fare :

Based on the Commercial Circular No. 45 of 2013 dated 3rd October 2013 for Rate Advice No. 10 has been issued. Ministry of Railways has decided to revise the Fuel Adjustment Charge (FAC) linked passenger fare as per revised Passenger Fare Table published by IRCA effective from 7th October 2013.

In view of increase of 1 day, 3 days & 5 days increase in second class fare of First class Tourist tickets will be increased by Rs. 5/- and no increase in second class Tourist tickets.

Other charges :—The reservation fee, supplementary charge, where ever applicable, will continue to be levied additionally.

Service Tax will be levied as applicable as per instructions issued in this regard, the changes in fares for Shatabdi, Jan Shatabdi and Duronto have also been notified. ARN No. 13 (Coaching No. 50/2013).

V. Revision in fares for AC classes of Duronto Express comparable with Rajdhani/ Shatabdi Express with effect from 10th October 2013.

Based on the Commercial Circular No. 61 of 2013 dated 5th October 2013 for Rate Advice No. 10 has been issued. With effect from 10th October 2013 Board of Railways has decided to further revise the fares of AC classes of Duronto Expresses comparable with Rajdhani/Shatabdi Express.

There is no change in the fares of sleeper class and non-AC Chair Car of Duronto Express. The changes in fares of AC classes of Duronto Express have been notified vide ARN No. 10/2013 (Coaching No. 49/2013).

VI. Revision of catering charges :

Ministry of Railways has decided to revise the catering charges for the Duronto Express and Shatabdi Express trains with effect from 17th October 2013. The revised fares have been notified vide ARN No. 52/2013 (Coaching No. 52/2013).

VII. Conversion of fares for AC classes of Duronto Express and Shatabdi Express :

- (1) Train No. 12 Duronto Express between Chennai Central and Coimbatore Jn. as Shatabdi Express.
- (2) Train No. 22 Duronto Express between Chennai Central and Thiruvananthapuram as Super Shatabdi Express.

are structure for AC Economy

Based on the Board of Railways dated 26th April 2013 for Rate Advice No. 3 has been issued. With effect from 1st May 2013, the Basic Fare Structure for AC classes of Duronto Trains has been revised.

Basic Fares for Shatabdi, Duronto, Garib Rath, Jan Shatabdi, Yuva etc. as given in this Coaching Circular, Reservation fee, Service Tax etc. These charges, where ever applicable, will be levied additionally.

omponent (FAC) linked in

Based on the Commercial Circular No. 45 of 2013 dated 3rd October 2013 for Rate Advice No. 10 has been issued. Ministry of Railways has decided to revise the Fuel Adjustment Charge (FAC) linked passenger fare as per revised Passenger Fare Table published by IRCA effective from 7th October 2013.

In view of increase of 1 day, 3 days & 5 days increase in second class fare of First class Tourist tickets will be increased by Rs. 5/- and no increase in second class Tourist tickets.

Other charges :—The reservation fee, supplementary charge, where ever applicable, will continue to be levied additionally.

Service Tax will be levied as applicable as per instructions issued in this regard, the changes in fares for Shatabdi, Jan Shatabdi and Duronto have also been notified. ARN No. 13 (Coaching No. 50/2013).

classes of Duronto Express at bdi Express for comparable 10th October 2013.

Based on the Commercial Circular No. 61 of 2013 dated 5th October 2013 for Rate Advice No. 10 has been issued. With effect from 10th October 2013 Board of Railways has decided to further revise the fares of AC classes of Duronto Expresses comparable with Rajdhani/Shatabdi Express.

There is no change in the fares of sleeper class and non-AC Chair Car of Duronto Express. The changes in fares of AC classes of Duronto Express have been notified vide ARN No. 10/2013 (Coaching No. 49/2013).

arges :

Ministry of Railways has decided to revise the catering charges for the Duronto Express and Shatabdi Express trains with effect from 17th October 2013. The revised fares have been notified vide ARN No. 52/2013 (Coaching No. 52/2013).

di and Duronto Trains :

- 244 Duronto Express between Chennai Central and Coimbatore Jn. as Shatabdi Express.
- 208 Duronto Express between Chennai Central and Thiruvananthapuram as Super Shatabdi Express.

With effect from 22nd November 2013 Ministry of Railways have decided to convert Chennai Central – Coimbatore and Chennai Central – Thiruvananthapuram Duronto Express respectively as Shatabdi Express and Super AC Express. Further Board desires that commercial stoppage should be provided by Train No. 22207/22208 Chennai Central – Thiruvananthapuram Central at Ernakulam and Quilon and by Train No. 12243/12244 Chennai Central and Coimbatore Jn. at Salem, Erode and Tiruppur.

The composite fares from Chennai Central – Coimbatore for Train No. 12243/12244 Chennai Central – Thiruvananthapuram for Train No. 22207/22208 to other stoppages duly incorporating the reservation charges, supplementary charges for superfast trains and catering charges have been notified vide ARN No. 11 of 2013 (Chg. No. 57/2013).

VII. Revision of memu/Tariff of Catering services in Train No. 12007/12008 Ex. MAS-MYS-MAS Shatabdi Express :-

With effect from 21st February 2014 the catering charges for Train No. 12007/12008 Ex. MAS-MYS-MAS Shatabdi Express has been revised due to inclusion of Vat element in new contract. The revised fares have been notified vide ARN. No. 3 of 2014 (Coaching No. 9/2014).

2. Revision of rates for Goods Traffic

The Base freight rate has been revised with effect from 1st April 2013, disbanding the practice of levying Terminal Charge in case of freight traffic.

The rationalized rate structure for freight came in force with effect from 10th October 2013.

II. Dynamic pricing Policy :

Dynamic pricing refers to tariff measures for management of seasonal and regional skew in demand for wagons with the objective of optimizing utilization of transport capacities and reducing idling of assets and capacities.

The following are various charges/surcharges which were in force during 1st April 2013 to 31st March 2014 :-

Busy Season Surcharge :

The validity of busy season surcharge levied at the rate mentioned in the table below notified to remain in force up to 31st March 2013 has been extended up to 30th June 2013.

Sl. No.	Commodities	Rate
1	Food grains, Flours and Pulses	10%
2	Chemical Manures	10%
3	All other commodities	12%
4	Container Traffic	Nil
5	Automobile Traffic moved in NMG, BCACM & BCCNR wagons.	Nil

Busy season charges at the rates mentioned in the table below has been levied from 1st October 2013 and will remain in force till further advice.

Sl. No.	Commodities	Rate
1	All commodities	15%
2	Container Traffic	Nil
3	Automobile Traffic moved in NMG, BCACM BCCNR & BCACBM wagons.	Nil

The following periods of the Financial Year have been notified as Busy Season and Lean Season :-

Busy Season : 1st April to 30th June
: 1st October to 31st March

Lean Season : 1st July to 30th September

Congestion Surcharges :-

Congestion charge on freight charges at the rates mentioned in the table below has been levied during the period up to 31st March 2013 and will continue to remain force until further advice.

Sl. No.	Commodities	Rate
1	All Traffic to Bangladesh	20%
2	All Traffic to Pakistan	20%

General :-

(i) Service Tax :

With effect from 1st April 2013 the Service Tax is also levied on the following commodities :-

- Petroleum and Petroleum Products
- Household effects

3 Refunds on Goods Traffic

Sl. No.	Description	April to March	
		2012-13	2013-14
1	Number of cases carried for from previous year.	351	372
2	No. of cases received/re-opened during the year.	11,286	7,290
3	Number of cases disposed off during the year.	11,265	6,915
4	Number of cases on hand at the end of the year and carried forward to next year.	372	375
5	Number of cases outstanding for over 3 months but less than 6 months.	13	99
6	Number of cases outstanding for over 6 months.	269	276
7	Number of cases pending in the court at the end of the year.	1	1
8	Average time taken to settle	23.01	23.08

Registration of refund claims during April 2013 to March 2014 is 7,290 as against 11,286 during April 2012 to March 2013.

The Number of refund cases pending at the end of March 2014 is 375 as against 351 at the end of March 2013.

The Number of cases pending 3 to 6 months is 99 at the end of March 2014 as against 13 at the end of March 2013.

The Number of cases pending over 6 months is 276 at the end of March 2014 as against 269 at the end of March 2013.

The pending cases are being closely mentioned and presistent efforts are being taken for early disposal of pending cases. Special attention is bestowed for clearing six months old cases and bring down the outstanding pending cases.

- | | | |
|-----|---------------------|-----|
| (4) | Concession in Fares | Nil |
| (5) | Fairs and Meals | Nil |

4. Rebate on Export Traffic :

The scheme was not in force in 2013-2014.

5. Introduction of Freight Incentive Schemes :

The following Freight Incentive Schemes are in force from 1st January 2010 :—

- Incentive Scheme for Loading Bagged Consignments in Open & Flat wagons.
- Incentive Scheme for Traditional Empty Flow Direction.
- Incentive Scheme for Freight Forwarders.
- Incentive Scheme for Incremental Traffic.

All the Incentive Schemes are sanctioned at Divisional level by DRMs.

The performance under various Freight Incentive Schemes during 2013-14 is given below :—

- Incentive Scheme for Loading Bagged consignments in Open & Flat wagons :

Nil.

- Incentive Scheme for Traditional Empty Flow Direction (INTER-RAILWAY)

NIL

- Incentive Scheme for Freight Forwarders :

April 2013-March 2014

Name of the Firm availed the Scheme	Quantum moved (in tonnes)	Freight collected Rs.
M/s. Shriniwasa Roadways.	57 160	8,23,23,173

- Incentive scheme for Incremental Traffic :

Nil

5) Board, with the objective of generating additional traffic, permitted zonal railways to identify Intra-zonal empty flow directions and notify such traffic streams, along with the modalities and extent of incentive on the basis of evolution by the team of officers comprising CCM, COM and FA&CAO with the approval of General Manager, with effect from 2nd November 2013.

Utilising the powers, two streams of traffic viz. (i) Cement from Cement plant Sidings over TPJ and SA divisions to Korukkupet goods, Salt Cotaur, Chengalpattu and Kancheepuram over MAS division and (ii) Iron and Steel from Mecheri Road over SA division to Korukkupet goods have been identified and freight discount of 30% on NTR was granted from December 2013 to May 2014.

The above freight discount yielded additional loading of 36,346 tonnes of cement traffic and freight of Rs. 1.36 Crores during the concessional period. However, there has been no loading of Iron and Steel traffic.

6. Loading details under transportation products April 2013-Mar. 2014.

(No. of Rakes)

Loading Head	MAS	MDU	TPJ	SA	PGT	TVC	Total
Block Rake	5092	535	237	126	2304	836	9130

Loading Head	
Mini Rake	
Two point Rake	
Multi point Rake	
Two and Multi point rake (other than covered wagons)	
Rake from Two Originating Terminals	
Rake from Two Originating Terminals (other than covered wagons)	

7. (a) Claims Register

Year	P.
2012-13	
2013-14	

(b) Claims Performance

Details	
Opening Balance	..
Registration	..
Re-opened	..
Total	..
No. of cases paid	..
No. of cases repudiated	..
Total Disposal	..
Closing Balance	..
Amount paid (Excl. cases)	..
Amount paid in court	..
Total amount paid (including cases)	..
Average time for disposal	..

(c) Cause-wise Analysis of Claims Paid in Court

Claims paid on Account of	
Complete loss	
Theft of complete package	
Pilferages	
Damage by wet	
Delay in transit	
Breakage	
Leakage	
Others	
Total	

MDU	TPJ	SA	PGT	TVC	Total
1	188	326	188	18	745
Nil	167	21	48	2	238
Nil	Nil	15	Nil	Nil	15
Nil	Nil	Nil	Nil	2	2
Nil	Nil	Nil	Nil	10	10
Nil	Nil	Nil	Nil	Nil	Nil

Goods	Total
565	891
443	726

	2013-14	2012-13
..	122	76
..	726	891
..	46	59
..	894	1026
..	69	81
..	736	823
..	805	904
..	89	122
..	2.37	1.92
..	0.42	1.05
..	2.79	2.97
..	62 days	53 days

Analysis of Claims Paid : (including Court)

Year	Number	Amount Rs. in lakhs)
2013-14	65	2.27
2012-13	81	1.92
2013-14	0	0
2012-13	0	0
2013-14	0	0
2012-13	0	0
2013-14	0	0
2012-13	0	0
2013-14	0	0
2012-13	0	0
2013-14	1	0
2012-13	0	0
2013-14	3	0.10
2012-13	0	0
2013-14	69	2.37
2012-13	81	1.92

(d) Commodity Analysis of Claim Paid :

Claims paid on Account of	Year	Number	Amount Rs. in lakhs)
(a) Grains & Pulses ..	2013-14	0	0
..	2012-13	..	..
(b) Iron & Steel ..	2013-14	2	0.15
..	2012-13	3	0.04
(c) Cotton piece goods ..	2013-14	3	0.09
..	2012-13	5	0.14
(d) Chemicals & Manure ..	2013-14	0	0
..	2012-13	0	0
(e) Coal & Coke ..	2013-14	0	0
..	2012-13	0	0
(f) P. O. L. ..	2013-14	0	0
..	2012-13	0	0
(g) Others ..	2013-14	62	2.13
..	2012-13	73	1.74
(h) Total ..	2013-14	69	2.37
..	2012-13	81	1.92

(e) Court Cases Disposal : (excluding Accident cases)

Details	2012-13	2013-14	% Variation
Opening Balance ..	256	249	- 3%
Registration ..	99	66	- 33%
Transferred cases ..	..	..	..
Total ..	355	315	- 11%
Settled out of court ..	..	..	..
Decreed ..	48	22	- 54%
Dismissed ..	53	27	- 49%
Others ..	05	04	- 20%
Total ..	106	53	- 50%
Closing Balance ..	249	262	+ 5%

(f) Court cases trend (Benchwise, excluding accident cases)

RCT	Opening Balance	Regis- traction	Total	Disposal	Closing Balance
RCT/MAS	04	..	04	02	02
RCT/ERS	..	01	01	..	01
Other Railways RCT Cases	90	09	99	09	90
Civil Suits	04	..	04	..	04
Consumer Forum cases	124	54	178	41	137
Appeal cases in High Courts & Supreme Court	27	02	29	01	28
Total	249	66	315	53	262

(g) Accident cases (Section 124) During the year 2013-14

RCT	Opening Balance	Regis- traction	Total	Disposal	Closing Balance
RCT/MAS	01	03	04	03	01
RCT/ERS	..	02	02	..	02
Other Railways RCT Cases	..	01	01	..	01
Appeal cases in High Courts	08	03	11	01	10
Total	09	09	18	04	14

(h) Accident cases (Section 124-A)

RCT	Opening Balance	Regis- traction	Total	Disposal	Closing Balance
RCT/MAS	158	346	504	271	233
RCT/ERS	34	10	134	59	75
Other Railways RCT Cases	86	18	104	18	86
Appeal cases in High Courts	208	46	254	50	204
Total	486	508	996	398	598

(i) P. S. Us.

RCT's	Opening Balance	Regis- traction	Total	Disposal	Closing Balance
RCT/MAS	01	..	01	..	01
RCT/ERS	..	..	..	..	..
Other Railways RCT Cases	03	..	03	02	01
Appeal cases in High Courts & S/C	05	..	05	..	05
Total	09	..	09	02	07

(i) Cause -Wise and Commodity wise analysis of claims paid in court during 2013-14

Cause	Commodity	Amount in Rs.
Damage	Onion	42,080/-

8. Claims prevention – Preventive Measures :**(a) N. R. Cell**

During 2013-14 total of 246 wagons load consignments were disposed off by the NR Cell averting claims to the tune of Rs. 5031 Lakhs. 766 Parcel cases were also disposed of during the same period saving an amount of Rs. 1195 Lakhs.

The performance of NR Cell during the year 2013-14 compared to the corresponding period of the previous year is furnished below :

Details	Wagon Loads		Parcels	
	2012-13	2013-14	2012-13	2013-14
Opening	26	33	19	13
Balance				
Registration	227	238	710	758
Total	253	271	729	771
Disposal	220	246	716	766
Closing Balance	33	25	13	5
Amount saved	2319	5031	74	119.5

(b) C. P. Checks :

During the year 2013-14, 9 Claim Prevention Checks were conducted at important Stations, Goods Sheds and Parcel Offices over Southern Railway. Irregularities noticed during these checks were brought to the notice of the concerned for taking necessary remedial action.

9. Lost Property Office

(a) Position of unconnected/undelivered parcels :

Details	2012-13	2013-14
Opening Balance	242	268
Registration	1012	1267
Total	1254	1555
Disposal	967	943
Closing Balance	287	612

(b) Auction at lost pro

LPO	Opening Balance
MAS	207
ED	01
CBE	05
CLT	06
ERS	02
TVC	08
QLN	08
MDU	19
TPJ	32
Total	288

offices – 2013-14

No. of Auctions conducted	No. of parcels disposed through Auction	Amount realised ₹
08	404	6,15,474
02	24	53,182
05	32	58,662
08	71	1,50,977
05	07	3,348
06	36	91,240
02	13	41,466
02	38	42,726
03	32	24,261
41	657	16,22,856

10. Tabulated statement showing the comparative details of refund claims dealt with Railway (For the Year 2012-2013 & 2013-2014)

2012-2013										2013-2014									
Month & Year	Opening Balance	Accrued	Re-opened	Total for disposal	Disposed off	Closing Balance	% cleared as compared to accrual	Average Time	Amount Refunded (₹)	Month & Year	Opening Balance	Accrued	Re-opened	Total for disposal	Disposed off	Closing Balance	% cleared as compared to accrual	Average Time	Amount Refunded (₹)
Apr'12	21954	8688	19	30661	13803	16858	159%	71	3689517	Apr'13	15746	15378	191	31315	16	15746	15378	191	31315
May'12	16858	18082	66	35006	11651	23355	64%	63	3194603	May'13	15164	15818	50	31032	13	15164	15818	50	31032
Cum	26770	85		25454			95%		6884120	Cum		31196	241	32					31196
Jun'12	23355	14053	13	37421	9080	28341	65%	45	2930720	Jun'13	14696	14814	84	29594	16	14696	14814	84	29594
Cum	40823	98		34534			85%		9814840	Cum		46010	325	48					46010
Jul'12	28341	13359	34	41734	8138	33596	61%	50	1997080	Jul'13	13281	10865	562	24708	15	13281	10865	562	24708
Cum	54182	132		42972			79%		11811920	Cum		56875	887	63					56875
Aug'12	33596	13249	23	46868	19486	27382	147%	129	4616404	Aug'13	9539	7999	483	18021	10	9539	7999	483	18021
Cum	67431	155		62158			92%		16428324	Cum		64874	1370	74					64874
Sep'12	27382	14031	5	41418	15374	26044	110%	80	3685847	Sep'13	7216	6905	711	14832	11	7216	6905	711	14832
Cum	81862	160		77532			95%		20114171	Cum		71779	2081	85					71779
Oct'12	26044	13384	12	39440	16193	23247	121%	83	1401001	Oct'13	3723	8901	46	12670	8	3723	8901	46	12670
Cum	94846	172		93725			99%		21515172	Cum		80680	2127	94					80680
Nov'12	23247	16813	11	40071	21580	18491	128%	86	4469996	Nov'13	4335	11411	258	16004	10	4335	11411	258	16004
Cum	111659	183		115305			103%		25985168	Cum		92091	2385	104					92091
Dec'12	18491	13833	0	32324	10254	22070	74%	60	1836536	Dec'13	5560	8961	90	14611	9	5560	8961	90	14611
Cum	125492	183		125559			100%		27821704	Cum		101052	2475	114					101052
Jan'13	22070	19641	33	41744	18312	23432	93%	85	2576131	Jan'14	5226	10185	111	15522	12	5226	10185	111	15522
Cum	145133	216		143871			99%		30397835	Cum		111237	2586	123					111237
Feb'13	23432	16247	12	39691	16806	22855	103%	88	4273307	Feb'14	5665	8310	138	14113	13	5665	8310	138	14113
Cum	161380	228		160677			100%		34671142	Cum		119547	2724	133					119547
Mar'13	22855	13765	262	36912	21166	15746	154%	71	6882558	Mar'14	4497	7735	127	12359	11	4497	7735	127	12359
Cum	175145	490		181843			104%		41553700	Cum		127282	2851	143					127282

11. Ticket Less Travel

The comparative statistics are given below :

Year	Total No. of cases of Ticketless Travel	Amount realised There from (₹)
2012-13	786831	31,07,23,966
2013-14	885035	35,99,71,334

12. Ticket Checking Details of Detection of Irregular travel

The cases of irregular travel detected, excess charges recovered and cases dealt with the Court during 2013-14 are as under :-

	in ₹
1. No. of Passengers found travelling irregularly	8,85,035
2. No. of cases unbooked/partially booked luggage	90,343

3. Total Penalty earned

4. Gross ticket checker earnings including non-penalty earnings

5. No. of Passenger executed

6. No. of Passenger booked

7. No. of Passenger detected

8. No. of Passenger off

9. Amount of Judicial Realised

10. No. of Mendicant detected

11. Total cost incurred by Ticket Checking Staff

	in ₹
m (1) and (2) above	37,89,60,936
earnings including	79,12,91,293
..	37,478
..	76
..	37,279
..	123
Realised	1,07,19,499
ed ..	15,713
ket Checking Staff	1,07,49,78,147

13. Road Competition

Road Operators continue to offer stiff competition to the Railway with their inherent advantages of negotiable rate, door-to-door services, quick transit, instant settlement of claims on the spot, etc. The issue of National permits and Zonal Permits for Road operators has stiffened the competitions further.

Freight Marketing Branch has intensified efforts to attract higher rated/high yielding traffic. Regular Meetings are held with traders, Customers, firms, Chamber of Commerce, etc. at divisional and headquarters level.

Freight :

Southern Railway closely liaise with Importers/Exporters and port management for capturing additional/new traffic wherever possible. Primary advantages of the scheme is that Marketing Wing of Railway act as a "Single Window" clearance for movement by Rail. This scheme has found considerable patronage among the Importers/Exporters and Southern Railway has moved substantial quantum of Imported Commodities as detailed below :—

Sl. No.	Commodities	2013-14	
		Tonnage 000's	Earnings (₹ in Crores)
1	Imported Coal.. ..	9,866	473.05
2	Imported Fertilizer ..	999	79.88
3	Imported Limestone ..	2,886	240.44
4	Imported Dolomite ..	1,006	83.80
5	Imported H. R. coils ..	25	2.35
6	Imported Gypsum ..	284	28.45
7	Imported Iron Ore ..	502	28.63

2. The originating loading of high rated traffic, programmed traffic low rated traffic and other revenue traffic moved are furnished below :—

	Tonnes in Thousands		Earnings in Crores	
	2012-13	2013-14	2012-13	2013-14
a. High Rated Traffic	321	262	49.16	37.24
b. Programmed Traffic	30,973	35,154	1,734.19	1992.41
c. Low rated Traffic	2,048	2,321	166.20	211.91
d. Other Revenue Traffic	4,631	4,669	366.23	402.84

3. The originating goods loading over Southern Railway during 2013-14 was 42.403 Million Tonnes as against 37.974 Million Tonnes during 2012-13. Similarly the originating Goods Earnings during 2013-14 were Rs. 2,745.78 Crores as against Rs. 2,421.57 Crores during 2012-13.

4. Increase in Loading of commodities :

There was considerable increase in loading under the following commodities in 2013 - 14 compared to 2012 - 13.

Sl.	Commodity	2012-13	2012-13	2013-14	2013-14
		Tonnes	Earnings in lakhs	Tonnes	Earnings in lakhs
1	Iron & Steel	1,56,316	2,385.06	2,32,764	3,124.32
2	Iron & Ore	1,70,898	1,058.28	5,01,540	3,207.63

5. Automobile Traffic :

As a result of continuous liaison and effective marketing contacts with Automobile Traders, Southern Railway has moved 76 rakes with total revenue of ₹ 12.24 Crores during 2013-14.

6. Parcel

The Parcel loading during 2013-14 was 4.77 lakhs of tonnes with an earnings of ₹ 160.71 Crores as against 5.14 lakhs of tonnes with earnings of ₹ 146.30 Crores during 2012-13.

Under FSLR, AGC and round trip VP leasing scheme, Southern Railway had earned ₹ 56.50 Crores during the year 2013-14.



VII. यांत्रिक इंजीनियरी/MECHANICAL ENGINEERING

RING

Stock on Line

The particulars of Rolling Stock on line owned at the end of March 2014 as compared

to the previous year :—

As on 31st March 2014	Locomotives						Passenger and other Coaching Vehicles	Refrigerator B.G.	
	Broad Gauge			Metre Gauge N. M. R.					
	Elec. A. C. Locos	DSL. Locos	DSL. HYD. Locos	Elec.	Steam	DSL. Locos			
	B. G.	M. G.	B. G.						
Previous year 2012–2013	384	322	53	*	10	9	5,963	63	—
Current year 2013–2014	421	369	15	*	10	9	5,963	31	—

EMU's in 4 Coach units		
B. G., EMU, M. G.	T. C.	
245	494	
260	525	

As on 31st March 2014	Wagon in Units		Travelling C		
	B. G.	M. G.	BROAD GAUGE		
			Steam	Diesel	Hand
Previous year 2012-2013	9,676	281	..	5	..
Current year 2013-2014	9,589	267	..	6	..

METRE GAUGE		
am	Diesel	Hand
5	..	..
..	..	..

2. Additions and Renewal

Particulars	BROAD GAUGE	
	Additions	Replacement
LOCOS :		
Steam	..	..
Diesel	42 (#)	..
Electric	..	..
COACHES :		
Bogies	476	..
Locos	37	..
Coaches	MC TC	..
EMU Trailer Coaches	15 31	..
Transferred from other Railways	3..	..
Transferred to other Railways	..	..
WAGONS :		
Bogies	30	..

METRE GAUGE	
ions	Replacement
..	..
..	..
..	..
..	..
..	..
..	..
..	..

Out of 42 (a) 1 WDS 6 Converted from WDM2

(b) 2 WDM3D & 8 WDM3A received on Transfer from other Railway

(c) 31 New Locos received.

2.1 Wagon built by wagon building firms and Railway Workshop (2013-2014)

Name of the Firm	Type	No. in Vehicle units	No. in 4-Wheelers units
Broad Gauge Stock	Nil	Nil	Nil
M/s. Hindustan Engineering Industries Ltd. Kolkota	BRN BTPN	20 10	—
Modern Industries Ghaziabad			
M. G. STOCK	Nil	Nil	Nil

2.2 Goods Stock Transferred from other Railways

Railway	No. of vehicle	No. in 4-Wheeler units
—Nil—		

3. Locomotive (a) Steam Locos

As on 31st March 2014
Previous Year 2012
Current Year 2013

(b) Diesel Loco

As on 31st March
Previous Year 2012
Current Year 2013

Line with their Tractive efforts

Broad Gauge		Metre Gauge	
No.	Total Tractive Efforts (Kgs.)	No.	Total Tractive Efforts (Kgs.)
..	..	10	1,18,812
..	..	10	1,18,812

Broad Gauge		Metre Gauge	
No.	Total Tractive Efforts (Kgs.)	No.	Total Tractive Efforts (Kgs.)
352	96,69,210	9	1,72,800
384	1,11,43,410	9	1,72,800

(c) Electrical Locomotives on line with their tractive effort :-

Particulars	Broad Gauge	
	Nos.	Horse Power
As on 31st March Previous Year 2012-13.	WAM 4—30	1,09,200
	WAP1—33	1,25,400
	WAP 4—144	7,20,000
	WAG 7—81	4,05,000
	WAG5A/HA-91	3,50,350
	WAP7—5	30,600
Current year 2013-14	WAM 4—24	87,360
	WAP1—33	1,25,400
	WAP 4—148	7,40,000
	WAG 7—106	5,30,000
	WAG5A/HA-91	3,50,350
	WAP7—19	1,16,280

5. Goods Vehicles and carrying capacity

As on 31st March current year 2013-14	Public Traffic Wagons				Special wagons including Brake Vans No. in units	Depot. Railway Service wagons (No. in units)	Total Goods vehicles (No. in units)
	No. in units	Capacity in tonnes	No. in units	Capacity in tonnes			
Broad Gauge	5347	290197.5	3976	221797.2	266	..	9589
Metre Gauge (Incl. N. M. Railway)	247	8735.3	19	689.7	4	6	276

6. Diesel Rail Cars

As on 31st March 2014	(A) Motor Coaches		(B) Trailer Coaches	
	No. in units	Total Seats	No. in units	Total seats
Previous year 2012-13	..	..	..	..
Broad Gauge	..	..	..	..
Metre Gauge	..	..	..	..
Narrow Gauge	..	..	..	..
Current year 2013-14	..	..	..	..
Broad Gauge	..	..	..	..
Metre Gauge	..	..	..	..
Narrow Gauge	..	..	..	..

4. Coaches Vehicles and seating capacity (Except EMU)

As on 31st March current year 2013-14	Pass. Coaches (No. in units)	Other Coaching Vehicle (No. in units)	Total Seats			
			Air condition	Ist Class	II Class	
					Berths	Seats
Broad Gauge	5815	507	56140	1326	147660	430916
N.M. Railway	26	5	..	250	..	1060

8. Rolling Stock by Age Group

(a) Locomotives (Steam)

Age Group	Broad Gauge				Metre Gauge			
	Previous Financial Year		Current Financial Year		Previous Financial Year		Current Financial Year	
	2012-2013		2013-2014		2012-2013		2013-2014	
	No.	%	No.	%	No.	%	No.	%
1 to 5	..	..	..	..	..	..	..	..
6 to 10	..	..	..	..	..	..	..	..
11 to 15	..	..	..	..	..	..	..	..
16 to 20	..	..	..	..	..	..	..	..
21 to 25	..	..	..	..	..	..	..	..
26 to 30	..	..	..	..	..	..	..	..
31 to 35	..	..	..	..	..	..	..	..
36 to 40	..	..	..	..	..	..	..	..
Over 40	..	..	..	..	10	100.00	10	100.00
Total	..	..	..	..	10	100.00	10	100.00

Rolling Stock

(a) Electric Locomotive (Broad Gauge)

Age Group Years	2012-2013		2013-2014	
	Nos.	Percentage	Nos.	Percentage
Less than 1 Year	17	4.43	33	7.84
1 to 5 Years	58	15.10	67	15.91
6 to 10 Years	58	15.10	74	17.58
11 to 15 Years	91	23.71	91	21.62
16 to 20 Years	40	10.42	41	9.74
21 to 25 Years	78	20.31	73	17.34
26 to 30 Years	10	2.60	14	3.33
Above 30 Years..	32	8.33	28	6.64
Total	384	100.00	421	100.00

Electrical Multiple Units

Particulars	Motor Coaches		Trailer Coaches	
	Nos.	Horse Power	Nos.	Horse Power
As on 31st March 2012-2013	..	..	..	..
Broad Gauge	245	26215	494	48377
As on 31st March 2013-2014	..	..	..	..
Broad Gauge	260	27820	525	51413

7. Travelling Cranes

As on 31st March 2014	Steam Cranes		Diesel Cranes		Hand Cranes	
	No. in units	Capacity in Tonnes	No. in units	Capacity in Tonnes	No. in units	Capacity in Tonnes
Broad Gauge Previous year 2012-13	..	..	5	140T X 5	..	..
Broad Gauge Current year 2013-14	..	..	6	140T X 5	..	..
Metre Gauge Previous year 2011-12.	5	35TX5	..	..	..	..
Metre Gauge Current year 2012-13.	..	..	..	..	..	..

(b) Passenger Coaches

Age Group Years	Broad Gauge				Metre Gauge			
	Previous Financial Year 2012/13		Current Financial Year 2013/14		Previous Financial Year 2012/13		Current Financial Year 2013/14	
	No.	%	No.	%	No.	%	No.	%
1 to 5	1232	22.85	1475	24.97	..	..	..	..
6 to 10	1200	22.26	1330	22.52	..	..	..	..
11 to 15	1180	21.89	1119	18.74	1	4.0	..	..
16 to 20	1111	20.61	1189	20.12	..	..	..	..
21 to 25	629	11.67	735	12.44	24	96.0	..	..
26 to 30	39	0.72	61	1.03	..	..	..	..
31 to 35	..	..	..	..	..	..	..	..
Over 35	..	..	..	..	..	..	..	..
Total	5391	100.00	5907	100.00	25	100.00	..	..

(i) Motor Coaches

Age Group Years wise	2012-2013		2013-2014	
	Nos.	Percentage	Nos.	Percentage
Broad Gauge				
1 to 5 Years	44	17.96	53	20.38
6 to 10 Years	98	40.00	105	40.38
11 to 15 Years	40	16.33	43	16.54
16 to 20 Years	38	15.51	44	16.92
21 to 25 Years	17	6.94	15	5.78
26 to 30 Years	4	1.63	0	0
Above 30 Years	4	1.63	0	0
Total	245	100.00	260	100.00

(ii) Trailer Coaches

Age Group Years	Percentage	Nos.	Percentage
1 to 5 Years	15.38	96	18.29
6 to 10 Years	41.50	212	40.38
11 to 15 Years	17.61	85	16.19
16 to 20 Years	18.82	104	19.81
21 to 25 Years	4.86	28	5.33
26 to 30 Years	1.22	0	0
Above 30 Years	0.61	0	0
Total	100.00	525	100.00

(c) Wagons

General Services

Age Group Year	Previous Financial Year 2012-2013		Current Financial Year 2013-2014	
	No.	%	No.	%
1 to 5	..	..	..	..
6 to 10	318	4.04	..	..
11 to 15	2567	15.17	..	..
16 to 20	2242	45.89	..	..
21 to 25	2422	24.38	176	91.19
26 to 30	382	10.20	..	..
31 to 35	1	0.01	17	8.81
36 to 40	16	0.15	..	..
Over 40	10	0.16	..	..
Total	7958	100.00	193	100.00

Age Group Years	2012-2013		2013-2014	
	Percentage	Nos.	Percentage	Nos.
1 to 5 Years	15.38	96	18.29	96
6 to 10 Years	41.50	212	40.38	212
11 to 15 Years	17.61	85	16.19	85
16 to 20 Years	18.82	104	19.81	104
21 to 25 Years	4.86	28	5.33	28
26 to 30 Years	1.22	0	0	0
Above 30 Years	0.61	0	0	0
Total	100.00	525	100.00	525

Age Group Year	Previous Financial Year 2012-2013		Current Financial Year 2013-2014	
	No.	%	No.	%
1 to 5	..	..	..	..
6 to 10	318	4.04	..	..
11 to 15	2567	15.17	..	..
16 to 20	2242	45.89	..	..
21 to 25	2422	24.38	176	91.19
26 to 30	382	10.20	..	..
31 to 35	1	0.01	17	8.81
36 to 40	16	0.15	..	..
Over 40	10	0.16	..	..
Total	7958	100.00	193	100.00

9. Rolling Stock on line

(a) Overaged Steam Locomotives on line as on 31st March 2014

BROAD GAUGE													
Total Stock							Stock condemned in current financial year 2013-2014						
Type of Stock	Non-Re-placed	Re-placed	Total	Non-Re-placed	Re-placed	Total	Percentage of over-aged to total	Non-Re-placed	Re-placed	Total	Non-Re-placed	Re-placed	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Passenger	..	..	..	..	..	..	..	..	..	..	4	6	10
Mixed Goods	..	..	..	..	..	..	..	..	..	..	..	..	..
Light Goods and Miscellaneous.	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	..	..	..	4	6	10

METRE GAUGE

Stock condemned in current financial year 2013-2014						
Stock overaged	Re-placed	Total	Percentage of over-aged to total	Non-Re-placed	Re-placed	Total
16	17	18	19	20	21	22
6	10	..	..	..	..	..
..	..	..	..	..	..	..
..	..	..	..	..	..	..
6	10	..	..	..	..	..

(b) Number of locomotives put off and new locomotives put on line during the year 2013-2014.

Particulars	BROAD GAUGE			METRE GAUGE		
	Steam	Diesel	Electric (A/C.)	Steam	Diesel	Electric (A/C.)
1. No. of locomotives taken off the line	..	42	6	..	..	..
2. No. of locomotives placed on line	..	32	43	..	..	..
3. No. of locomotives permanently transferred from other Railway.	..	10	..	..	..	..
4. No. of locomotives permanently transferred to other Railway.	..	..	..	..	..	..

(c) Overaged Coaching Stock on line as on 31st March 2014 —Broad Gauge – Coaches

Sl. No.	Particulars	Total stock owned		Stock Over Aged			Percentage of overaged to total Stock on live	Stock condemned during the current financial year 2013-2014				
		Non-Replaced	Replaced Total	Non-Replaced	Replaced	Total		Non-Replaced	Replaced	Total		
BROAD GAUGE—COACHES												
1.	Air-conditioned class	976	..	976	9	..	9	0.03	6	..	6	
2.	Upper Class (First)	34	..	34	4	..	4	0.06	..	..	..	
3.	Composite Class	..	..	..	..	..	..	0.00	..	..	..	
4.	Lower Class (Second).	4,805	..	4,805	77	..	77	1.22	102	..	102	
5.	Tourist Car Inspection. Carriage and Dining Cars.	168	..	168	..	..	..	0.00	..	..	..	
6.	All other coaching Vehicles excluding these under item 5. & PPS.	339	..	339	12	..	12	0.19	10	..	10	
Total		..	6,322	..	6,322	102	..	102	1.61	118	..	118
Trailer Coaches DMU., DTC & TC Coaches												
Diesel Power Coaches		0	0	0	..	..	..	..	..	..	..	
Trailer Coaches TC		59	0	59	..	..	..	..	..	..	..	
Diesel Trailer Coaches DTC		6	0	6	..	..	..	..	..	..	..	
Total		..	65	0	65	..	..	..	..	..	..	

Particulars	Total stock owned			Stock Over Aged			Percentage of overaged to total stock on line	Stock condemned during the current financial year 2013-2014		
	Non-Replaced	Replaced	Total	Non-Replaced	Replaced	Total		Non-Replaced	Replaced	Total
METRE GAUGE—COACHES										
1. Air-conditioned Class.	..	..	..	..	..	..	..	..	..	..
2. Upper Class (First)	..	..	..	..	..	..	..	1	..	1
3. Composite Class	..	..	..	..	..	..	..	..	..	..
4. Lower Class (Second)	..	..	..	..	..	..	..	24	..	24
5. Tourist Car Inspection Carriage and Dining Cars.	..	..	..	..	..	..	..	3	..	3
6. All other coaching Vehicles excluding these under item. 5 & PPS	..	..	..	..	..	..	..	1	..	1
Total	..	..	..	..	..	..	..	29	..	29

DIESEL RAIL CARS

Driving Trailers YRD	..	..	..
Trailers YRD	..	..	..
Total	..	..	..

RAIL BUS

YRB	1	0	1
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(d) Overaged wagon stock on line as on 31st March 2014 (Broad Gauge wag

Type of Wagons	Stock on Line			Stock Overaged			Percentage of overstock on
	Non-Replaced	Replaced	Total	Non-Replaced	Replaced	Total	
BROAD GAUGE—WAGONS							
1. Covered	4865	0	4865	30	0	30	0
2. Open	3015	0	3015	9	0	9	0
3. Brake-vans	266	0	266	10	0	10	0
4. Tank Wagons	477	0	477	216	0	216	0
5. Special Stock	730	0	730	36	0	36	0
6. Railway Service Wagons.	0	0	0	0	0	0	0
Total	9589	0	9589	301	0	301	

Particulars	BROAD GAUGE	
	Coaches	Wagons
Number put off the line during the year 2012-2013.	402	30
Number put on line during the year 2013-2014.	479	30

10 (a) Locos under or Awaiting Repairs

Details	Year	Average	Average under		In Mechanical		St. Shed w J
		No. on line	Repairs	%	Workshops	%	
BROAD GAUGE 2012-2013							
Diesel Electric	..	297.00	25.30	8.52	6.7	2.26	..
Diesel Hydraulic	..	15.81	0.81	5.12	..	..	..
Electric	..	376.46	30.66	8.14	5.00	1.33	..
Total	..	689.27	56.77	8.24	11.70	1.70	..
METRE GAUGE 2012-2013							
Steam	..	10.00	3.25	32.50	2.30	23.00	..
Diesel Electric	..	13.00	0.00	0.00	0.00	0.00	..
Diesel Hydraulic	..	..	..	..	..	..	..
Electric	..	..	..	..	..	..	..
Total	..	23.00	3.25	14.13	2.30	10.00	..
BROAD GAUGE 2013-2014							
Diesel Electric	..	342.18	27.04	7.90	7.98	2.33	..
Diesel Hydraulic	..	12.11	1.04	8.59	0.00	0.00	..
Electric	..	402.76	33.24	8.25	5.09	1.26	..
Total	..	757.05	61.32	8.10	13.07	1.73	..
METRE GAUGE 2013-2014							
Steam	..	11.00	4.06	36.91	3.08	28.00	..
Diesel Electric	..	5.00	0.00	0.00	0	0.00	..
Diesel Hydraulic	..	..	..	..	..	..	..
Electric	..	..	..	..	..	..	..
Total	..	16.00	4.06	25.38	3.08	19.25	..

Stock condemned during the current financial year 2013-14		
Non- Replaced	Replaced	Total
17	..	17
70	0	70
0	0	0
8	0	8
22	0	22
0	0	0
117	0	117

METRE GAUGE	
Coaches	Wagons
0	0
0	0

%	In Shed and Transportation Workshops		In Transit	
	No.	%	No.	%
..	18.6	6.26	..	..
-	0.81	5.12	..	..
-	25.66	6.82	..	..
-	45.07	6.54	..	..
-	0.95	9.50	..	..
-	0.00	0.00	..	..
..	..	..	..	..
..	..	..	..	..
-	0.95	4.13	..	..
-	19.06	5.57	..	..
-	1.04	8.59	..	..
-	28.15	6.99	..	..
-	48.25	6.37	..	..
-	0.98	8.91	..	..
-	0	0.00	..	..
..	..	..	..	..
..	..	..	..	..
-	0.98	6.13	..	..

(b) Coaching stock under or Awaiting Repairs

Type	Year	Average No. on line (in Units Vehicle)	Average under Repairs		In Mechanical Workshops		In sick lines and Transportation		Stabled Awaiting Workshop Repairs		In Transit	
			No.	Percentage	No.	Percentage	No.	Percentage	No.	Percentage	No.	Percentage
BROAD GAUGE												
Passenger	2012-2013	5331	383.58	7.20	218.79	4.11	58.73	1.10	53.03	0.99	52.93	0.99
Coaching	2013-2014	5644	328.13	5.81	180.26	3.19	52.23	0.93	49.90	0.88	45.75	0.81
Vehicles												
Other	2012-2013	330	24.63	7.46	11.84	3.59	3.43	1.04	6.12	1.85	3.24	0.98
Coaching	2013-2014	341	18.27	5.36	9.91	2.91	2.62	0.77	3.55	1.04	2.19	0.64
Vehicles—												
All	2012-2013	5661	399.70	7.06	174.18	4.08	62.16	1.10	59.15	1.04	47.66	0.84
Coaching	2013-2014	5985	346.40	5.79	230.73	3.18	54.85	0.92	53.45	0.89	47.94	0.80
Vehicles—												

Type	Year	Average	Average under		In Mechanical		In sick lines and		Stabled Awaiting		In Transit	
		No. on line (in Units Vehicle)	No.	Percentage	No.	Percentage	No.	Percentage	No.	Percentage	No.	Percentage
METRE GAUGE												
Passenger	2012-2013	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coaching	2013-2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vehicles—												
Other	2012-2013	0	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00
Coaching	2013-2014	0	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00
Vehicles—												
All	2012-2013	28	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0.00	0.00
Coaching	2013-2014	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0.00	0.00	0.00
Vehicles—												

(c) Wagons under or awaiting Repairs

Year	Average No. on line (8 Wh.)	Average under Repairs		in Mechanical Workshops		In sick line and Transportation		Stabled awaiting workshop repairs	
		No.	Percentage	No.	Percentage	No.	Percentage	No.	Percentage
		BROAD GAUGE							
2012-2013	8,841	675.17	7.64	100	1.13	267	3.02	308.17	3.49
2013-2014	9,527	785.25	8.24	99	1.04	307	3.22	379.25	3.98
		METRE GAUGE							
2012-2013	0.00	0	0.00	0	0.00	0	0.00	0	0.00
2013-2014	0.00	0	0.00	0	0.00	0	0.00	0	0.00

11. Rolling Stock Turned out after repairs from workshops**(a) Locomotives — (Steam Loco)—Metre Gauge**

Details	Heavy repairs Periodical overhaul	IOH	Special repairs	Total	Equivalent Std. I Class Unit repairs	Average number of days taken for POH	
						Calender days	Working days excluding Sundays and Shop Holidays
Previous Financial Year 2012-2013	—	..	..	—	—	—	—
Current Financial Year 2013-2014	..	..	..	..	..	..	..
The kilometres between periodical overhaul of loco No.			Nil.				
Previous Financial Year 2012-2013	..	..	Nil.				
The kilometers between periodical overhaul of loco No.			Nil.				
Current Financial Year 2013-2014	..	..	Nil.				

(b) Over aged coaching and wagon stock on line as on 31st March 2014

I. Under or awaiting repairs

Particulars in a Locos	Average on line		Average under repairs		In Mech. W. Shop Car W. Shop		Stabled in awaiting W.
(a) Locos							
Broad Gauge	Nos.	%	Nos.	%	Nos.	%	Nos.
2012-2013	376.46	100	Coaching 21.02	10.04	..	..	..
			Goods 16.90	10.12			
2013-2014	402.76	100	Coaching 21.60	9.74	..	..	..
			Goods 19.41	10.73			

(b) Coaches stock under or awaiting Repairs—EMU Broad Gauge

2012-2013	241.67	100	18.38	7.60	..	..	..
2013-2014	254.09	100	16.63	6.54	..	..	..

C & D Rolling Stock Turned out after repairs from workshops (b) Coaches in

			Previous Financial Year 2012-2013			
Shop	Activity	Periodical Over hauling	Off Schedule		Total	Period Over h
			Over Rs. 100	Below Rs. 100		
BROAD GAUGE						
Perambur Carriage Works —						
Passenger Coaches	PCVs	1746	113	0	1859	171
Other Coaches	OCVs	213	0	0	213	24
	Total	1959	113	0	2072	195
Perambur Loco Works—						
Passenger Coaches	PCVs	525	2.7	0	527.7	51
Other Coaches	OCVs	0	0	0	0	0
	Total	525	2.7	0	527.7	51
	DTC/TCs of DEMU	47	0	0	47	50
Golden Rock Workshops —						
Passenger Coaches	PCVs	785	75.0	0	860	848
Other Coaches	OCVs	0	0	0	0	45
	Total	785	75.0	0	860	893

Rolling Stock Turned out after repairs from workshops (b) Coaches in VUs.

Shop	Activity	Periodical Over hauling	Previous Financial Year 2011-2012				Period Over ha
			Off Schedule		Total		
			Over Rs. 100	Below Rs. 100			
			METRE GAUGE				
Gold Rock Workshop—							
Passenger Coaches	PCVs	14	0	0	14	10	
Other Coaching Vehicles	OCVs	1	0	0	1	0	
	Total	15	0	0	15	10	

(e) Rolling Stock Turned out after Repairs from Workshops (c) Wagons in VUs.

Gauge	Shop	Periodical Overhaul	2012-2013		Total	Pe O
			Off. Schedule			
Broad Gauge	CW/PER	..	2,701	0	2,701.0	
	GOC	..	0	0	0	
	Total	2,701	0	0	2,701.0	
Metre Gauge	GOC..	..	0	0	0.0	

Note :—PCVs – Passenger Coaching Vehicles, OCVs – Other Coaching Vehicles.

Installed and Transportation		Locos in Transit	
Nos.	%	Nos.	%
Coaching 21.02	10.04	..	..
Goods 16.90	10.12		
Coaching 21.60	9.74	..	..
Goods 19.41	10.73		

18.38	7.60	..	..
16.63	6.54	..	..

Previous Financial Year 2013-14		
Off Schedule	Total	
Over Rs. 100	Below Rs. 100	

115.5	0	1828.5
0	0	242
115.5	0	2070.5

1.8	0	512.8
0	0	0
1.8	0	512.8

0	0	50
---	---	----

80	0	928
0	0	45
80	0	973

Financial Year 2013-2014		
Off Schedule	Total	
Over Rs. 100	Below Rs. 100	

0	0	10
---	---	----

0	0	0
---	---	---

0	0	10
---	---	----

2013-2014		
Off. Schedule	Total	

15	0	2,425
----	---	-------

0	0	0
---	---	---

15	0	2,425
----	---	-------

..	..	0
----	----	---

(f) Average number of calendar days taken for repairs in shops (for periodical overhaul) per vehicle for the last two years were as under :—

Activity Year	Shop Year	Broad Gauge		Metre Gauge	
		Previous Financial Year	Current Financial Year	Previous Financial Year	Current Financial Year
		2012-2013	2013-2014	2012-2013	2013-2014
PCVs	CW/PER	14.7	10.8	..	..
	LW/PER	12.32	16.63	..	..
	GOC	19.0	17.3	..	16.2
OCVs	CW/PER	17.8	9	..	..
	LW/PER	..	..	..	..
	GOC	13.0	8.2	..	..
WAGONS	CW/PER	4.0	4.6	..	..
	LW/PER	..	..	..	..
	GOC	..	..	..	..

(g) POH Unit Cost of Repairs

Stock	Shop	—	Broad Gauge		Metre Gauge		
			Previous Financial Year 2012-13 (Actuals)	Current Financial Year 2013-14 (Actuals)	Previous Financial Year 2012-13 (Actuals)	Current Financial Year 2013-14 (Actuals)	
Average cost of repairs per Passenger Carriage (In FWUs)							
PCV-POH	CW/PER	AC	794	861	No Activity		
		Non-AC	805	872			
	LW/PER	Non-AC	671	723			
	GOC	AC	890	952			
		Non-AC	733	857	489	514	
Driving Trailer coach of DEMU-POH	LW/PER		916	1094	No Activity		
Trailor coach of DEMU-POH	LW/PER		649	641			

Average cost of repairs per Other Carriage (In 8 Wheeler)

OCVs-POH	CW/PER		729	821		
	LW/PER		..	..		
	GOC		548	555	331	..

Average cost of repairs per Wagon (In FWUs)

Wagons – POH	CW/PER		208.5	268	No Activity	
	GOC		..	..	..	..

Rolling Stock Planned Out After Repairs (In Lakhs of Rs.)

	Years	Broad Gauge
i. Average cost of maintenance and repairs per locomotives (Electrical) without POH cost.	2012-13 2013-14	23.59 24.67
ii. Average cost of maintenance and repairs of EMU Coach Unit.	2012-13 2013-14	26.56 26.49

(g) POH Unit Cost of Repairs

Stock	Shop	—	Broad Gauge		Metre Gauge	
			Previous Financial Year	Current Financial Year	Previous Financial Year	Current Financial Year
			2012–13 (Actuals)	2013–14 (Actuals)	2012–13 (Actuals)	2013–14 (Actuals)
Unit repair cost (per loco)						
Steam Loco	GOC	..	..	..	5382	..
Driving Power Car of DMU	LW/PER	..	3363	2955	No Activity	
Dsl. Hyd.		..	..			
AC Electric		..	8236	10386		
Dsl. Elec.	GOC	..	8720	10275	6910	6910

12. LOCOMOTIVES, COACHES & WAGONS OVERDUE REPAIRS

Rolling Stock	Type	Broad Gauge				Metre Gauge			
		Current financial Year as on 31-03-2013		Current financial Year as on 31-03-2014		Current financial Year as on 31-03-2013		Current financial Year as on 31-03-2014	
		No.	%	No.	%	No.	%	No.	%
Locos	(a) Steam	Nil	Nil	Nil	Nil	2	0.2	2	0.20
	(a) Dsl. Electric	1	0.33	..	..	..	..	..	..
	(c) Dsl. Hydraulic	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Coaches (In VUs)		1	0.11	26	0.41	..	..	..	..

(b) ENGINE FAILURES – DIESEL-LOCOS

Gauge	Type	Year	Total No. of failure	Average	Failure under various service			Engine KMs per engine failure (various services)		
					Pass	Mixed	Goods	Pass	Mixed	Goods
B. G.	Dls. Electric	2012-13	126	293504	111	..	15	259770	@@	543137
		2013-14	102	399636	87	..	15	342513	@@	526955
	Dsl. Hydraulic	2012-13	..	320 (*)	..	..	..	@@	@@	320 (*)
		2013-14	..	..	..	..	..	@@	@@	..
M. G.	Dls. Electric	2012-13	..	131608 (*)	..	..	..	131608 (*)	@@	..
		2013-14	..	55404 (*)	..	..	..	55404 (*)	@@	..
	Dsl. Hydraulic	2012-13	..	..	..	..	..	..	..	..
		2013-14	..	..	..	..	..	..	..	..

Note : (*) Denotes total engine Kms without failure

(@@) There is no service

13. (a) ENGINE FAILURES STEAM-LOCOS

Year	Total No. of engine failure	Average Kms per engine failures	Engine failures under various services			Engine failures under various services		
			Pass.	Mixed	Goods	Pass.	Mixed	Goods
2012-13	2	10326	2	..	..	10326	..	..
2013-14	3	6433	3	..	..	6433	..	..

Engine Failures (Electrical) 2012-2013 and 2013-2014

Year	Total No. of engine failure	Average Kms. per engine failure	Failure under various service		
			Passenger	Mixed	Goods
<u>BROAD GAUGE</u>					
2012-2013	36	20.05	28	..	8
2013-2013	46	16.82	45	..	1

Energy and Amount particulars of traction and Non-traction

Sl. No.	Description	
1	Traction consumption in million units	
2	Non-traction consumption in million units	
3	Total in million units	
4	Traction amount paid ₹ in crores	
5	Non-traction amount paid ₹ in crores	66.58
6	Total ₹ in crores	
7	Traction Average rate ₹./kwh	
8	Non-traction average rate ₹./kwh	
9	Total	

14. Hot Boxes

Stock	Gauge	Year	Total No. of Hot Boxes	Responsibility	
				Southern Railway	F. Railway
Coaches	BG	2012-13	2	1	1
		2013-14	2	1	1
	MG	2012-13	..	..	..
		2013-14	..	..	..
Goods	BG	2012-13	37	13	24
		2013-14	37	5	32
	MG	2012-13	..	..	..
		2013-14	..	..	..

Note.— (+) Denotes increase in the figures.

(–) Denotes decrease in the figures.

15 Shedwise yearly outage—2013-2014 B. G.

Month	TARGET								
	ED	GOC	ERS	TNP	TOTAL	ED	GOC	ERS	TNP
April ..	38.9	26.8	6.3	0.7	72.7	37.40	29.70	3.60	0.70
May ..	33.7	28.4	10.7	0.7	73.5	36.10	27.70	9.20	0.90
June ..	36.4	25.7	5.3	0.7	68.1	36.70	26.10	6.30	0.30
July ..	39.1	29.3	1.7	0.6	70.7	39.30	29.90	4.20	0.00
August ..	36.3	28.5	5.8	7.3	79.9	39.50	29.00	6.40	0.20
September	31.8	31.4	5.8	7.3	76.3	36.90	28.50	5.90	0.90
October ..	35.3	32.2	5.9	4.6	78.0	33.50	31.70	6.00	0.10
November	36.7	31.6	5.9	4.6	78.8	38.30	30.90	5.80	0.80
December	38.6	36.1	2.3	2.9	79.9	37.90	36.70	2.90	0.10
January ..	32.9	33.9	4.9	2.8	74.5	33.30	35.30	3.50	0.00
February..	36.9	37.4	4.1	2.0	80.4	34.00	35.90	3.30	0.40
March ..	40.3	39.2	5.6	2.8	87.9	35.60	38.50	3.00	0.00
Total ..	436.9	380.5	64.3	37.0	918.7	438.5	378.9	60.1	0.4
Average	36.4	31.7	5.4	3.1	76.6	36.5	31.6	5.0	0.0

Engine kms./per engine failure various services		
Passenger	Mixed	Goods
15.98	..	34.32
10.42	..	304.78

Year	
2012-13	2013-14
1751	1045.140
1984	119.897
1735	1165.037
1842	666.679
3.40	80.44
3.48	747.12
6.18	6.38
6.59	6.71
6.38	6.41

Id	No. per Percentage variation over previous year	One million wagon Kms. and Ten Million Vehicle Kms.
	(–) 75 %	0.08
	0 %	0.06
	..	..
	..	..
	(+) 23.33 %	0.83
	0 %	0.59
	..	..
	..	..

JAL		
TNP	GP	TOTAL
1.70	5.70	77.60
0.90	5.40	79.30
0.30	3.70	73.10
0.00	3.00	78.40
0.20	2.30	83.40
0.90	6.50	83.70
0.10	6.00	83.30
0.80	5.40	84.20
0.10	4.00	83.10
0.00	5.30	79.40
0.40	6.90	82.50
0.00	6.10	86.20
0.4	60.3	974.2
0.0	5.0	81.2

VIII. बिजली इंजीनियरी/ELECTRICAL ENGINEERING

1. Electrical Energy Generation, Purchase, Sales and Consumption.

The following are the figures pertaining to the years 2012-13 and 2013-14 and KWH in Millions :—

Sources of Power	Generated (sent out from bus bars)	Purchase		Total	
		2012-13	2013-14	2012-13	2014-15
Energy Purchase from State Electricity Board in million Unit					
(a) General Service					
	(i) Tamil Nadu	96.333	100.028	..	..
	(ii) Andhra Pradesh ..	0.638	0.606	..	..
	(iii) Karnataka	1.658	1.844	115.984	119.897
	(iv) Kerala	17.355	17.419	..	..
(b) Traction Services					
	(i) Tamil Nadu	710.632	765.900	..	..
	(ii) Andhra Pradesh ..	78.450	78.450	..	..
	(iii) Karnataka	..	..	962.751	1045.140
	(iv) Kerala	173.668	200.780	..	..
Total		..	..	1078.73	1165.037

2. Unit Cost of Generation and Purchases

a. For Generated Energy :		There is no generating Stations on this Railway		
b. Purchase of Energy Particulars		Units	2012-13	2013-14
(i) Energy Purchase	In Million kWH	1078.73	1165.03	
(ii) Total Cost	(₹ in Crores)	603.482	747.12	
(iii) Average rate per kWH		5.59	6.41	

3. Analysis of total electrical energy consumed for various services in terms of percentage of the total energy purchase 2013-14

	Percentage
a. Major workshops (13.872 Million Units)	1.19
b. Non-rent returning buildings (This includes Division Offices, Hospitals, Stations, Yards, Loco sheds, Carriage Maintenance Depots, Stores Depots, RPF out posts etc., for which).	
(i) Water Supply Installations (11.142 mu) ..	0.95
(ii) Service Buildings (52.688 mu) ..	4.52
(iii) Yard lighting (2.312 mu) ..	0.20
(iv) Hospital (5.705 mu) ..	0.50
c. Staff quarters and staff welfare buildings, (34.148 mu).	2.93
Traction Services (1045.140 Million Units)	89.71

4. Generating and Purchasing Stations as on 31st March 2014.

Generating Stations : There are no generating stations on this Railway, However, Diesel generating sets of capacities varying from 10kVA to 500kVA are provided at important installations as standby source of supply during interruption of supply from the State Electricity Board sources. Following are the particulars :—

Particulars	No. of DG sets	Cap. in kVA	Purchasing Stations of Supply Points	
			HT	LT
As on 31st March 2013	254	19,286	82	3170
As on 31st March 2014	254	19,286	87	3170

5. Electrical Traction Distribution (2012-13)

	Upto 31st March 2013	Upto 31st March 2014
1. Total Route km. Electrified	2,056	2,156
2. Total Track km. Electrified	4,667	4,967

6. A. C. Electric Locomotives

Particulars		Broad Gauge (average for the year)	
		2012-13	2013-14
(i) Total No. of Engine on line ..	..	376.46	402.76
(ii) No. of Engine in use (average per day).	..	..	..
a. Goods Service ..	..	150.12	161.50
b. Passenger Service ..	..	188.42	200.25
c. Shunting ..	..	..	..
d. Departmental ..	..	..	..
e. Banking ..	..	..	..
f. Spare ..	..	0.26	0.63
Total average per day	..	388.60	363.38
(iii) Engine km/day/Engine in line ..	..	585	587
(all services).	..	..	..
(iv) Engine km/Day/Engine in use ..	..	622	691
(all services).]	..	..	..
(v) Total No. of failure	..	..	..
a. Passenger Service ..	..	28	45
b. Goods Service ..	..	8	1
(vi) Engine km/Engine failure	..	..	..
a. Passenger Service ..	..	1597867	1042634
b. Goods Service ..	..	3432450	30477696
(vii) Total km (Passenger and goods service).	..	72199879	77396220

7. Suburban Electric Multiple Unit Stock—Broad Gauge

	2012-13	2013-14
Holding as on 31st March 2014		
a. In terms of 4 Units (4 Coaches WAU-1type)	245	260
b. In terms of Coaches (Motor Coaches and trailer Coaches).	494	525
c. Break up of Coaches :—No. of Coaches	..	..
Motor Coaches ICF Coaches		
238		
(i) Kms. run in terms of single units	33342104	34227576
(ii) Total No. of Failure ..	3	4
(iii) Kms/Motor Coaches failure ..	11114035	8556894

8. Electrical General Services Particulars

		2012-13	2013-14
(i) Generating, Converting and transforming Plants.	Nos.	335	340
Transformer capacity in	kVA	151563	152513
(ii) Total connected loads of installations purchasing power from outside sources in kw. (in thousands).		176686	178865
(iii) Electrification of stations including block huts		728	728
(iv) Total No. of Motors (other than pump motors in service in major workshops, TL depots, divisional electrical repair shops, Printing Press, etc..)	Nos.	4895	4884
	Capacity	38504	38375
(v) Electrical driven pump	Nos.	1702	1759
	Capacity	10880	38375
(vi) Electrified Quarters	Nos.	27776	27652
Lights		160742	160742
Fans		54931	55931
Plugs		85407	86409
(vii) Service Buildings		114933	120974
Lights		32489	38733
Fans		28117	35294
Plugs			

	2012-13	2013-14
(viii) AC plants and refrigeration's equipments		
AC Plants Nos.	2270	2273
Capacity Tons	5192	5196
Refrigerators Nos.	948	955
Capacity Ltrs.	158475	158485
(ix) Water coolers Nos.	703	748
Capacity Ltrs.	92010	98790
(x) Air Compressors Nos.	88	120
Capacity of Motors in HP	2391	2780
(xi) Welding sets Nos.	821	845
Capacity in Amps	123280	123910
(xii) Battery Chargers Nos.	1015	1019
Capacity in Amps	76618	76843
(xiii) Other installations, Miscellaneous viz., Geysers, Water distilling plants etc., Nos.	632	635
(xiv) Flood light towers in yards—		
No. of Towers	386	377
No. of Projectors	1508	1485
Wattage kW	3850	3650
(xv) Length of Transmission line (Other than Traction) km.		
HT OH	54	54
UG	190	191
LT OH	1150	1150
UG	931	934
(xvi) Power line Crossings Nos.	2769	2769

8.A. Train Lighting and Air-conditioning

(a) *Train lighting*— The Train Lighting and Air-conditioning services in coaches were maintained satisfactorily. The population of B.G. Train Lighting coaches as on 31st March 2014 are furnished as follows.

Self Generation AC Coaches Population—

Sl. No.	Type of coaches	Population
1	FAC	9
2	FACCW	60
3	ACCW	234
4	CZAC	37
5	ACCN	470
6	SWGAC	3
7	SWGACCN	5
8	SWGAC	3
	Total	821

(b) Shatabdi/Jan Shatabdi/Garbrath/Duronto Exp.Coaches—

1	FCZACEN	2
2	CZACEN	12
3	WLRRM	9
4	CZ ACJ	10
5	CZACH	4
6	WLRRMDAC	6
7	LCZAC	11
8	LFCZAC	2
9	SWGAC	3
10	LWFAC	3
11	LWACCW	2
12	LWACCN	4
13	WACCW	10
14	WACCN	19
15	WFAC	4
16	LWLRRM	6
17	WCBAC	5
18	ACCNH	30
19	LWCZDAC	10
20	LWCBAC	1
	Total	153

Introduction of New Trains for the period from 31-3-2013 to 31-3-2014.

1. T. No. 16616/16615 Coimbatore-Mannargudi (Daily) Chemmozhi Exp.

Train No. 16616 Coimbatore- Mannargudi Exp. (Daily)	↓	Station	↑	T. No. 16615 Mannargudi- Coimbatore Exp. (Daily)
23.55	D	Coimbatore	A	05.00
07.55	A	Mannargudi	D	20.10

Commercial Stoppages :-Coimbatore North, Tiruppur, Erode, Karur, Tiruchchirappalli Jn., Thanjavur, Nidamangalam.
Composition : FACCW-1, ACCN-1, GSCN-6, GS-6, SLR/SLRD-2=16 Coaches PM: CBE
Date of introduction : 11-06-2013

2. T. No. 16181/16182 weekly) Silambu Exp.

Train No. 16182 Chennai Egmore- Manamadurai (Bi-Weekly) Exp.	↓
Wed, Sat. 20.20	D
Thu, Sun. 07.45	A

Commercial Stoppages
Melmaruvathur, Villupuram, Pudukottai, Chettinad, Kar

Composition : ACCW-1,
2=17Coaches PM: M

Date of introduction : 2

3. T. No. 16861/16862 P

Train No. 16861 Puducherry- Kanniyakumari Exp. (weekly)	↓
Thu. 11.30	D
Fri. 03.15	A

Commercial Stoppages
Melmaruvathur, Tindivanam, Chidambaram, Sirkhaz, Kumbakonam, Papanas

Composition : ACCW-1,
Coaches PM: VM

Date of introduction : 15

4. T. No. 16183/16184

Train No. 16183 Chennai Egmore- Thanjavur Exp.	↓
23.30	D
07.15	A

Commercial Stoppages
Melmaruvathur, Tindivanam, Chidambaram, Sirkhaz, Kumbakonam, Papanas

Composition : ACCW-1,
Coaches PM: MS

Date of introduction : 0

5. T. No. 22631/22632 Superfast Exp. (Via B

Train No. 22631 Chennai Central- Bikaner weekly Superfast Exp.	
Thu 21.10	D
Thu 23.30/23.35	
Sat 10.45/10.55	
Sat 18.00	A

Commercial Stoppages
Vijayawada Jn. Khairatabad, Kaghaznagar, Ballari, Bairagarh, Sehore, Shri Sai, Sawai Madhopur Jn., Bikaner, Makrana Jn., Degana, J

Composition : LWFAC
Coaches PM: MA

Date of introduction : 2

ai Egmore-Manamadurai (Bi-

Station	↑	T. No. 16181 Manamadurai- Chennai Egmore (Bi-Weekly) Exp.
Chennai Egmore	A	Fri, Mon. 06.05
Manamadurai	D	Thu, Sun. 20.15

Palam, Tambaram, Chengalpattu, Tirudhachalam, Tiruchchirappalli, Devakottai Road, Sivaganga.

-1, GSCN-6, GS-6, SLR/SLRD-

013

erry-Kanniyakumari (weekly) Exp.

Station	↑	T. No. 16862 Kanniyakumari - Puducherry Exp. (weekly)
Puducherry	A	Sat. 05.25
Kanniyakumari	D	Fri. 13.35

Palam, Tambaram, Chengalpattu, Villupuram, Panruti, Cuddalore Port, Viladuthurai, Kuttalam, Aduthurai,

1, GSCN-5, GS-6, SLR/SLRD-2=16

13

Chennai Egmore-Thanjavur (Daily) Exp.

Station	↑	T. No. 16184 Thanjavur- Chennai Egmore Exp.
Chennai Egmore	A	04.55
Thanjavur	D	20.45

Palam, Tambaram, Chengalpattu, Villupuram, Panruti, Cuddalore Port, Viladuthurai, Kuttalam, Aduthurai,

-1, GSCN-9, GS-4, SLR/SLRD-2=17

013

Chennai Central-Bikaner (Weekly) AC

Station		T. No. 22632 Bikaner-Chennai Central weekly Superfast Exp.
Chennai Central	A	09.55 Tue
Gudur	(T)	07.03/07.05 Tue
Jaipur		21.30/21.40 Sun
Bikaner	D	13.50 Sun

ullurpeta, Gudur Jn. Nellore, Ongole, Warangal, Ramagundam, Sirpur, Chandrapur, Nagpur, Etarsi, Bhopal, Ujjain, Nagdha, Shamgarh, Kota Jn. Niwai, Durgapura, Jaipur Jn. Phulera, Nokea, Bikaner Jn.

ACCW-3, LWACCN-9, LWLRRM-2=15

2014

Augmentation (Addition/deletion) in the rake link in the composition of Express trains during the period 2013-2014

Sl. No.	Train No.	From	To	Date of Introduction	Type of AC/ TL coaches	Frequency	Total No. of coaches
1	16349/50	TVC	NIL	09-11-13	GSCN-1	Daily	8
2	12693/94	MS	TN	02-07-13	ACCW-1, GSCN-2	Daily	23
3	12631/32	MS	TEN	03-07-13	ACCN-1	Daily	24
4	12639/40	MAS	SBC	04-07-13	GS-2 (-CZAC-2)	Daily	24
5	16093/94	MAS	LJN	28-01-14	ACCN-1, GSCN-1	Bi-weekly	18
6	16031/32	MAS	JAT	02-02-14	GSCN-1	Tri-weekly	21

Introduction of Incentive Scheme
Progress of introduction of Incentive Scheme :—

Sl. No.	Position as on 31st March 2014	Name of Workshops	
		Perambur	Ponmalai
1	Total strength to be brought under incentive.	938	335
2	Total No. of men put on incentive in any month during the year.	784	291
3	Balance yet to be covered	154	58
4	Probable date by which the remaining men are to be covered.	The non-incentive men are utilized for non-repeated nature of work and the percentage is more. As and when necessity arises, this men will be covered.	
5	Additional lines of production under taken to fully utilize the staff that were declared surplus in the various sections brought under the scheme.	In TLW and LTL shops modifications for passenger amenity are carried out namely IC to FL fitting PABT, Chart light fittings, Laptop charger, extra fans, emergency lights etc. in AC/EW pantry, car equipments POH ed.	
6	Average bonus earned per head per day.	₹ 84.55	₹ 112.92
7	Average increase in productivity during the year 2013-14 the period to the introduction of incentive scheme (In Units).	211 Coach/422 Units # # #	Both AC and Non-AC productivity is not increased. 1500 IOH bogies completed.

- CW and LW are Maintenance/Service shop.

- Staff are deputed to Electrical Milwright shop.

9. Financial Position-Electrical Department
A. Revenue Budget As per the demands for Grants:—

(Figs. in Lakhs of ₹)

Demand Number and Description	Budget grant 2014-15	Final grant 2013-14
Demand No. 5 Repairs and Maintenance of Motive Power (Electric Loco)	12,769	12,609
Demand No. 6 Repairs and Maintenance of Carriages and Wagons- EMU, TL and AC	32,396	28,538
Demand No. 7 Repairs and Maintenance of Plants and Equipments	19,606	17,736
Demand No. 8 Operating Expenses-Rolling stock and Equipments	31,326	31,082
Demand No. 10. Operating Expenses-Fuel for Electric Traction	70,179	63,018
Demand No.11 Staff Welfare and Amenities - Supply of Energy for Power & lighting (J 580)	2,041	1,994
Total	1,68,317	1,54,977

B. Works Budget:—

(Figs. in Lakhs of ₹)

Demand Number and Description	Budget grant 2014-15	Final grant 2013-14
Plan Expenditure works controlled by CEE/MAS (Electrical Departments)		
1. Traffic Facilities	..	6.50
2. Other Electrical Works	192.00	342.95
3. Traction Distribution works	1,040	808.58
4. Workshops	..	251.13
5. Staff Amenities	..	132.64
6. Passenger Amenities	..	885.43
7. Machinery and Plants	..	474.59
8. Rolling Stock	..	2,035.45
9. Other Specified Works	..	14.83
10. Road Safety work	..	5.00

10. Railway Electrification
1.0 2.2 kV Anti theft Energisation

Sl. No.	Group No.	Section	RKM	TKM	Date of Energisation
1.	157	Elathur-Kannur	78.0	77	31-03-2014
2.	158	Payangadi-Netravati	108	108	31-03-2014
6.	169	CBf-MTP	30	30	31-03-2014
Total			215	215	

2.0 .25 kV Energisation

Sl. No.	Section	RKM	TKM	Date of 25kV charging
1.	Vanchi Maniyachchi Jn. (incl.)– Tirunelveli Jn. (excl.)	28.852	47.207	27-03-2014
2.	Vanchi Maniyachchi Jn. (excl.)– Tuticorin. (incl.)	31.367	43.995	27-03-2014
3.	Shoranur (excl.)–Calicut (incl.)	84.671	191.562	31-03-2014
Total		144.890	282.764	

3.0 CRS Inspection

Section	Date of CRS Inspection	RKM/TKM date	Authorisation No. & Date
DG-MDU-VPT	05-02-2014	103.282/ 206.827	R. 12047/1/2013-SR Date 06-2-2014

4.0 Commissioning of TSS :

Sl. No.	Group	Name of the TSS	Date of Commissioning
1.	154	Virudunagar	21-02-2014
2.	154	Nanguneri	31-03-2014
3.	155	Arni Road	31-03-2014

IX. सिगनल व दूर संचार/SIGNAL AND TELE-COMMUNICATION

- General.**—The over all performance of Signal and Tele-communication is consistent with the increase in assets consequent on the execution of numerous planned works.
- Signalling.**—The distribution on Inter-locked stations and those provided Rudimentary Inter-locking on the Railways are as under :—

Gauge As on	Inter-locked stations							
	Std. III		Std. I		IBS/IBH		Rudimentary	
	31st March 2013	31st March 2014	31st March 2013	31st March 2014	31st March 2013	31st March 2014	31st March 2013	31st March 2014
Broad Gauge	412	416	54	53	16	20	0	0
Metre Gauge	0	0	1	1	0	0	5	5
Total	412	416	55	54	16	20	5	5

Summary

Total No. of Inter-locked stations as on 31-03-2014	416 + 54
Total No. of Non-Interlocked stations as on 31-03-2014	—
Total No. stations closed for Gauge conversion as on 31-03-2014	—
Total No. of Block stations :	495 + 4

- Note.**— 1. This excludes flag & Halt stations but includes Block huts and IBS.
2. Stations in automatic territory where emergency cross over exists and worked from
3. Stations in automatic territory where there are no points but provided with signals and stations and hence are not included in the list of block stations.

(B) Method of Train Working.—Various systems of train working in vogue, 31st March 2013 Gauge wise along with corresponding figures for 31st March 2014

Serial No.	System of Train Working	Broad Gauge		Metre
		31st March 2013	31st March 2014	31st March 2013
1.	Single Line Token Instrument (No. of Block section)	8	6	8
2.	Tokenless Block Instrument (No. of Block section)	246	401	Nil
3.	Paper Line Clear Ticket	—	—	—
a.	Single Line	—	—	—
b.	Double Line	—	—	—
4.	Lock and Block Instrument (No. of Block section)	146	151	Nil
5.	Automatic Signalling in Kms.	—	—	—
a.	Track Kilometres	1059.43	1059.43	Nil
b.	Route Kilometres	440.28	440.28	Nil
6.	Intermediate Block Signalling in Kms.	157.76	223.17	Nil
7.	One Engine Only System	—	—	—
8.	Other Systems	—	—	—
a.	Continuous Track Circuiting (Other than Auto signalling)	59.82	68.64	Nil
b.	Twin Single Line	164.76	164.76	Nil

(C) Type of Signalling as on current year 31st March 2014—

Serial No.	Route	Total No. of stations on					Twin Single Line	Total
		Quadruple Line	Double Line	Third Line	Single Line			
(i) Two Aspect Semaphore Signalling—								
E-Route	..	..	..	..	1	..	..	1
MG-Route	..	..	..	..	8	..	..	8
Total	..	..	..	..	..	..	..	9
(ii) Multiple Aspect Upper Quadrant Signalling—								
(a) D-Route	..	..	..	..	7	..	..	7
E-Route	..	..	..	..	1	..	..	1
Other (Including MG)	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	8

(iii) Multiple aspect colour

Serial No.	Route	Quadruple Line
'A' Route	..	..
'B' Route	..	1
'C' Route	..	..
'D' Route	..	..
'E' Route	..	..
MG	..	..
Total	..	..
Total (i)+(ii)+(iii)	..	1
D. Signalling Assets		
A-F		
1.	Electronic Inter-locking - EI (SSI)	..
2.	Route Relay Inter-locking-RR	..
3.	Panel Inter-locking-PI or P1/RS	..
4.	Centralised Operation by SM's Side Control	..
5.	Lever Frame	..
6.	Intermediate Block Signalling IBS/IBH	..
7.	Gauge conversion	..
Total		

UNIFICATION

ns continued to be satisfactory numerous planned works. Rudimentary Inter-locking on the

on-Inter-locked out Rudimentary	Total No. of Block Stations			
	31st March 2014	31st March 2013	31st March 2014	31st March 2014
2	484	491		
2	8	8		
4	492	499		

20	+	5	=	495
—	—	—	=	4
—	—	—	=	28
28	—	—	=	527

remises are included.
k circuits are treated as non-block

umber of block sections as on
ren below :—

31st March 2014	Total		31st March 2014
	31st March 2013	31st March 2014	
8	16	14	
Nil	246	401	
—	—	—	
—	—	—	
Nil	146	151	
Nil	1059.43	1059.43	
Nil	440.28	440.28	
Nil	157.76	223.17	
—	—	—	
Nil	59.82	68.64	
Nil	164.76	164.76	

gnalling—

Double Line	Total No. of stations on				Total
	Third Line	Single Line	Twin Single Line		
16	4	..	..	..	22
119	4	35	7	..	180
5	..	..	..	..	5
70	..	123	..	..	193
..	..	82	..	..	82
..	..	..	..	..	..
..	..	..	..	..	..
10	8	240	7	..	482
..	..	..	..	..	499
o. of Stations					
Route	C-Route	D-Route	E-Route	MG-Route	Total
31	..	21	5	..	69
30	3	12	18	..	65
98	2	154	53	..	315
7	..	7	5	..	19
..	..	..	3	8	11
14	..	6	..	..	20
..	..	..	..	28	28
180	5	200	84	36	527

(E) (i) Classification of stations as on 31st March 2014—

GAUGE	ROUTE	Special Class		'A' Class		'B' Class			'C' Class		'D' Class		Total/
		Double Line	Single Line	Double Line	Single Line	Double Line	Single Line	Single Line	Double Line	Single Line	Double Line	Single Line	
		BG		BG		BG		MG	BG		BG		
BG	A	22	..	..	..	..	..	..	..	..	..	..	22
	B	48	..	..	..	75	39	..	14	3	1	..	180
	C	5	..	..	..	..	..	..	..	..	..	..	5
	D	6	1	..	..	61	129	..	3	..	..	..	200
	E	..	1	..	..	..	83	..	..	..	..	..	84
	MG	...	..	..	..	..	..	..	..	..	..	..	0
	Total	81	2	0	0	136	251	0	17	3	1	0	491
MG	Q	..	..	..	..	..	..	..	..	..	..	..	0
	R2	..	..	..	..	..	..	..	..	..	..	..	0
	R3	..	..	..	..	..	..	..	..	..	..	..	0
	S1	..	..	..	..	..	..	..	..	..	..	..	0
	S2	..	..	..	..	..	..	..	..	..	..	..	0
	S3	..	..	..	..	..	..	8	..	..	..	..	8
	Total	..	..	..	..	..	..	8	..	..	..	..	8

(E) (ii) Summary of Classification of stations as on 31st March 2014—

BG	81	2	..	..	136	251	0	17	3	1	0	491
MG	..	..	..	..	..	..	8	..	..	..	..	8
Total Number of Stations												499

Total Number of Block working stations .. 499

Total Number of Stations closed for Gauge Conversion , .. 28

Total .. 527

(G) Level Crossing Gates—With Lifting Barriers.—

(Total No. of Gates as on 31st March 2014)

Sl. No.	Route/Safety Devices provided	Special Class		'A' Class		'B 1' Class		'B 2' Class		'C' Class		Total	
		W.S.L.	O.S.L.	W.S.L.	O.S.L.	W.S.L.	O.S.L.	W.S.L.	O.S.L.	W.S.L.	O.S.L.	W.S.L.	O.S.L.
a	Lifting Barriers	168	267	54	108	15	43	32	46	215	693	484	1,157
b	Telephone	174	273	56	117	16	47	33	49	266	794	545	1,280

(Total No. of Manned Gates as on 31st March 2013).—Route Wise

Sl. No.	Route/Safety Devices provided	Special Class		'A' Class		'B 1' Class		'B 2' Class		'C' Class		Total	
		W.S.L.	O.S.L.	W.S.L.	O.S.L.	W.S.L.	O.S.L.	W.S.L.	O.S.L.	W.S.L.	O.S.L.	W.S.L.	O.S.L.
1.	'A' Route—												
(a)	Lifting Barriers	9	8	0	5	1	2	0	1	11	21	21	37
(b)	Telephone .	9	8	0	5	1	2	0	1	11	21	21	37
2.	'B' Route—												
(a)	Lifting Barriers	51	86	14	11	2	5	12	12	52	116	131	230
(b)	Telephone ..	52	86	14	11	3	5	12	13	58	118	139	233
3.	'C' Route—												
(a)	Lifting Barriers	1	0	0	0	0	0	0	0	0	0	1	0
(b)	Telephone ..	2	0	0	0	0	0	0	0	0	0	2	0
4.	'D' Route—												
(a)	Lifting Barriers	73	134	30	69	9	30	12	21	95	356	219	610
(b)	Telephone ..	76	136	31	73	9	32	12	21	104	368	232	630
5.	'E' Route—												
(a)	Lifting Barriers	32	38	7	21	2	4	8	9	52	188	101	260
(b)	Telephone ..	33	39	7	23	2	4	8	11	55	210	105	287
6.	MG Route—												
(a)	Lifting Barriers	2	1	3	2	1	2	0	3	5	12	11	20
(b)	Telephone ..	2	4	4	5	1	4	1	3	38	77	46	93

(ii) Non-Inter locked Gates—

Route	Total No. as on 31st March 2014					Total
	Special Class	'A' Class	'B1' Class	'B2' Class	'C' Class	
Trunk Route and Important Main Line :						
1. 'A' & 'B' Route on B. G.	4	1	1	2	72	80
2. 'Q' & 'R' Route on M. G.	..	..	..	..	..	..
Others ..	5	25	17	17	553	617
Total	9	26	18	19	625	697

(iii) Unmanned Gates.—As on 31st March 2014

Sl. No.	Section	No. of Unmanned Gates			
(1)	Single line	..	..	..	782
(2)	Double line	..	..	..	19
Total		..	..		801

H. Tele-communication Narrative Report—2013-14

(I) Exchanges

Sl. No.	Exchanges	Auto Exchanges	Inter-com.	Remarks
(1)	Total No. of Exchanges	78	47	..
(2)	Telephone Lines (in service)	14,373	2,569	..

(II) Traffic Control Including Area Control

Section Control
Details of Control Alignment/Cable

Sl.No.	Division	Section	Route Kms
--------	----------	---------	-----------

a) RE Quad Telecom Cables

1. Chennai	Villivakkam - Annanagar	3.09
Total		3.09

b) OFC + RE Quad Cable

1 Chennai	Chennai Beach - Thirumayilai	8.66
2 Chennai	Chennai Beach - Basin Bridge	4.66
3 Salem	Salem - Erode Jn.	59.25
4 Salem	Erode - Coimbatore	100.54
5 Salem	Irugur - Podanur - Coimbatore	16.77
6 Palakkad	Podanur - Palakkad	48.26
7 Palakkad	Palakkad - Shoranur	44.49
Total		282.63

c). OFC + 4 QUAD

1. Chennai	Chennai - Gudur	136.04
2. Chennai	Chennai Beach - Padalam	72.30
3. Chennai	Thirumayilai - Tiruvanniyur - Velachery	10.69
4. Salem	Erode - Karur - Tiruchchirappalli Fort	141.10
5. Palakkad	Shoranur - Kozhikode - Mangalore	307.07
6. Palakkad	Mangalore - Padil	2.00
7. Thiruvananthapuram	Shoranur - Thrissur - Ernakulam	106.85
8. Thiruvananthapuram	Ernakulam-Kottayam-Kayankulam.	114.66
9. Thiruvananthapuram	Ernakulam-Allappuzha-Kayankulam.	100.34
10. Thiruvananthapuram	Ernakulam - Cochin Harbour Terminus.	7.75
11. Thiruvananthapuram	Kayankulam - Kollam	40.84
12. Thiruvananthapuram	Kollam - Thiruvananthapuram Central.	64.30
13. Tiruchchirappalli	Villupuram - Tiruchchirappalli	177.53
14. Tiruchchirappalli	Thanjavur - Thiruvarur	54.37
15. Tiruchchirappalli	Thiruvarur - Tiruchchirappalli	49.80
16. Tiruchchirappalli	Tiruchchirappalli- Tiruchchirappalli Fort.	3.94
17. Madurai	Tiruchchirappalli - Madurai	157.39
Total		1546.97

Sl.No. Division

Route Kms

d) OFC + 6 QUAD

1. Chennai	C	Thirunindravur-Thiruvallur	41.65
2. Chennai	T	ur - Arakkonam	26.83
3. Chennai	A	am-Jolarpettai Jn.	144.59
4. Chennai	A	am-Renigunta	66.30
5. Chennai	A	am - Chengalpattu	62.96
6. Chennai	C	pattu - Villupuram	90.46
7. Salem	S	Jolarpettai	120.04
8. Salem	S	ore - Mettupalaiyam	35.51
9. Salem	S	alaiyam - mandalam	45.88
10. Salem	S	Dindigul	73.97
11. Salem	S	ur - Kinathukadavu	24.81
12. Salem	S	- Mettur Dam	40.25
13. Salem	S	- Namakkal - Karur	85.12
14. Palakkad	P	ur-Nilambur	65.80
15. Palakkad	P	lore - Padil	5.70
16. Palakkad	P	hi - Kinathukadavu	21.16
17. Tiruvananthapuram	T	ur - Guruvayur	22.63
18. Tiruvananthapuram	T	ananthapuram - coil	71.05
19. Tiruvananthapuram	T	coil - Tirunelveli	73.29
20. Tiruvananthapuram	T	coil - Kanniyakumari	15.51
21. Tiruchchirappalli	T	uram-Puducherry	37.30
22. Tiruchchirappalli	T	uram - Vellore	150.23
23. Tiruchchirappalli	T	adi - Vellore Cantonment	9.90
24. Tiruchchirappalli	T	alore - Vellore	30.00
25. Tiruchchirappalli	T	laduthurai - Thiruvarur	37.91
26. Tiruchchirappalli	T	varur-Nagore	30.37
27. Tiruchchirappalli	T	ore - Karaikkal	12.00
28. Tiruchchirappalli	T	mangalam - Mannargudi	13.41
29. Tiruchchirappalli	T	apattinam - Velankanni	10.32
30. Madurai	M	urai - Manamadurai- eswaram	161.49
31. Madurai	M	urai - Tuticorin - Tirunelveli	188.22
32. Madurai	M	namadurai - Virudunagar	66.55
33. Madurai	M	rdunagar - Srivilluputtur	40.00
34. Madurai	M	muganeri - Tirunelveli	10.00
35. Madurai	M	nelveli-Tenkasi	72.02
36. Madurai	M	ikasi - Shengottai	7.83
37. Madurai	M	digul-Palani	58.30
38. Madurai	M	lani - Pollachi	62.90
39. Madurai	M	nalur - Kollam	44.98
Total			2177.24

e). Railway 4 QUAD

1. Tiruchchirappalli	varur - Karaikudi	148.99
Total		148.99

f). Railway 6 QUAD

1. Chennai	tabiram East Siding - tabiram East Cabin	2.03
2. Salem	idhachalam - Salem	138.88
3. Palakkad	dil - Panambur	16.71
4. Tiruchchirappalli	upuram - Cuddalore Port - yiladuturai	121.78
5. Tiruchchirappalli	yiladuturai-Kumbakonam	31.10
6. Tiruchchirappalli	mbakonam - Thanjavur	39.35
7. Tiruchchirappalli	idhachalam - Cuddalore Port	57.30
8. Madurai	uchchirappalli - Karaikkudi	89.35
9. Madurai	araikkudi - Manamadurai	61.16
10. Madurai	rudunagar - Tenkasi	122.16
11. Madurai	runelveli - Tiruchendur	61.21
Total		741.03

CONTROL SECTIONS

Division	Section
Chennai	Chennai - Thiruvallur
	Chennai - Thiruvallur - Katpadi
	Chennai - Katpadi - Jolarpettai
	Chennai - Arakkonam - Renigunta
	Chennai - Gudur
	Chennai Beach - Villupuram
	Chengalpattu - Arakkonam
	Chennai Beach - Tambaram
Salem	Chennai Beach - Velachery
	Salem - Jolarpettai, Salem - Metturdam,
	Salem - Vriddhachalam
	Salem - Erode - Coimbatore - Podanur -
	Kinathukadavu, Coimbatore -
Palakkad	Udhagamandalam
	Salem - Karur - Tiruchchirappalli,
	Karur - Dindigul
	Palakkad - Shoranur, Palakkad - Pollachi -
Thiruvananthapuram	Kinathukadavu - Palakkad - Podanur
	Palakkad - Shoranur - Cannanore,
	Shoranur - Nilambur
	Palakkad - Cannanore - Panambur
Tiruchchirappalli	Thiruvananthapuram - Kollam - Ernakulam
	Kollam - Ernakulam - Shoranur, Ernakulam -
	Alleppey - Kayankulam - Kochi Harbour Terminus
	Kollam - Thiruvananthapuram - Kanyakumari -
Madurai	Nagercoil - Tirunelveli
	Tiruchchirappalli - Villupuram - Katpadi,
	Villupuram - Puducherry, Cuddalore - Villupuram,
	Vriddhachalam - Cuddalore
	Tiruchchirappalli - Vriddhachalam - Villupuram,
Madurai	Tiruchchirappalli - Thanjavur - Kumbakonam -
	Mayiladuthurai - Cuddalore
	Tiruchchirappalli - Thanjavur - Thiruvarur -
	Nagore, Thiruvarur - Mayiladuthurai, Thiruvarur -
	Thiruthurai - Karaikudi
Madurai	Madurai - Dindigul - Tiruchchirappalli - Dindigul -
	Pollachi
	Madurai - Virudunagar - Vanchi Maniyachi,
	Tuticorin - Vanchi Maniyachi - Tirunelveli,
	Madurai - Manamadurai - Rameswaram, Manamadurai -
Madurai	Virudunagar, Manamadurai - Karaikudi -
	Tiruchchirappalli, Virudunagar - Tenkasi, Tenkasi -
	Kollam, Tenkasi - Tirunelveli, Tirunelveli - Tiruchendur.

BSNL PHONE AT STATIONS

Provision of BSNL phones at all stations.

S.No.	Division	Number of Stations Provided with BSNL Phones
1.	Chennai	104
2.	Salem	79
3.	Palakkad	65
4.	Thiruvananthapuram	71
5.	Tiruchchirappalli	87
6.	Madurai	111
Total		517

RAILNET CONNECTIVITY

S.No.	Connectivity	No. of locations Provided with Railnet
1.	LAN connectivity	70 Nodes
2.	Dialup connectivity	6 Nodes
3.	Internet Gateway Connection	40 MB through RCIL

PRS & UTS

Division	PRS Locations	UTS Locations
Chennai	46	128
Salem	20	79
Palakkad	30	59
Thiruvananthapuram	59	73
Tiruchchirappalli	31	108
Madurai	41	111
Total	227	558

III - PASSENGER AMENITIES

S.No.	Telecom Items	Numbers
1.	PC based PA system	95
2.	Clocks [QUARTZ]	GPS clocks provided at 106 Stations
3.	Coach Guidance System	43
4.	Train Display Board	118
5.	Conventional PA System	297
6.	Touch screens	68
7.	POET	33

IV - SATELLITE PHONES—9

V - FOIS ,CMS & COIS

1.	FOIS	145 Locations
2.	COIS	53 Locations
3.	CMS	24 Locations
4.	V — SAT Connectivity	9 Locations

VI - VOICE RECORDER IN CONTROL OFFICE

Voice Recorders are provided on all the 23 Section controls and 8 Traction Power Control in all Divisions.

VII - CUG PHONES

7789 CUG SIM cards of M/S. AIRTEL are provided for Officers & Staff in all Divisions, Headquarters office, project and Construction wing.

VIII - VIDEO CONFERENCE

1. Video conferencing arrangements in Headquarters and all divisions is connected through OFC Ethernet media with ring protection.
2. CRB with GMs Video Conferencing system is connected through OFC MPLS Network between Chennai and New Delhi.
3. Video Conferencing arrangements provided between ML/Railway Board to CSTE & CCE.

PERFORMANCE OF TELECOMM CIRCUITS

S. No.	Name of The Circuit	2013-14 Performance in %
a.	Average Efficiency of Control Circuits on Railway OFC Circuit	98.96
	Operating	99.98
b.	Average Efficiency of Control Circuits on Railway Quad Cable Circuit	99.98
	Operating	99.99
c.	Average Efficiency of Control Circuits on Railway RE Cable Circuit	99.51
	Operating	99.71
d.	Average Efficiency of Control Circuits on Railway OH Link Circuit	No Circuit
	Operating	No Circuit
e.	Average Efficiency of Control Circuits (BSNL OH Link) Circuit	No Circuit
	Operating	No Circuit

3. MATTER RELATING TO TELE-COMMUNICATION WORKS

Sl. Nos.	Description of Work	Year of Programme	Estimated cost ₹ (in lakhs)	Physical progress upto 31 March 2014
OFC WORKS				
1.	Coimbatore North - Mettupalayam, Mettupalayam - Udhagamangalam - (OFC & 6 Quad).	2007-08	456.13 DF3	99%
2.	Vriddhachalam - Salem (OFC and STM-1 with MUX).	2010-11	478.61 DF 3	20%
3.	Vriddhachalam - Cuddalore Jn. (OFC and STM-1 with MUX)	2011-12	222.34 DF3	55%
4.	Salem - Coimbatore - Provision of 6 Quad Cable in lieu of Re Cable 153 Kms.	2012-13	947.18 DRF	50%
5.	Villupuram Jn. - Thanjavur Jn. - OFC work (192 Kms).	2012-13	770.86 DF3	—
OTHER SPECIFIED WORKS				
1.	Southern Railway - Integrated Security System at TVC, ERS, MDU, CBE, TPJ, CLT & MAQ. (7 stations).	2010-11	3050.09 CAP	—
2.	Southern Railway - Integrated Security System at MAS, BBQ, TRL, MSB, MS, MBM & TBM. (7 stations).	2010-11	1110.40 CAP	—

4. MATTER RELATING TO S&T / PROJECTS / CH

Para 3:- Major Signalling Development and Signalling Elements of Line Capacity Works (

(a) Pure Signalling Works.

3(a) (i) the Position of Major Signalling Works at the end of Financial Year reviewed

WORKS

Remarks

Work completed.

Work is in progress.

Work is in progress.

Work is in progress.

Work is in progress.

Work is in progress.

Work is in progress.

11

More than 20 Lakhs.

is under :-

Remarks

Work completed in 27 rakes out of 66 rakes and balance work in progress.

Delayed Tender approved by Railway Board and commercial bid under TCM.

Work is frozen as per Railway board's instructions.

Detailed Estimate is sanctioned and work is in progress.

Tender opened and TCM is under progress.

Sl. No.	Name of Work	Sanctioned in the Year	Estimated cost in Lakhs of ₹	Physical progress upto 31st March 2014
1.	Chennai Division - Public address system in suburban trains (66 rakes).	2009-10 Supple- mentary	752.00 DF(1)	55%
2.	Basin Bridge - Arakkonam section (Slow line) - Provision of Train Protection Working system (TPWS).	2010-11 Supple- mentary	3081.42 DF(4)	—
3.	Southern Railway - Train management System on Chennai Beach-Sulurpetta, Chennai Beach-Velachery, Chennai Beach- Chengalpeta and Chennai Central-Arakkonam sections.	2010-11 Supple- mentary	3573.36 DF(3)	—
4.	Salem Division - VRI - SA section - Provision of Optic Fibre Cables and STM-I with MUX.	2010-11	478.61 DF(3)	30%
5.	Palakkad Division - Mankara, Ottapalam, Parli & Lakkiti - Replacement of Panel interlocking arrangement by Route setting type - B route.	2010-11	1637.05 DRF	10%

Sl. No.	Description of Work	Year of Programme	Estimated cost (in lakhs) of ₹	Physical progress upto 31st March 2014	Remarks
6.	Thiruvananthapuram Division — Replacement of signalling assets by Panel Interlocking at Angamali for Kaladi.	2010-11	182.00 DRF	20%	Detailed Estimate is sanctioned. Work will be executed by Dy.CSTE/ CN/ERS along with New Line work between Angamali and Sabrimala.
7.	Tiruchchirappalli Division - Provision of OFC and STM-I with MUX at VRI-CUPJ section - Provision of OFC and STM-I with MUX - 57 Kms	2010-11	202.22 DRF	60%	Work completed for 54.5 Kms and balance work in progress.
8.	Salem Division - Replacement of Signalling gears by Route Setting type Type Panel Interlocking (4 stations) (D-Route) in KRR-TPJ section. At Mahadanapuram, Perugamani, Elamannur and Muttarasanallur stations.	2011-12	1505.00 DRF	25%	Revised Estimate sent to accounts for vetting.
9.	Salem Division - Karur - Dindigul & Omalur - Mettur Dam - Block Proving by Axle Counters in Panel/Route/Relay Interlocked Sections (7 block sections)	2011-12	221.00 DF(4)	—	Work commissioned and completed between Velliyanai and Palaiyam section. Work is in progress at balance block sections.
10.	Tiruvananthapuram Division — Replacement of SM's Slide Operation of operation of Signals & points by Panel Interlocking at Punkunnam station.	2011-12	162.91 DRF	—	Tender opened and TCM is under progress.
11.	Tiruchchirappalli Division - Replacement of Panel interlocking at Tiruchchirappalli Fort station.	2011-12	376.59 DRF	25%	Revised Estimate is sanctioned on 29.07.2013.
12.	Arakkonam - Jolarpettai - Train Protection & Warning system - 150 RKM.	2012-13	11232.00 DF(4)	—	Detailed estimate and tender schedule sent to IRPMU for further action.
13.	Chennai beach - Tambaram - Chengalpattu - Train Protection & Warning system - 150 RKM.	2012-13	4263.00 DF(4)	—	Detailed estimate and tender schedule sent to IRPMU for further action.
14.	Lalapet — Replacement of Multi Aspect Upper Quadrant Signalling by Panel Interlocking.	2012-13	409.33 DRF	—	Revised Estimate sent to accounts for vetting.
15.	Salem Division — Replacement of Universal Axle Counter with Single Section Digital Axle Counters (5 Intermediate Block Sections)	2012-13	708.00 DRF	—	Detailed Estimate is sanctioned and Tender under preparation.
16.	Mayanoor — Replacement of Multi Aspect Upper Quadrant Signalling by Panel Interlocking	2012-13	403.55 DF(3)	—	Revised Estimate sent to accounts for vetting.
17.	Walaja Road - Jolarpettai & Chennai Beach - Velacherry — Remote Terminal Unit with Network arrangement.	2012-13	500.00 DF(3)	—	Detailed Estimate is sanctioned on 28.02.2013.LOA has been issued and work is in progress.
18.	Chennai Central - Gudur — Dual Detection arrangement with Axle Counter at Bridges.	2012-13	375.30 DF(4)	—	Work completed at all 19 Bridges.
19.	Chennai Division — Replacement of Point Machines	2012-13	400.00 DRF	—	Detailed Estimate prepared and sent to accounts for vetting.
20.	Villupuram - Thanjavur — Optic Fibre Cable (192 Kms.)	2012-13	770.86 DRF	—	Detailed Estimate is sanctioned and Tender opened. TCM is under progress.
21.	Salem - Coimbatore — 6 Quad Cable in lieu of RE Cable	2012-13	947.18 DRF	50%	Detailed Estimate is sanctioned on 27.09.2012. LOA has been issued and work is in progress .

Sl. No.	Description of Work	Sanctioned in the Year	Estimated cost in lakhs of ₹	Physical progress upto 31st March 2014	Remarks
22.	Chennai Division Provision of Invertors at Stations for signals to avoid blanking of Signal Phase-I	2012-13	200.00 DF(4)	—	Detailed Estimate is sanctioned and tender schedules under preparation.
23.	Chennai Division Dual Detection track circuit for improvement of track circuit with multi section digital axle counters at Royapuram, Pattabiram East and Veysarpadi.	2012-13	200.00 DF(4)	—	Detailed Estimate vetted by accounts.
24.	Chennai Division – Replacement of Electro Mechanical Signalling arrangements - 1 Station – B - Route and 3 Stations- E-Route	2013-14	875.80 DRF	—	Detailed Estimate is under preparation.
25.	Southern Railway – Integrated Power Supply (131 left over Stations)	2013-14	1430.45 DF(4)	—	Detailed Estimate prepared and sent to accounts for vetting.
26.	Palghat Division – Dual Detection by Single Section Digital Axle Counters at track circuits and provision of earth leakage detector.	2013-14	370.41 DF(4)	—	Detailed Estimate prepared and sent to accounts for vetting.
27.	Palghat Division – Provision of Redundancy for track detection using multi section digital axle counter (MSDAC) at KOZHIKODE (CLT) station.	2013-14	98.62 DF(4)	—	Detailed Estimate is under preparation.

SL. No.	DESCRIPTION OF ITEMS	TOTAL AS ON 31-3-2013	ADDED DURING 2013-14	TOTAL AS ON 31-3-2014	SL. No.	DESCRIPTION OF ITEMS	TOTAL AS ON 31-3-2013	ADDED DURING 2013-14	TOTAL AS ON 31-3-2014
1.	Token Block Working (No. of Block Sections)	16	-2	14	12.	Route Relay Interlockings (i) Stations with MACL Signalling (a) Standard – I Interlocking (b) Standard – II Interlocking (c) Standard – III/IR Interlocking	68 68 22 0 46	-3 -3 -1 0 -2	65 65 21 0 44
2.	Tokenless Block Working (No. of Block Sections)	246	153	399	13.	Panel Interlocking No. of stations (A) Panel Interlocking (ENI) (No. of stations) (i) Stations with MACL Signalling (a) Standard – I Interlocking (b) Standard – II Interlocking (c) Standard – III Interlocking	— — — — —	— — — — —	— — — — —
3.	Lock & Block Working (No. of Block Sections)	151	8	159	(ii) Stations with Semaphore (No. of stations) (a) Standard – I Interlocking (b) Standard – II Interlocking (c) Standard – III Interlocking	— — — — —	— — — — —	— — — — —	
4.	Intermediate Block Signal (No. of Block Sections)	16	4	20	(B) Panel Interlocking (CEI) PANELS (No. of stns.) (i) Stations with MACLS Signalling (a) Standard – I Interlocking (b) Standard – II Interlocking (c) Standard – III Interlocking	339 22 0 317 7	-13 0 0 -13 0	326 22 0 304 7	
5.	Block Proving by Axle-counters (No. of Block Sections)	357	87	444	(ii) Stations with Semaphore (DOUBLE-WIRE) (MAU) (a) Standard – I Interlocking (b) Standard – II Interlocking (c) Standard – III Interlocking	2 0 5 13 1	0 0 0 -2 0	2 0 5 11 1	
6.	Colour Light Signalling (Stations)	473	9	482	(i) With MACL Signals (a) Standard – I Interlocking (b) Standard – II Interlocking (c) Standard – III Interlocking	1 0 0 0 0 0	0 0 0 0 0 0	1 0 0 0 0 0	
7.	Semaphore Signalling (Stations)	19	-2	17	(d) Non-Interlocked (e) Modified Non-Interlocking	0 0 0 0 2	0 0 0 0 -1	0 0 0 0 1	
8.	Automatic Block Working	1059.43	0.00	1059.43	(ii) Stations with Semaphore (DOUBLE-WIRE) (MAU) (a) Standard – I Interlocking (b) Standard – II Interlocking (c) Standard – III Interlocking	2 0 0 1 2 5	-1 0 0 -1 0 0	1 0 0 9 2 5	
9.	Automatic Permissive Block Working	440.28	0.00	440.28	(iii) Stations with Semaphore (SINGLE-WIRE) (LQ) (No. of static WIRE) (a) Standard – I Interlocking (b) Standard – II Interlocking (c) Standard – III Interlocking	2 0 0 1 2 5	0 0 0 -1 0 0	2 0 0 9 2 5	
10.	Safety Devices at Level-Crossings (Nos.)	1240	-55	1185	(d) Non-Interlocked (e) Modified Non-Interlocking	2 0 0 1 2 5	-1 0 0 -1 0 0	1 0 0 9 2 5	
11.	A. Total No of Interlocked Stations (Nos.)	492	7	499	(i) Special Class stations (ii) 'A' Class stations (iii) 'B' Class stations (iv) 'B' Class stations without loop (v) 'C' Class stations (vi) 'D' Class stations	80 0 333 0 18 1	2 0 3 0 2 0	82 0 336 0 20 1	

SL. No.	DESCRIPTION OF ITEMS	TOTAL AS ON 31-3-2013	ADDED DURING 2013-14	TOTAL AS ON 31-3-2014
17.	Second Distant Signal (No of stations)	—	—	—
	(i) Stations with MACLS Signals	—	—	—
	(ii) LC Gates	—	—	—
	(iii) Intermediate Block Signals	—	—	—
18.	Track Circuiting (No. of locations)	—	—	—
	(i) FM to FM	484	4	488
	(ii) FM to BSL (St)	484	4	488
	(iii) FM to BSL (T/O)	484	4	488
	(iv) FM to Home (St)	484	4	488
	(v) FM to Home (T/O)	225	3	228
	(vi) Loop line	484	4	488
	(vii) Others (Calling-on, Approach Track circuits etc)	295	0	295
19.	No. of Semaphore Signals Lit with Solar Power (Nos.)	117	-114	3
20.	AFTC (Nos)	1343	45	1388
21.	HFTC (Nos)	—	—	—
22.	DIGITAL AXLE-COUNTERS (Nos)	—	—	—
	(i) Single Entry	—	—	—
	(a) Stations/Sections	357	87	444
	(b) Equipments	714	174	888
	(ii) Multi Entry	—	—	—
	(a) Stations	—	—	—
	(b) Equipments	—	—	—
23.	ANALOG AXLE-COUNTERS (Nos.)	—	—	—
	(i) Single Entry	—	—	—
	(a) Stations	19	0	19
	(b) Equipments	38	0	38
	(ii) Multi Entry	—	—	—
	(a) Stations	—	—	—
	(b) Equipments	—	—	—
24.	MICROTRAX (Nos.)	—	—	—
25.	LED Lit Semaphore Signals (Nos.)	—	—	—
	(a) No of Stations	—	—	—
	(i) With conventional power	—	—	—
	(ii) With Solar Power	—	—	—
	(iii) With Primary Batteries	—	—	—
	(b) No of Signals	—	—	—
	(i) Conventional power	—	—	—
	(ii) Solar Power	—	—	—
	(iii) With Primary Batteries	—	—	—
26.	Electrically lit semaphore signals (Nos.)	—	—	—
	(a) No of Stations	—	—	—
	(i) With conventional power	—	—	—
	(ii) With Solar power	—	—	—
	(iii) With primary Batteries	—	—	—
	(b) No of Signals	—	—	—
	(i) With conventional power (Nos.)	—	—	—
	(ii) With Solar power (Nos.)	—	—	—
	(iii) With primary Batteries	—	—	—
27.	LED Lit MACL Signals (Nos.)	—	—	—
	(a) Stations	441	35	476
	(b) Signals	7195	2056	9251
	(c) Aspects	21293	3951	25244
28.	Tripple pole Signal lamps (Nos.)	—	—	—
	(a) Stations	5	0	5
	(b) Signals	40	0	40
	(c) Aspects	92	0	92
29.	Calling-On Signals (No of Stns)	414	8	422
30.	Data-loggers (Total)	467	4	471
	(i) Stand Alone (Nos.)	8	-8	0
	(ii) Networking Mode (Section / Nos.)	459	12	471
31.	Integrated Power Supply (No of stns)	146	23	169
	(i) SCR Based (No of stns)	0	0	0
	(ii) SMPS Based (No. of stns)	146	23	169
32.	Point Machines (Nos)	5545	132	5677
	(i) IRS Type	5495	133	5628
	(ii) Siemens Type.	0	0	0
	(iii) Clamp Type	36	0	36
	(iv) Other.	14	-1	13
33.	Colour Light Signalling (Nos.)	9525	68	9593
	(i) Multi aspect	5623	38	5661
	(ii) Two aspect	3902	30	3932
34.	Semaphore Signalling (Nos.)	135	-6	129
	(i) MAUQ	91	0	91
	(ii) MLQ	0	0	0
	(iii) LQ	44	-6	38
35.	Batteries (Nos)	80512	684	81196
	(i) 2V Cells 40 AH	3457	613	4070
	(ii) 2V Cells 80 AH	37163	-802	36361
	(iii) 2V Cells 100 AH	0	0	0
	(iv) 2V Cells 120 AH	11808	640	12448
	(v) 2V Cells 200 AH	19982	830	20812
	(vi) 2V Cells 300 AH	1770	17	1787
	(vii) 2V Cells 400 AH	6320	-715	5605
	(viii) 2V Cells 500 AH	0	0	0
(ix)	2V Cells 600 AH	0	0	0
	(b) (i) Battery Set 12/24 V	12	101	113
	(ii) Battery Set 4/24 V	0	0	0
36.	ZISTUS	3680456	657326	4337782
37.	Total Route KMS on Railway	5079.00	0.00	5079.00
38.	Total Running Track KMS on Railway	6835.10	8.90	6844.00
39.	Total Interlocked Stations (R)	193	16.	209
	(a) Standard I Interlocking (R)	19	1	20
	(b) Standard II interlocking (R)	174	15	189
	(c) Standard III interlocking (R)	0	0	0
	(f) Standard IV interlocking (R)	0	0	0

5. Signal Equipment Failures

Sl. No.	Signal Failures	Number of Failures			
		Previous Year 2012-13		Current Year 2013-14	
		Nos.	%	Nos.	%
I.	On Signal Account :—				
	(a) In colour light Signalling area	3,999	57.86	3,859	58.94
	(b) In semaphore signalling area.	32	0.46	0	0
	Sub-Total	4,031	58.32	3,859	58.94
II.	On Account of others :—				
1.	Operating Department	438	6.34	505	7.71
2.	Mechanical Department	12	0.17	15	0.23
3.	Engineering Department	820	11.86	756	11.55
4.	Electrical Department	137	1.98	134	2.05
5.	D. O. T.	1	0.01	1	0.02
6.	Miscreant	155	2.24	136	2.08
7.	Miscellaneous	870	12.59	665	10.16
8.	S & T Construction	448	6.48	476	7.27
	Sub-Total	2,881	41.68	2,688	41.06
	Total (I + II)	6,912	..	6,547	..

The percentage is worked out based on the grand total number of signal and inter-locking failures both on S. & T. account and other account 6547.

6. S & T Workshop—Podanur

Introduction:

Signal and Telecommunication Workshop/Podanur was set up on 09/04/1958 to serve as a manufacturing-cum repairing unit for Signal equipments. Initial activities were confined to manufacture of Mechanical Signalling equipments like Lever frames, Levers and Accessories. Subsequently the repairing and overhauling of Electric Signal reversers, Single Line Block Instrument and Electro Mechanical Signalling Equipments like Shelf Type Relays were taken up for production. Since then this workshop has grown in to a major manufacturing unit for Signal and Telecommunication products and supplies the same to the entire Indian Railways.

The workshop is managed by Chief Workshop Manager (CWM) with a team of Officers comprising of 06 S&T Officers, 02 Stores officer and 01 Personnel Officer.

Development of Signalling Relays and Electronic Axle counters :

Gradually the production of Shelf Type Relays has been dispensed with and production of modern Signalling items like Q' Type Relays, Axle Counters, Electronic timers, Control Panels etc. were taken up for production in this workshop with complete indigenous components which has helped in the commissioning of Modern Signalling like Route Relay and control panel Inter-locking in various Railways.

Production items :

Presently the workshop is producing Signalling Relays, Control Panels, Double Line Block Instrument, Token less Block Instruments to suit Non-RE areas, Electrically operated Lifting Barrier Gates, SSD Axle counters, IRS Point machines, Polarised Relays, Electronic Timers etc. The workshop has an auxiliary unit in Perambur/Chennai. The Perambur unit take up the overhauling of SGE Block Instruments and FM Daido Block Instruments which are installed throughout Southern Railway. A part from this, the Perambur Unit also takes up the assembly work of Gate Warning Bell, Annunciator, Battery Charging in addition to some other miscellaneous works.

Production Growth and Out-Turn:

The workshop manufactures various types of sophisticated Signalling Equipments for meeting the demand of Indian Railways in the commissioning of new Signalling projects, and replacement works.

The combined annual Out-Turn of S&T Workshop/Podanur and Perambur Unit is in the order of ₹ 67.52 Cr. for the year 2013-2014.

Progressive growth in the out-turn of the workshop can be seen from the figures given below :—

Sl. No.	Description	2010-11	2011-12	2012-13	2013-14
1	Q Type Plug-in Type Relays ..	74007	65910	67123	62087
2	IRS Point machine ..	2700	1616	2311	2613
3	Token Less Block Instrument (Push .. Button Type)	720	263	72	71
4	Double Line Block Instrument ..	140	124	120	130
5	Control panel ..	60	91	78	128
6	Polarised Relay ..	225	175	222	224
7	Relay rack ..	0	111	0	0
8	GRS Apparatus cases ..	1390	1325	1690	1678
9	SSDAC ..	0	0	0	0

Year	Out turn in Crores of ₹	Staff strength	Out turn per employee (in lakhs of ₹)
2010-11	65.27	768	8.5
2011-12	48.68	763	6.4
2012-13	57.98	741	7.82
2013-14	67.52	798	8.49

Details of Staff strength and Out-Turn per employee are as follows :

The Out-Turn per employee for the year 2013-2014 is 8.49 Lakhs.

Incentive scheme :

The Incentive scheme was introduced in this workshop from 1st August 1963. An average of 540 staff per month has been covered under incentive scheme for the year 2013-14.

Quality Control :

This Workshop is an ISO 9001:2008 Certified Unit.

The pride of the workshop lies in its capacity to produce sophisticated Signalling products of high standard quality. This workshop has got ISO 9001: 2008 Certification for all sections including Administrative offices.

As per the Quality policy, this workshop is committed to manufacture and supply Safety signaling Equipments of consistent quality by continuous improvement. As result, a lot of improvements were made and new fixtures were introduced in the production of Relays, Token less Block Instruments, Point machines etc. These measures have reduced the rejection rate considerably and improved the reliability of items being produced in this workshop.

Developmental Activities :

The following new items are under development and proposed to be manufactured in the workshop in the next year onwards.

- 1) Digital Axle Counter
- 2) Special relays V
- 3) Auto fuse change
- 4) Earth Leakage
- 5) Track feed batte
- 6) Integrated power
- 7) Universal fail se

The following new items are developed during the 2013-14 year :

- 1) Integrated pass
- 2) Tri-colour LED T
- 3) BPAC using UFS Block Instrumen
- 4) Add on Box for T
- 5) Special relays Viz

Computerization in

All the Shops/ Associated Offices are inter-connected through Railnet.

Daily position of p are monitored through Bills section, Planning Branch, ISO Section, Stores section, General section are d of passes (Privilege done through compu

Out sourcing of sub

To meet the gro produced in the wor Components of Q' R Axle Counters are manufacture. Stock Department through

Basic Training Centr

A Basic Training S&T Workshop/Podanur ITI Apprentice Fitters (and Machinist as per here. Written exami selection of Trade A is under progress.

Staff Welfare :

The workshop is p of Factories and instr is functioning in the Snacks, Tiffin and m subsidized rates. In stand and Rest Room staff.

NA1, QBCA1. r system. or. rger. uly system. ck interface.

is are developed during the

information system.

UX combiner Double Line

ed Charger.

K, QNA1K.

Workshop/Podanur :

ctions of S&T Workshop and ided with PC Systems and these gh LAN and in turn connected

ion, material stock position, etc. mputers. All the activities in the ion, Drawing Office, Personnel ppection Department, Budget eting section, Progress section, rough computers only. The issue s, Post retirement passes) are

ables and components

demand of vital components , certain Sub-assemblies and Point machine and Electronic ource apart from In-House are procured through Stores ment memo system.

e is functioning attached with n 9/4/1993. Courses for Non- rs) Ex-ITI Fitter, Turner, Welder entice Act 1961 are conducted was held on 21/4/2013 for the ces and the selection process

ally inspected by the Inspector are strictly followed. A canteen op for the benefit of staff. Tea, e arranged daily to the staff at on to this, Hindi library, Cycle nctioning for the welfare of the

Railway Sub-Divisional Hospital and Homoeopathic Dispensary are functioning nearby the Workshop for the staff and their families.

The renovated Railway Institute with library and reading room has been opened for staff recreation with facility for various indoor games like Shuttle coke, Carroms, Billiards, Table Tennis etc. Volley Ball court, Lawn Tennis court are also available to the staff and wards.

S&T Workshop/Perambur :

S&T Workshop/Perambur is a repair workshop. The workshop is functioning under the control of CWM/S&T/PTJ. The major activity of the workshop is the overhauling of SGE Double Line Block Instrument and FM Daido Block Instrument Shelf Type Relays etc. A part from these Overhauling activities, this workshop manufacture Electronic Gate Warning Bell, Annunciator, E type lock Initial charging of Batteries used in Signal and AC Locos also are undertaken in this workshop.

This is a Non-Incentive Workshop managed by a SSE and PE/S&T/PTJ is the overall in charge of the unit who visit the workshop twice in a week to look after the activities of the workshop.

It is proposed to increase the Out-Turn of S&T/Workshop/Perambur in this financial year by entrusting additional work such as Gate Warning Signal for Road users, E Type lock.

S & T Training Centre at Podanur

The S & T Training Centre is under the administrative control of CWM/S&T/PTJ. It is headed by Principal. The faculty of the Training centre comprises the following :-

Vice Principal	- 01
Instructors	- 10
Demonstrators	- 03
Artizan Instructor	- 01

Mandatory courses like initial courses for Apprentices, Refresher courses for serving employees, Foundation courses for newly promoted Group C employees, Induction course and Development course for Group D and various equipment courses on Signal & Tele-communication on Safety related courses are regularly conducted for the employees of Southern Railway and South Western Railways as per the training modules issued by the Railway Board. Mandatory promotional courses for promoted JE/Signal & Tele. and modular course for supervisors for Signal & Tele. are also conducted at this training centre.

Pre promotional courses for supervisors for the selection to Group B service and for the selection to Group B service and for Artisans for selection as JE/Signal & Tele. being conducted.

Yoga and Meditation, Computer courses are also being conducted here. In addition to the above courses, special One day courses such as courses on Cable Jointing techniques, Route releasing techniques, on RRI system II, Validation of Data Loggers, BPAC, Ballast resistance calculations etc. are also conducted at this training centre along with some training at field level.

Staff are also being trained through e-learning and Virtual classes connected to IR/SET/SC and other training institutes.

Hostel facility with trainee participative mess is provided to the staff attending the courses.

As part of development work, a seminar hall cum ladies hostel is under construction and comprehensive action plan for up gradation of infrastructure facility is under progress in LAW programme.

The Details of courses conducted in the year from April 2013 to March 2014 are given in the enclosure please.

DETAILS OF TRAINEES WHO HAD UNDERGONE TRAINING FOR THE PERIOD APRIL 2013 To MARCH 2014 AT S & T TRAINING SCHOOL - PODANUR

Sl. No.	Name of Courses	No. of Courses Pro-grammed	No. of courses conducted	No. of seats allotted	No. of Staff trained
I. Initial Courses					
1	Initial course for App. ESMs	8	8	227	227
2	Initial course for App. TCMs	4	4	55	55
3	App.SSE/Sig. App.SSE/Tele., App.SSE/Drg. App. JE/Drg. & S&T/WS/Staff.	12	12	19	19
Total		24	24	301	301
II. Refresher Courses					
1	Refresher course for ESMs.	11	11	349	273
2	Refresher course for TCMs	10	9	201	42
Total		21	20	550	315
III. Foundation Courses					
1	Foundation course for ESMs	3	3	74	63
2	Foundation course for TCMs	4	4	85	35
Total		7	7	159	98
IV. Promotional Courses					
1	Promotional Course/Signal.	3	3	7	7
2	Promotional Course/Telecom.	1	1	3	3
Total		4	4	10	10
V. Pre-promotion Courses					
1	Pre-promotion Course Signal.	3	3	8	8
2	Pre-promotion Course Telecom.	1	1	3	3
3	Pre-promotion Course for group C to B	2	2	3	3
Total		6	6	14	14
VI. Modular Courses					
1	Modular Course/Signal	5	4	55	15
2	Modular Course/Tele	5	5	70	9
Total		10	9	125	24
VII. Common Courses					
1	Yoga & Meditation	11	8	220	34
2	Computer appreciation	11	10	260	53
Total		22	18	480	87

Sl. No.	Name of Courses	No. of Courses Pro-grammed	No. of courses conducted	No. of seats allotted	No. of Staff trained
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VII. (a) Equipment Course Signal

1	Point Machine Course	5	5	110	45
2	Signalling in RE Course	5	5	110	34
3	Axle Counter IBNS/BPAC	5	4	85	22
4	IPS, Data Logger, Electronic Inter-locking	5	5	95	46
5	Electronic Interlocking and Modern signalling.	4	4	85	39
6	RRI Major and Minor Yard	7	6	110	50
7	Block Instrument Course	6	6	185	65
8	TLB instrument/PTJ make	2	2	50	10
9	FM instrument & DLB instrument.	2	2	50	17
10	Automatic Signal/AFTC	2	2	30	6
11	Induction to unskilled	5	5	113	110
	TOTAL	48	46	1023	444

VII. (b) Equipment Course (Tele-commn.)

1	Train traffic control RE/ Non RE	7	6	120	20
2	PA system, IPIS (Surveillance system).	5	4	85	12
3	Optical fibre communication	8	6	190	18
4	PDH/SDH	8	8	200	28
5	ISDN Exchange	8	6	160	18
6	Data Communication, Railnet, PRS & UTS	8	7	210	30
7	Modern communication	10	10	140	65
8	Power equipment cells and batteries.	9	9	230	29
9	Induction to unskilled	6	6	120	50
10	Vigilance awareness course.	1	1	15	15
	Total	70	63	1,470	285
	Grand Total	212	197	4,132	1,578

Sl. No.	Name of Courses	Seats allotted	Seats Utilised	% Of Utili-sation
1	Initial Course	301	301	100%
2	Refersher Course	550	315	57%
3	Foundation Course	159	98	62%
4	Promotional Course	10	10	100%
5	Pre Promotional Course	14	14	100%
6	Modular Course	125	24	19%
7	Equipment Courses/Signal	1,023	444	43%
8	Equipment Courses/Tele	1,470	285	19%
9	Common Courses	480	87	18%
	Total	4,132	1578	38%

7. Staff**(i) Total strength of Signal and Tele-communication Inspectors and Artizans**

Sl. No. Category

(a) Signalling—

- (1) Signal Engineer
(2) Technician Signal

(b) Tele-communication

- (1) Tele-commn. Engineer
(2) Technician, Tele-communication
(3) Wireless Instrument

(ii) Total No. of Signal and Tele-communication staff recruited in respect of (Indents Placed).**(a) Through Railway**

- (1) SSE/Sig.
(2) JE/Sig.
(3) SEE/Tele.
(4) JE/Tele.
(5) Technician/Gr. I
(6) Technician/Gr. II
(7) Technician/Gr. III
(8) Wireless Instrument

(iii) Total No. of Signal and Tele-communication staff recruited through Zonal Training Centres during 2013-14.

Sl. No. Name of the

- (1) Refresher Course
(2) Initial Course
(3) Equipment Course
(4) Foundation Course
(5) Pre-promotional
(a) ESMs/MSMs
(b) Group 'C' to 'B'
(c) Promoted JE
(6) Other courses
Other courses
Other courses

Staff (cadrewise separately for Signal and Tele-communication staff) in respect of 2013-14.

Sl. No. Category

Sl. No.	Category	Total Nos.
..	(1) Signal Engineer	298
..	(2) Technician Signal	1,287
..	(1) Tele-commn. Engineer	178
..	(2) Technician, Tele-communication	507
..	(3) Wireless Instrument	86

and Tele-communication staff recruited in respect of (Indents Placed).**Recruitment Board**

..	(1) SSE/Sig.	10
..	(2) JE/Sig.	23
..	(3) SEE/Tele.	10
..	(4) JE/Tele.	20
..	(5) Technician/Gr. I	104
..	(6) Technician/Gr. II	145
..	(7) Technician/Gr. III	71
..	(8) Wireless Instrument	Nil

Staff recruited through Zonal Training Centres during 2013-14.

Sl. No. Name of the

Sl. No.	Name of the	No. of courses conducted	No. of staff trained
..	(1) Refresher Course	20	315
..	(2) Initial Course	24	301
..	(3) Equipment Course	109	729
..	(4) Foundation Course	7	98
..	(5) Pre-promotional	..	..
..	(a) ESMs/MSMs	4	11
..	(b) Group 'C' to 'B'	2	3
..	(c) Promoted JE	4	10
..	(6) Other courses	10	53
..	Other courses	8	34
..	Other courses	9	24

Total 197 .. 1,578**(iv) Signal and Tele-communication Units for 2013-14**

Division

Chennai
Salem
Palakkad
Thiruvananthapuram
Tiruchchirappalli
Madurai

DISTUs

.. .. 5,06,319
.. .. 1,58,874
.. .. 1,63,799
.. .. 1,88,280
.. .. 1,67,971
.. .. 1,34,344

Total .. 13,19,587**ZISTUS****43,37,782**

X. भंडार/STORES

1. Organisation of Stores Department :—

The Stores Department is taking care of Material Management activity and fully committed to arrange adequate quantity of materials, of right quantity, at right time. To meet the requirements of various Departments, 24 stores depots are functioning, spreading over six Divisions of Southern Railway. The Stores department is arranging about 7197 stocked items required on regular basis, apart from procuring high value Non-Stock items through Headquarters, and materials of smaller value through field units.

2. The Details of Stores Depots are as under:—

2.1 General and Divisional Stores Depot :—

Sl. No.	Name of the depot (Depot Code)	Brief function	No. of items stocked	Issue value 2013-14 (in Crs. of ₹)	Staff Strength
1	General Stores Depot, Perambur (00).	Supply of materials required for Chennai Division, mainly ; Supply of uniforms throughout Southern Railway Supply of books and forms & money valued items to Southern Railway, South Western Railway & ICF; Major scrap depot of Southern Railway.	633	155.73	270
2	General Stores Depot, Golden Rock (24).	Supply of materials required for Trichy Division	501	6.82	39
3	Divisional Stores Depot, Erode (13).	Supply of materials required for Salem Division.	425	5.71	14
4	Divisional Stores Depot, Madurai (14).	Supply of materials required for Madurai Division.	382	7.45	33
5	Divisional Stores Depot, Quilon (20).	Supply of materials required for Trivandrum Division.	463	7.39	17
6	General Stores Depot, Palakkad (07).	Supply of materials required for Palakkad Division.	306	4.91	9
7	Coach Maintenance Stores Depot, Basin Bridge (25).	Supply of C&W materials required for Chennai Division.	173	3.97	12

2.2 Depots attached with Diesel/Electric Sheds :

Sl. Nos.	Name of the Depot (Depot Code)	Brief function	No. of items stocked	Issue value 2013-14 (in Crs. of ₹)	Staff Strength
1	Diesel Stores Depot, Erode (08).	Supply of materials required for Diesel Shed, Erode.	1007	19.04	28
2	Diesel Stores Depot, GOC (18).	Supply of materials required for Diesel POH Shed, Goldenrock.	1386	37.25	16
3	Diesel shed/Stores Depot (19).	Supply of materials required for "Diesel Loco Shed"/Goldenrock.	1732	14.07	36
4	Electric Loco Stores Depot, Arakkonam (21).	Supply of materials required for Electric Loco Shed at Arakkonam & Royapuram.	732	12.08	25
5	Electric Loco Stores Depot, Erode (22).	Supply of materials required for Electric Loco Shed /Erode.	617	10.81	19
6	Diesel Stores Depot, Ernakulam (23).	Supply of materials required for Diesel Loco Shed, Ernakulam.	890	7.87	19
7	Diesel Stores Depot, Tondiarpet (26).	Supply of materials required for Diesel Loco Shed, Tondiarpet.	655	4.05	15

2.3. Depots attached with Workshop :

Sl. No.	Name of the depot (Depot Code)	Brief function
1	Loco Stores Depot, Perambur (01).	Supply of materials required for Loco Works, Perambur.
2	Mechanical Stores Depot/ GOC (02)	Supply of materials required for Mechanical Workshop, Golden Rock.
3	Carriage Stores Depot/ Perambur (28).	Supply of materials required for Carriage Works, Perambur.
4	Branch Stores/Arakkonam (09).	Supply of materials required for Engineering Workshop, Arakkonam.

2.4 Depots attached with EMU Sheds :

Sl. No.	Name of the Depot (Depot Code)	Brief function
1	Traction Stores Depot/ Tambaram (10).	Supply of materials required for Traction Depot, Tambaram and Velachery.
2	Traction Stores Depot/ Avadi (27).	Supply of materials required for Traction Depot, Avadi.

2.5 Depots attached to Manufacturing Shops :

Sl. No.	Name of the depot (Depot Code)	Brief function
1	Signal Stores Depot, Podanur (11).	Supply of materials required for Signal & Telecom Workshop, Podanur.
2	Wagon Production, Golden Rock (17).	Supply of materials required for Wagon Production, Workshop, Golden Rock.

2.6 Other Depots :

Sl. No.	Name of the depot (Depot Code)	Brief function
1	Combined scrap Stores Depot, Golden Rock (05).	Receiving of scrap from various shops of central workshop/GOC & other Scrap from Open Line and arranging its disposal through Manual/e-Auctions.

2.7 Printing Press/ Royapuram :

There are two Printing Presses in Southern Railway to meet the requirement of valued items like tickets, EFTs, etc. as under :—

- General Printing Press at Royapuram, Chennai.
- Ticket Printing Factory at Trichy.

As per the extant instructions of Railway Board, the printing work of Construction Organisation, Railway Claims Tribunal, Railway Rate Tribunal, etc. presses.

2.7.(i) Productivity of Printing Press at Royapuram

The production output of the General Printing Press for the year 2013 targeted out turn 7.2 crores per year. This includes standard forms and money-

2.7.(ii) Production of Ticket Printing Factory, Trichy

Tickets are printed at Ticket Printing Factory. For the year 2013-14 printed against the Target of ₹. 4.2 Crores. This is due to the fact that UTS tickets over Southern Railway causing low indent for printing of card tickets and the actual production for the year 02.54 crores is very less against the target. Railway Board TPF / MYS has been closed down on 28.02.2013 and printing is by TPF / TPJ.

Sl. No.	Issue value 2012-13 (in Crs. of ₹)	Staff Strength
10	54.19	95
19	80.64	223
34	134.07	91
54	6.90	22

Sl. No.	Issue value 2012-13 (in Crs. of ₹)	Staff Strength
85	8.40	25
79	12.33	24

Sl. No.	Issue value 2012-13 (in Crs. of ₹)	Staff Strength
281	48.16	38
0	0	43

Sl. No.	Issue value 2012-13 (in Crs. of ₹)	Staff Strength
—	117.99	65

of books and forms and money-

th Western Railway, ICF, RRB, also undertaken by these printing

8.02 crores at DFCI against the use items.

2.54 Crores tickets have been introduced in various stations receipts for the year 2013-14. So, it turn. As per the directives of TPF / MYS has been under taken

3. ISO Certification :

Southern Railway is the first Zonal Railway to get ISO 9001:2000 certification for the purchase office. The same has been upgraded to ISO 9001-2008. and has been renewed upto 22nd August 2014.

4. P L Unification System :

Southern Railway has hosted a common website since April 2012 for PL unification System (PLUS) to facilitate the process of Unification of PL Numbers i.e. assigning of Unified PL Numbers for various temporary PL Numbers i.e. PL Numbers with sub group 98 and 99.

PLUS is an interactive website providing a common platform for all the Zonal Railways to request and receive the Unified PL Number details from the respective nominated Railways. This web site is being utilised by all the Zonal Railways and Production Units.

Globally against 45785 temporary PL Numbers uploaded by various Railways and Production units, 43788 unified PL Numbers have been assigned through this website.

Out of 3065 temporary PL Numbers uploaded by Southern Railway, for 3063 cases Unified PL Numbers have been received and 3045 PL Numbers have been adopted in MMIS and the balance 18 temporary PL Numbers are under scrutiny for adoption.

Southern Railway being the nominated Railway for Groups 28,33,37,71,79,91, has so far received 2311 requests and complied 2289.

5. E-Auction & RTGS:

5.1 E-AUCTION : As per railway Board's directives, Southern Railway has switched over to 100 % e-auction from June 2013 onwards.

Total sale through e-auction during 2013-14 is ₹.214.18 Crores

5.2 RTGS : Southern Railway has collected ₹.151.45 Crores in 2013-14 through RTGS.

5.3 SCRAP DESPATCHES TO RWF/YNK:

Against Railway Board's target of 15,000 MTs, Southern Railway has despatched 21,500 MTs. of Scrap rails to RWF / YNK.

6. Stores Balance-(2013-2014)

(Figs. in crores of ₹)

	Maintenance	Works	Total
(I) Opening Balance			
Phy. stock without Adjustment	93.25	0.23	93.48
Adjustment	-0.15	0.00	-0.15
Stores Suspense balance	-37.27	0.00	-37.27
Total as per approx accounts	55.83	0.23	56.06
(ii) Receipts during the year	1715.99	0.09	1716.08
(iii) Issues during the year	1649.05	0.08	1649.13
(iv) Closing Balance			
Phy. stock without Adjustment	122.77	0.24	123.01
Adjustment	-0.15	0.00	-0.15
Stores Suspense balance	-5.79	0.00	-5.79
Total as per approx accounts	116.83	0.24	117.07

7. Inventory Performance 2013-14

(figs in crores of ₹)

1) Overall Balance without fuel as on 31/3/2014	- 122.05
2) Overall Balance with fuel as on 31/3/2014	- 156.99
3) Total Issues (without fuel)	- 764.08
4) Total Issues (with fuel)	- 1649.14
5) Turn Over Ratio (without fuel)	- 15.97 %
6) Turn Over Ratio (with fuel)	- 9.52 %

8. Economy Effected In Stationery and Other Materials.

Stringent economy is enforced in the utilisation of stationery and other materials.

9. Purchase of Stores**9.1 Purchase -Value of Railway Equipment and Stores 2013-14**

(Attested by Finance and includes Track Materials also)

1. Total value of equipment & stores
2. Value of stores ordered through department of supply (DGS & D)
3. Value of stores ordered through Railway Board
4. Value of stores ordered by the Railway Direct.

9.2 Details of purchases of Stores (2013-14)

Every year about 4,200 stock orders and 900 non-stock orders are released.

1. Materials imported direct
2. Materials imported through agencies in India
3. Total imported direct and through agencies
4. Indigenous materials
5. Total imported and indigenous
6. Percentage of items (4) over (5)

9.3 Purchase From Khadi, Cottage And SSI Units

Value of purchases falling within the category of khadi, cottage and small scale industries for the year 2013-14 amounted to ₹ 40.66 Crs.

10. Supply Position of Materials

- a. General :— The supply position of materials was generally satisfactory.
- b. Steel :— Statement showing supply position of Pig Iron, steel, etc. (2013-14)

Sl. No.	Item	Quantity indented during the year	Stock at the beginning of the year
1	Pig Iron	12.000	0
2	Structural	559.886	295.245
3	Plates	2646.255	432.82
4	Sheets	1785.488	201.556
5	Spring Steel	768.563	4.115
6	Tool Alloy & Steel Plates	—	—

11. Disposal of Scrap - During 2013-14, Southern Railway generated a revenue of ₹ 307.17 Crores, by sale of various Scrap items :—

Category of Scrap	Balance as on 01.04.13		Receipts during the year		Scrap off during the year
	Qty/ MT	Value (in Crs. of ₹)	Qty/ MT	Value (in Crs. of ₹)	Qty/ MT
I. Ferrous Scrap					
a. P. Way scrap	7159	20.01	60708	162.15	60257
b. Other than P. Way scrap	77	0.21	26913	70.37	26244

general usage.

(figs. in crores of ₹)

- 4225.49
- 6.91
- 3250.68
- 967.90

office of the COS

(figures in crores of ₹)

- 32.01
- 0
- 32.01
- 4193.48
- 4225.49
- 99.24 %

industrial products during the

(figure in Metric Tons)

Receipts during the year	Issues during the year
14.945	12.000
172.481	173.098
465.795	2661.296
420.139	1567.728
9.563	45.200
—	—

₹ 307.17 Crores, by sale of

Closed during the year	Balance as on 01.04.2014	
	Value (in Crs. of ₹)	Value (in Crs. of ₹)
61.94	7610	20.22
68.58	766	02.00

Category of Scrap	Balance as on 01.04.12		Receipts during the year		Scrap Disposed off during the year		Balance as on 01.04.2013	
	Qty/ MT	Value (in Crs. of ₹)	Qty/ MT	Value (in Crs. of ₹)	Qty/ MT	Value (in Crs. of ₹)	Qty/ MT	Value (in Crs. of ₹)
II. Non-ferrous Scrap.	52	0.59	3882	46.83	3785	45.62	149	01.80
III. Rolling Stock	Qty./No.	Value (in Crs. of ₹)	Qty./No.	Value (in Crs. of ₹)	Qty./No.	Value (in Crs. of ₹)	Qty./No.	Value (in Crs. of ₹)
a. Wagon	3	0.07	309	8.72	303	8.54	9	0.25
b. Coaches	8	0.40	126	6.39	116	5.88	18	0.91
c. Locos	0	0	12	4.61	6	2.31	6	2.30
IV. Misc. Scrap	Qty/ No.	Value (in Crs. of ₹)	Qty/ No.	Value (in Crs. of ₹)	Qty/ No.	Value (in Crs. of ₹)	Qty/ No.	Value (in Crs. of ₹)
Misc. Scrap (*) in MT.	124	0.41	4009	8.83	3832	8.57	301	0.67
Misc. Scrap in No.	113	0.38	39083	5.36	39173	5.73	23	0.01

(*) - Misc Scrap includes T&P items, Machineries, Paper, Glass, etc.- some of which is quantified in Nos. and some others weighed on MTs.

Scrap Reclamation :

Ferrous Scrap	:	25.002 mt.	Value	0.06 Crs.
Non-Ferrous Scrap	:	204.486 mt.	Value	2.24 Crs.
Misc.	:	16.532 mt.	Value	0.03 Crs.

12. Supply of Uniforms

Clothing Factory : This is functioning at General Stores Depot, Perambur caters to the uniform requirement of Southern Railway. Depending upon the scales uniforms are issued to the eligible staff and compliance is as under:-

Type of Fabric	No. of garments indented for	No. of Garments actually supplied	No. of Garments to be supplied	% of compliance
Terrycotton	49,430	36,471	12,959	73.78%
Serge (Winter)	Nil	Nil	Nil	Nil
Total	49,430	36,471	12,959	73.78%

In addition, 26,431 Nos. of ready made garments and 1,97,038 bedroll items were issued during 2013-14.

13. Receipt, Inspection & Issues of Stores

13.1 Statistics on Receipts and Inspection :—

	2011-12	2012-13	2013-14
1. No. of Staff for clerical and supervision work (Nos.)	94	84	84
2. Yearly Expenditure of staff (₹ in Lakhs.)	380.24	357.69	410.19
3. Value of stores inspected/received (₹ in Lakhs)	49,012.67	54,961.92	61,617.25
4. Cost of receipts and inspection per ₹ 100 of value of stores	0.78	0.65	0.67
5. Receipt notes granted per clerk per month ..	36	47	42

13.2 Statics on Accounts and Departmental Stock Verification

	2011-12	2-13	2013-14
1. Percentage of items verified			
(a) with no discrepancy.	99.56	1.16	99.36
(b) with discrepancies			
Upto limit of ₹ 50/-	0.03	.05	0.11
Upto limit of ₹ 1000/-	0.14	.10	0.13
Above the limit of ₹ 1000/-	0.27	.70	0.40

13.3 Loss and gain brought to light as a result of departmental and units verification (Stores Depots only).

(₹ in Lakhs)				
Year	Loss	Gain	Net Gain	Net Loss
2009-10	4.94	5.54	0.60	..
2010-11	0.38	0.53	0.37	..
2011-12	1.66	0.90	..	0.76
2012-13	3.18	7.27	4.09	..
2013-14	2.51	7.36	4.84	..

13.4 Statistic on Unit cost of Issues

	2011-12	2012-13	2013-14
1. Value of stores issued during the year from the depots (figures in lakhs of ₹).	82717.88	4019.98	76407.66
2. Pay and Allowances of depot staff (figures in lakhs of ₹).	1815.46	1947.48	2120.23
3. Cost of making issues worth ₹ 100/-	2.19	2.63	2.77

14. Availability of items (as on 31st March 2013)

1. Total No. of stocked	..	..	..	..	..
2. No. of items available	..	..	..	..	..
3. Percentage	..	..	..	..	9

15. Overstock and Surplus Stores

(Value in lakh)		
Details	As on 31-3-2013	As on 31-3-2014
1. Surplus	36.21	39.03
2. Over Stock	192.71	125.26

16. Printing Press

16.1 Production :— The total out-turn of Press/RPM of the year was as under

Items	Value of Books and forms printed (in lakh of ₹)	Value tick (in	Card inted of ₹)	Total
Work done for S.Rly.	835.15		52	980.67
Work done for other Rlys.	145.32		15	166.47
Total	980.47		67	1147.14

16.2 Paper consumption for Press during the year 2013-14

For general stationery/Printing of Forms and Books, and for stations and ticket offices, Boards – 475 MTs.

16.3 Out-turn of Forms, Money Value Books and Card Tickets. –

Particulars	Books, Forms & Money value Items (In terms of Books)	Card Tickets printed in Numbers
(i) Work done for S.Rly		
2009-2010	23,73,255	5,75,84,300
2010-2011	24,64,594	3,46,33,450
2011-2012	28,42,689	2,69,87,000
2012-2013	31,58,828	3,07,01,800
2013-2014	19,33,483	2,22,46,200
(ii) Work done for others		
2009-2010	1,58,740	5,10,350
2010-2011	1,81,500	1,78,200
2011-2012	2,86,083	2,68,800
2012-2013	3,12,155	5,76,950
2013-2014	5,72,093	32,33,350

17. Shipping and Imports :

The details of Imported Cargo cleared during 2013-14 is as under :

Sl. No.	Description	Qty.	Qty. in MT	No. of containers
1	Wheels Solid rough Turned for Metro Coaches for Kolkatta Metro to Drg No. MRB/M-0-2-003 alt.D/2 with Specification IRS-R-19/93(part II).	908 Nos.	323	16

18. Right to Information Act .

A total No. of 71 RTI applications were dealt with during 2013-14 for which required information was given. In addition, 5 RTI appeals were also disposed.



XI. चिकित्सा/MEDICAL

Salient Features of Medical Department

Medical Department of this Railway provides comprehensive health service, both preventive and curative service to the Railway employees and their families/dependents and retired employees. Total number of employees presently working in Southern Railway are 1,02,525 and 66,007 retired employees have also registered in the RELHS for availing the health facilities. The total number of Railway beneficiaries are 4,10,100.

The total bed strength of this Railway for providing inpatient care is 1236. 42 Health Units are functioning at different stations on this Railway and there are 13 lock-up dispensaries. A total of 198 doctors, 21 Group B Officers consisting of ANO, AHO, AHEO, APO and APHO. About 1932 para medical staff consisting of 515 Nursing Personnel and other para medical categories are also working in this Railway.

5 Divisional Hospitals viz. : Arakkonam—with 50 beds
Golden Rock—with 197 beds
Madurai—with 115 beds
Palakkad—with 106 beds
Trivandrum—with 54 beds.

4 Sub-Divisional Hospitals viz.: Villupuram —with 26 beds
Erode—with 30 beds
Podanur—with 28 beds
Shoranur—with 24 beds.

Lock up Dispensaries viz : Kadaperi, Kumbakonam, Thiruthuraiipoondi, Needamangalam, Ariyalur, Athur, Chinnasalem, Chidambaram, Nagappattinam, Manaparai, Milavittan, Pattukottai, Rameswaram.

ARME

SPART at MAS and ARME SCALE I AND SCALE II in the following locations :—

ARME Scale I			ARME Scale II		
Division	Broad Gauge	Metre Gauge	Broad Gauge	Metre Gauge	Narrow Gauge
Chennai	Jolarpettai, Chennai Central	..	Arakkonam Katpadi Sullurpet	..	..
Golden Rock	Tiruchchirappalli Villupuram Tiruvarur	..	Virudhachalam Mayavaram Tiruvannamalai	..	..
Madurai	Madurai Sengottai	..	Dindugul Karaikudi Manamadurai Mandapam Virudhunagar Tirunelveli Tuticorin Palani	..	..

ARME Scale I	
Division	Broad Gauge

Palakkad Mangalore
Shoranur

Trivan- Emakulam
drum Trivandrum

Salem Erode

42 Health Units viz.

Chennai Divn. : 11—J New Genl. Office, Cher Tambaram, Chenglepe

Tiruchchirappalli Divn. Fort, Srirangam, Mayiladuthurai, Tiruvaru

Madurai Divn. : 9—Dir Sengottai, Tuticorin, Ma

Palakkad Divn. : 4—M

Trivandrum Divn. : Nagercoil, Trichur, Allep

Salem Divn. : 4—Sale

Statistics

Man Power	Sta Stren
-----------	--------------

Doctors 198

Nurses 515

Other paramedical 1,93

From : Ap

Health Care :

Total OPD Nos.	..	21,47,269
Total IPD Nos.	..	39,842
Major Surgeries	..	3,191
Special Surgeries	..	2,308
Minor Surgeries	..	3,760

Industrial Health :

Total No. of RMCs Issued	..	93,562
Total No. of Man- days	..	11,59,792
Man-day's lost due to IO	..	52,847

ARME Scale II		
Broad Gauge	Metre Gauge	Narrow Gauge

Cannanore Pollachi ..
Calicut
Palghat
Nagercoil
Quillon
Kottayam
Alleppey
Trichur
Podanur
Salem .. Coonoor
Karur

itai, Katpadi, Haffieldpet, Avadi, more, Tondiarpet, Royapuram, urpet.

Tiruchchirappalli Junction, Trichy achalam, Tiruvannamalai, ore.

Mandapam, Palani, Karaikudi, urai, Tirunelveli, Virudhunagar.

ore, Cannore, Calicut, Pollachi.

nakulam, Quilon, Kottayam,

utupalayam, Karur, Coonoor.

On Roll	Vacancies
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151 47

497 18

3 to March-2014

Perambur Hospital

Railway Hospital, Perambur is a 505-bedded hospital. This is a referral hospital not only for the beneficiaries of Southern Railway, but also for the whole Indian Railways for Cardiology, Cardio-Vascular surgery and Nephrology for which patients are referred from all over Indian Railways.

National Board of Examinations has recognized this hospital for training of D.N.B candidates in Medicine, Cardiology, Surgery, Obstetrics & Gynaecology, Paediatrics, ENT, Anaesthesia, Cardiovascular Surgery, Family Medicine and Orthopaedics. It is also recognized by the Royal college of Surgeons, Edinburgh, for part II FRCS examinations.

Hospital information management system is available in this hospital. The computers are installed in various units of the hospital with a connection to central machine with Magnum Module. Computerisation is being done in other areas of work of the hospital. The data are used not only for clinical and research work, but also for inventory control, office automation, drug and equipment stores other auxiliary units etc.

1. (a) Department of Cardiology :

The department of Cardiology and Cardiac Surgery is an all India Referral Centre for all types of heart diseases. A state of the art second Cardiac Catheterisation was inaugurated by DG/RHS/NDLS on 08.03.2014

In the year 2013-2014, 680 Open Heart Surgeries and 35 closed Heart Surgeries (this includes various surgical procedures for coronary artery diseases, congenital heart disease and rheumatic heart disease) were done. About 395 PTMC, PTCA, PVP, PTR and 1564 Cardiac Catheterization and Coronary Angiography were performed last year.

A very active teaching programme exists with regular seminars, journal reviews and cardiovascular surgery lectures in the departments of Cardiology and Cardio Vascular surgery.

This is an all India referral center for cardiac evaluation and management. This department undertakes treatment of all types of cardiac procedures like cardiac catheterization, coronary angioplasty, pulmonary valvuloplasty, permanent pacemaker implantation, electrophysiology study etc. The department has got almost all the equipment for treating cardiac patients, including two cath Labs, IVUS, 2D echocardiogram with colour Doppler system, Holter monitoring system, Treadmill machines, etc.

(b) Department of Cardiac Surgery :

The department of cardiac surgery performs about 1000 open-heart surgeries a year. The spectrum of work includes coronary artery bypass grafting, all types of valve repairs and replacements, congenital corrective surgeries, etc. In the recent years, beating heart surgery is very popular avoiding usage of heart lung machine.

2. Department of Nephrology :

Full-fledged nephrology unit, which is a referral center for the Indian Railways, is functioning. All therapeutic measures, short of transplant are being done here. However, a transplant programme in collaboration with private hospital is available. In 2013-14 5,873 haemodialysis, 6 transplants, 25 CAPD continuous ambulatory peritoneal dialysis were performed during the year.

3. Department of General Medicine :

This department has a total of 142 beds, inclusive of 10 ICU beds and 7 semi ICU beds. The modern intensive care unit is known for its quality of work particularly for managing emergencies. The specialized services provided are ultrasound for ward patients, endoscopy, bronchoscopy, thoracoscopy, bronchoalveolar lavage and transbronchial biopsy. EEG, renal biopsy, spirometry, ventilator assistance, pacemaker facility etc.

Well-equipped intensive care unit with non-invasive and invasive diagnostic techniques are available for effective management of medical cases. 1464 endoscopies were performed during the year. This department is recognised by National Board of Examinations for Post Graduate degree in medicine.

4. Department of General Surgery :

This department is now a major wing of the hospital, backed by the latest equipment and a dedicated team of surgeons. There has been a vast increase in the quality and quantity of operations done in the recent years.

Latest sophisticated equipments like contact laser, fibre-optic endoscopes and laparoscopic surgical equipments backed by efficient team of qualified surgical expertise, are available in this Department. All types of surgeries are carried out by our eminent surgeons. This department is recognised by National Board of Examinations for Post Graduate degree in General Surgery.

5. Department of Obstetrics & Gynaecology :

The Obstetrics & Gynaecology department has got 52 beds in its wards. About one thousand deliveries are conducted every year. This department is well-equipped and offers good quality service to the patients. This department is recognised by National Board of Examinations for Post Graduate degree in Obstetrics and Gynaecology.

6. Department of Paediatrics :

Department of Paediatrics has got 60 beds in its wards. This department is well equipped and offers good quality treatment to the patients. Neo Natology ICU is also available. This department is recognised by National Board of Examination for post graduate degree in Paediatrics.

7. Department of Psychiatry :

A full-fledged department of Psychiatry is functioning in this hospital. Deaddiction center, Memory clinic, Counseling Centers are available to conduct regular awareness programmes every month for employees.

8. Department of Orthopaedics :

The department of orthopaedics has been upgraded and all orthopaedic surgeries including spinal surgery, hip and knee replacements are being done in this department. This department is recognised by National Board of Examination for post graduate degree in Orthopaedics. As special surgeries in 2013-14 a Total of 18 Hip replacement surgery, 30 Knee replacement and 55 Hip modular Bipolar, Hemiarthoplasty surgery were conducted.

9. Department of Otolaryngology :

The ENT department has got full-fledged endoscopic facilities, microlaryngeal surgical facilities and Micro Ear surgery facilities. Airway Laser surgical procedures are regularly done.

10. Department of Ophthalmology :

Intra-ocular lens implantation and other routine procedures are done in Ophthalmology. About 1,957 cataract operations were performed during the year 2013-2014.

11. Department of Radiology :

Department of Radiology has facility to do, apart from routine procedures, contrast studies and ultrasound scanning.

12. Department of Laboratory Medicine :

This hospital has a well-equipped laboratory, which consists of a blood bank, serology lab. and microbiology. Screening for HIV and serum Hepatitis B and C are routinely done.

13. Department of Telemedicine :

Telemedicine facility is available between Railway Hospital, Perambur and Zonal Railway Hospitals, such as Maligaon, N.F.Railway, Danapur E.C Railway, Central Hospital, Allahabad N.C. Railway.

Connectivity is also available between Railway Hospital Perambur and all other divisional hospitals in Southern Railway.

NEW TECHNOLOGIES ADOPTED IN 2013-14 at Headquarters Hospital Perambur :**MEDICINE:**

1. Porex Tracheotomy guide wire method.
2. USG guided Central Venous line placement.
3. Above the cuff suction tight ET usage with US guided Biopsy.
4. Narrow Band image Bronchoscope.
5. Leur lock of 2 way connection in icu to reduce infections.
6. Fully sealed unidirectional Urobag.
7. Trans- bronchial glue application for Pneumothorax via Bronchoscope, Laser application for benign tracheal lesions via bronchoscope were performed.
8. Radio Frequency Ablation(RFA) of Idiopathic Ventricular Tachycardia using-contact mapping system:

ENT:

1. Sleep Uvulopalatop
2. Otoacoustic hearing and
3. ENT console
4. Cochlear Imp
5. Speech Ther

OPHTHALMOLOGY :

1. Panretinal ph
2. Glueless, sut phacotrab for

ORTHOPAEDICS :

1. Pedicle screw
2. Immunofluor Ophthalmology
3. Glueless, sut phacotrab for

SURGERY:

1. Advanced Lap
2. Laproscopic C
3. Installation of facilitating Adv

OUT PATIENT SERVICE

Extension Communicatio through LAN to

14. Best Health Unit :

To improve efficient customer satisfaction, a shield for best Health Health Units every year Division has been adjud shield was presented celebrations.

15. Public Health :

Public health wing important stations and c safe drinking water to the population. Control a diseases is a major work station contracts, Water promotion, Family Welfa

16. FSSA-2011 :

PFA act 1954 has t and New Food Safety implemented from Sept Food Safety Wing const Officer), and Three FSC formed to implement the New food licenses to ca wing.

der Surgery like ioplasty. sion neonatal screening for ar status. al) for recording information. pport group started. vices started.

regulation. s autograft for Pterygium and ct with glaucoma started.

on for scoliosis. it Microscopy introduced (autograft for Pterygium and ct with glaucoma started.

opic surgeries. gical surgeries. nced C-Arm Image Intensifier Urological Procedures.

ACS (Picture Archiving stem) to all wards and OPD the Digital X-rays started.

health services and to ensure shield called "CMD's Rolling is given to the best maintained year HU/QLN of Trivandram the Best Health Unit and the M during the Railway week

oking after the sanitation of s and monitoring the quality of ing public as well as to Railway evention of communicable s wing. Environmental Health- od Quality control (QC), Health

pealed during August 2011 andards Act 2006 has been 2011 onwards. A separate of One DO- (Designated d Safety Officer) have been hroughout Southern Railway. units are being issued by this

Food samples were collected regularly and sent for analysis and action initiated. Details of Food samples collected during 2013-2014 are given below:

No. of food samples collected	-	101
No. found adulterated / Misbranded	-	21

A Food and Nutrition seminar was conducted by TVC Division for Commercial Inspectors, Health Inspectors, Food stall Licensees and Food Handler at Ernakulam on 29th Oct. 2013.

A FSSAI Awareness session was conducted at CMS Office Egmore by Designated officer and FSO's for Health Inspection of Chennai Division on 16-4-2014.

Quality of water supplied at stations and colonies are monitored by conducting regular tests for residual chlorine and for bacteriological and chemical analysis. Details of water samples found fit during 2013-2014 are given below.

1. For Bacteriological analysis - 72.00 %
2. For Residual Chlorine - 78.00 %

Water Samples Tested

Bacteriological test

No. of samples collected - 5408

Residual Chlorine test

No. of samples collected - 52505

17. Sanitation and Cleanliness :

Cleanliness of A1, A & B category stations under medical department are monitored round the clock by evaluating the standard of cleanliness. Southern Railway has A1=8, A= 41 B10 category stations among which 50 stations have been provided with mechanized cleaning. 46 stations were outsourced for comprehensive cleaning which included station sanitation, rag picking & garbage disposal. Posts of Health Inspectors were created and each divisions were posted with one Assistant Health Officers to improve the standard of cleanliness. A1- category station MAS & MS of Chennai Division are posted with AHO and they are monitoring the cleaning activities round the clock. Modern equipments and machineries were introduced to improve and maintain the standard of sanitation at higher order.

In order to improve the standard of cleanliness daily at A1, A & B category stations, a check list and scoring sheets have been formulated and provided to all Health Inspectors for daily assessment and grading. This is closely being monitored by AHO,s , Sr.DMO's and Chief Medical Superintendents. All these efforts are taken to attain high standard of cleanliness by constant monitoring and effective supervisions

18. School Health Service :

Regular medical checkup is conducted in all the Railway Schools. Each student is supplied with a printed booklet in which all his parameters are recorded. In the Year 11 School Health camps were conducted for evaluation of 5228 students .

19. Family Welfare Programme :

Reproductive and Child Health services are rendered to the Railway beneficiaries effectively. Regular well baby clinic, Antenatal clinic, Immunization clinic, well baby shows etc. are conducted through out Southern Railway.

During the reporting year 2013-2014, 6 Laparoscopic camps were conducted. A total of 385 sterilizations and 10 vasectomy operations were performed during the year in Southern Railway.

In order to create a healthy competition among the divisions "Best FW Centre" award is being given every year to the best performed Family welfare center. This year this award was given to the FWC/RH/PER.

FW PERFORMANCE FROM JAN. - DEC. 2013

Divin.	Railway		Non Railway		Total	IUD	OP	CC	MTP
	VAS	TUB	VAS	TUB					
PER	2	112	0	132	246	44	300	39500	47
MAS	4	27	0	0	831	11	106	50170	0
TPJ	2	31	0	14	47	12	60	12720	5
MDU	1	24	0	2	27	11	24	14550	0
PGT	1	9	0	0	10	15	0	12180	0
SA	2	4	0	1	7	0	0	4900	0
TVC	3	4	0	0	7	2	0	12790	0
Total	15	211	0	149	375	95	490	146810	52

20. Health Promotion :

Towards health promotion, we are organising Health Education campaigns by way of classes, Exhibitions, Quiz programmes etc., covering various Communicable and non communicable diseases at Colonies, Offices, Workshops, Yards, Training schools and Railway schools, etc.

Health Camps -18 - Beneficiaries - 5879

Health Education activities 39 Beneficiaries - 10187

DISEASE PREVENTION & HEALTH PROMOTION ACTIVITIES - JAN. - DEC. 2013

Divin.	Com.diseases		Non Com.diseases		School Health		Mental Health		Work Place/Instn	
	Camps	Beneficiaries	Camps	beneficiaries	Camps	beneficiaries	Camps	beneficiaries	Camps	beneficiaries
PER	3	2533	5	480	1	944	2	160	7	460
MAS	2	22962	114	11914	3	1800	2	350	7	286
TPJ	9	7293	17	1596	3	1062	0	0	43	1038
MDU	25	9638	51	3270	1	423	1	120	16	237
PGT	3	4211	28	1438	1	399	1	65	5	262
SA	5	6299	2	260	2	600	0	0	4	244
TVC	12	6708	77	8219	0	0	0	0	75	740
Total	59	60044	294	27177	11	5228	6	695	157	3267

21. HIV/AIDS Control

Various awareness programmes, cultural shows, dramas, etc., are routinely conducted to create awareness about HIV/AIDS. Our current pool size of HIV/AIDS is 418, which includes 250 asymptomatic cases and 168 full blown AIDS cases. All the HIV cases are regularly followed up and required care and support have been rendered by the counselors, attached to the four Integrated Counseling and Testing Centers (ICTC) in Southern Railway. Anti Retroviral Treatment is being administered at Railway Hospital Perambur to all the people living with HIV Positive to enhance the quality of life.

Divisions	Hiv Tested	HIV Positive	Death	CPS
PER	18975	4	1	60
MAS	3103	15	8	166
TPJ	2853	3	9	71
MDU	340	3	0	68
PGT	178	0	0	9
SA	55	1	1	34
TVC	501	2	0	10
TOTAL	26005	28	19	418

22. Pulse Polio Immunisation :

Pulse Polio Immunisation was given to 25,909 children below 5 years during campaign in February 2014.

23. Control of Tuberculosis :

Health education classes were conducted by Medical Officers of S. Rly. and health education materials were distributed. Screening camps were conducted at Divl. Hospitals and Health Units on Southern Railway.

All TB patients registered are being given Anti-TB drugs without any interruption under DOTS. Protein food supplement are given to TB patients.

24. St. John's Ambulance Brigade, No.20, S.Rly.Dist :

No XX Southern Railway district of SJAB is functioning effectively and First Aid Training to staff are imparted regularly. The following are the highlights of SJAB activities during the year 2013-14.

1. 47th Annual District Training camp was conducted at TPJ from 30.07.2013 to 02.08.2013.
2. St. John's Ambulance member attended the Chitherei Train Accident/derailment on April 30, 2013 and Tamilnadu Express Fire accident at Nellore on July 30, 2013 and helped in, evacuation First Aid and transportation of the victims and injured to nearby hospitals.
3. First Aid Training and examination were conducted in Health Unit/Egmore, Health Unit/Tambaram, Railway Hospital/ Palghat, CWM/CW/Perambur and CWM/LW/Perambur.
4. During the year about 175 new members to SJAB were enrolled.
5. Shri G. Manigandan, OS/CTO/PER Assistant Commissioner/HQ. SJAB received GM award for saving a family during fire accident.
6. Miss. F. R. Gnanaselvi, received General Manager, Southern Railway Award during Railway week celebration for 2013-14.

MADRAS DIVISION : The Medical Branch Headquarters of Madras Division is at Madras Egmore and Chief Medical Superintendent is in-charge of the division. The Divisional hospital is located at Arakkonam has 50 beds with a well equipped operation theatre, Laboratory and Maternity care facilities. Regular family planning operations are done at Arakkonam. Sterilisation are done with the latest laparoscopic Technology. Apart from Health units, one lockup dispensary is functioning at Kadaperi. ARME scale I is available at

Jolarpettai and Chennai Arakonam and Sullur functioning with sophisticated facilities are available at and 50 MA Xray machine Chennai Division is functional MS. This FWC takes programme, small family oriented programmes at

NEW CLEANLINESS CENTRE STATIONS :

Sl.No.	Station	Class
1.	TRT	B
2.	AMBUR	B

TIRUCHCHIRAPALLI DIVISION for Tiruchchirappalli Division of 197 and a Sub-Division Villupuram with bed strength 26. Goldenrock caters to 8 health units (at Madurai, Trichy Junction, Tiruvannamalai). The TPJ Division. In the specialised works are Divisional Hospital has House surgeonship and presently available.

NEW TECHNOLOGIES/

1. Auto Refractometer
2. Centralised ICU
3. ENT operating
4. Phacoemulsification procedures.

INFRASTRUCTURE :

1. Commissioning of Ward Block 2nd Floor in
2. 60 bedded New Medical Ward.

List of equipments

Sl.No.	Name of the
1.	Central Cardiac System (ICU)
2.	Phaco Emulsification Vitrectomy system
3.	Auto Refractometer
4.	Operating Otorhinolaryngology
5.	Ventilator Adult
6.	Antenatal Monitoring (CTG Machine)

CHENNAI DIVISION with 115 beds and the Karaikudi, Manamadu Palani, Sengottai, T. Officers have been posted and specialised work. This hospital is recognised by MCI for Senior House Surgeonship and the

At Egmore, dental clinic is Dental equipment. X-ray machine and Arakonam with 300 MA The family welfare centre for at Egmore, with Sr.DMO/FWC/MS in connection with MCH and immunisation. All Health programmes conducted by this FWC.

ACT DUE TO UPGRADATED

Awarded on	Period of Contract
3.05.2013	2 YEARS
1.11.2013	2 YEARS

1: There is a Divisional Hospital Golden Rock with bed strength 26. Railway Hospital, Tiruchchirappalli division with the help of Madurai, Srirangam, Trichy Fort, Vridhachalam, Tanjore and 32 Medical Officers posted in Divisional Hospital all routine and specialised work done in all the fields. The hospital is recognised by MCI for Senior House Surgeons are 3 senior House Surgeons

ED :

1. Cataract evaluation
2. Corneal grafting system
3. Endoscopic procedures
4. Surgery with Anterior Vitrectomy

General Surgical and Orthopaedic at 2013.

Ward Block (2nd Floor) for Female

Commissioned during the year 2013-2014:

Equipments	Date of Installation
Operating	24.05.2013
Phaco & Anterior	24.06.2013
Refractometer	05.02.2014
Microscope	06.03.2014
Paediatric	18.03.2014
Monitoring system	05.04.2014

is a divisional hospital at Madurai with 10 Health units at Dindigul, Madurai, Pollachi, Virudhunagar, and Mandapam. 23 Medical Officers are posted in the hospital. All the routine work is being conducted in the hospital. The hospital is recognised by MCI for Senior House Surgeons are three senior House surgeons.

NEW TECHNOLOGIES ADOPTED :

1. Special surgeries - 35 Nos. were done such as Endoscopic retrograde cholangic pancreatogram surgery, Knee replacement surgery, Arthroscopic knee surgery, Laparoscopic surgeries, ERCP, Neuro-surgeries, Thoracotomy, Esophagotomy, Polytrauma, Spinal surgery with the assistance of visiting consultants.

2. Continuous Ambulatory Peritoneal Dialysis (CAPD) treatment was started.

INFRASTRUCTURE :

1. New OPD Block inaugurated by CMD/MAS on 26.08.2013.

2. Centralised Oxygen Plant commissioned in March 2014.

3. New Anesthesia Work-station commissioned.

PALGHAT DIVISION : The Divisional Hospital at Palghat is well equipped. All the routine and specialised works are being done in the divisional hospital at Palghat. It has a well equipped ICU unit. This hospital is also recognised by MCI for Senior House Surgeonship. There are 3 Senior House Surgeons available here. The Sub-Divisional Hospital at Shoranur is also well equipped. The total bed strength in the division is 132 and 17 Medical Officers have been posted in this Division. There are 4 Health Units at Kozhikkode, Cannanur, Calicut, and Mangalore.

INFRASTRUCTURE :

1. Hematology three part analyzer Lab was commissioned during the year.

2. Fully automatic Biochemistry analyzer Lab was commissioned during the year.

SALEM DIVISION : The Divisional Headquarters is at Salem. In this division, there are two Sub-Divisional Hospitals, one at Podanur and one at Erode, which are well equipped. The total bed strength in the division is 62 and 9 Medical Officers have been posted in this Division. There are 3 Health Units at Coonoor, Mettupalayam, and Karur, in addition to the Health Unit at Salem.

1. New Technologies adopted : Contract bills and suppliers are sent to associate Finance duly after AFRES in accounts module.

2. INFRASTRUCTURE : Re-construction work of new divisional hospital at ED at a cost of 5.13 crores started.

New cleanliness contracts :

The contract for cleanliness of Divisional Office building for a period of two years from 01.11.2013 to 31.10.2015 at Total cost of ₹ 37,44,00.

TRIVANDRUM DIVISION : There is a well equipped 54 bedded Divisional Hospital at Trivandrum Pettah. There are 6 Health Units at Quilon, Ernakulam, Nagercoil, Kottayam Trichur & Alleppey. One more Medical out post is functioning at Thycad- TVC, twice a week for the convenience of the Divisional office staff.

The Medical department in TVC division is functioning under the overall control of the Chief Medical Superintendent. The Hospital at TVC has a sanctioned strength of 9 doctors. A Dental clinic is also functioning at RH/TVC with a full time DDS.

In the Divisional Hospital Pettah, There are 50 beds with facilities for X-ray, ECG & Lab. Investigations are available. A physiotherapy unit with all major equipments is also functioning. One Intensive Care Unit with 4 Beds are also available.

ACHIEVEMENTS DURING THE YEAR**1. Special Surgeries performed :**

a. 6 kg. uterine fibroid occupying the entire abdomen of a 52 yrs. Old lady was removed at RH/TVP, which was widely reported in the media.

b. Rare surgery for lower lumbar hernia repaired with pareitex mesh (only 300 cases reported so far in the world).

c. Large left staghorn calculus occupying the entire kidney operated by Open Pyelo lithotomy.

2. Commissioning of the Physiotherapy unit at RH/TVP

3. New meeting hall was commissioned.

4. As part of World Diabetes Day observation, MCR chapels supplied to 25 selected diabetic employees for diabetic foot care.

5. Outsourcing of investigation facilities at HU/NCJ.

2. Statistics for the year 2012-2013 and 2013-14

Sl. No.	Particulars	2012-13	2013-14
1	Total No. of staff	1,06,074	1,02,525
2	Cost of Medical services	1,66,01,83,000	1,73,42,40,500
3	Cost of Medical services per head per annum.	15,651.17	16,915.29
4	Cost of Health service in thousands of rupees.	27,44,67,000	32,49,93,000
5	Cost of Health service per head per annum.	2587.50	3169.89
6	(a) Cost of drugs in rupees (b) Total amount of reimbursement in rupees	56,68,07,000	50,05,11,500
7	Total cost of Medical & Health service per annum per head in ₹	18,238.67	20,085.18
8	No. of Rly. employees & their families treated—New cases.	4,15,956	4,16,988
9	No. of females & children treated—New cases.	1,47,084	1,57,202
10	Daily average—out door attendance of Rly. employees & their families at Rly. Hospital/ health units/ old & new cases.	4943	4722
11	No. of Hospital	10	10
12	No. of Health Units A With beds B Without beds	41 1	41 1
13	No. of railway population per Railway Hospital/ health unit.	12445	9675
14	No. of chest clinics	7	7

2. Statistics for the year 2012-2013 and 2013-14

Sl. No.	Particulars	2012-13	2013-14	Sl. No.	Particulars	2012-13	2013-14
15	No. of dental clinics	6	6	24	No. of Rly. Population	2733	3308
16	No. of maternity clinics	26	26	25	No. of Mobile vans	0	0
17	No. of beds			26	Accident relief medicine		
A	General	862	862	A	ARME scale I	11	11
B	TB	57	57	B	ARME scale II	26	26
C	Maternity	126	126	27	No. of operations		
D	Isolated	5	5	A	Major	5826	5499
E	ICCU	85	85	B	Minor	2924	3760
Total		1135	1135	C	Trivial	7283	9933
18	Health units			28	Family welfare activities		
A	Emergency beds	52	52	A	Centres	4	4
B	Maternity beds	18	18	B	Sub-Centres	2	2
19	Total no. of beds in hospitals/ health units, chest clinics etc.	1205	1205	29	No. of sterilization cases performed		
20	No. of beds per 1000 Rly. employees including TB beds.	10.7	11.0	A	Tubectomy	447	375
21	No. of beds per 1000 Rly. employees excluding TB beds.	10.16	10.06	B	Vasectomy	9	10
22	No. of TB beds reserved in railway institutions	0	0	Total		456	385
23	No. of Doctors			30	No. of I.U.D. insertions	84	115
A	Chief Medical Director	1	1	31	No. of conventional contraceptives distributed		
B	Addl. CMD/ T&A	1	1	A	Condom users	2040	2031
C	Dy. CMD/H&FW	1	1	B	Diaphragm	0	0
D	Chief Health Director	1	1	C	Jelly cream tubes	0	0
E	Chief Medical Superintendent	5	5	D	Foam tablets	0	0
F	Medical Superintendent/ Sr.DMOs.	188	187	32	Oral pills distributed		
G	Medical Directors	1	1	A	No. of oral pills	958	501
H	Chief Surgeon	0	0	B	No. of users of oral pills	73	39
I	Chief Staff Surgeon	0	0	33	Recanalisation facilities		
J	Chief Dy. Medical Supt.	0	0	A	No. of railway hospitals	1	1
K	Chief Paediatrician	0	0	B	No. of cases done	0	0
L	Chief Gynecologist	0	1				
Total		198	198				



1. General

During the year under review cordial and harmonious relations were maintained in this Railway.

2. Number and cost of Staff for 2013-2014 compared with 2012-2013.

Group of Staff	Number of staff					
	Open line		Construction		Total	
	2013-14	2012-13	2013-14	2012-13	2013-14	2012-13
Group 'A'	469	440	101	102	570	542
Group 'B'	489	476	87	101	576	577
Group 'C'	89,292	90,589	1,404	1,508	90,696	92,097
Group 'D'	908	583	8	6	916	589
Total	91,158	92,088	1,600	1,717	92,758	93,805

Cost of staff (Rs. in lakhs)					
		2013-2014		2012-2013	
Group 'A'	..	..	15,550.39	..	12,141.39
Group 'B'	..	..	8094.96	..	6,775.39
Group 'C'	..	..	5,95,996.79	..	5,39,398.33
Group 'D'	..	..	1769.29	..	979.26
Total	..	..	6,21,411.43	..	5,59,294.37

3. Recruitment of Scheduled Caste/Scheduled Tribe Candidates in Non-gazetted service.

(a) Recruitment of S. C. /S. T. Candidates in Group 'C' & 'D' Services :-

Group	No. to be appointed according to reservation in 2012-2013			No. actually appointed in 2013-2014		
	SC	ST	OBC	SC	ST	OBC
Group 'C'	1,703	837	3,150	1,241	473	2,308
Group 'D'	0	0	0	0	0	0

(b) Promotion of S. C. /S. T. candidates in Group 'C' & 'D' Services : 2013-2014.

(i) Selection Posts

Category	No. of vacancies reserved		No. of employees actually promoted	
	Scheduled Castes	Scheduled Tribes	Scheduled Castes	Scheduled Tribes
(ii) Within Group 'C'	3,329	1,634	3,088	969
(ii) Within Group 'D'	..	..	..	..

(ii) Non-selection Posts

Category	No. of vacancies reserved		No. of employees actually promoted	
	Scheduled Castes	Scheduled Tribes	Scheduled Castes	Scheduled Tribes
(i) Within Group 'C'	9,989	4,903	9,263	2,905
(ii) Within Group 'D'	..	..	..	..

(c) Short fall in SC/ST/OBC as on 31st March 2014.

Recruitment Categories	Scheduled Castes	Scheduled Tribes	Other Backward classes
Group 'C'	462	364	842
Group 'D'	..	..	..

(d) Short fall in SC/ST as on 31st March 2013.

Promotional Categories	Scheduled Castes	Scheduled Tribes
Group 'C'	961	2,643
Group 'D'	..	..

XII. कर्मचारी/STAFF

(e) Statement showing the Number of employees belonging to Scheduled Castes and Scheduled Tribes as on 31st March 2014 —

Group	Total No. of employees as on	Scheduled Castes	Percentage	Scheduled Tribes	Percentage
Group 'A'	513	70	13.64	32	6.25
Group 'B'	558	101	18.10	25	4.48
Group 'C'	90,312	11,731	12.98	5,001	5.53
Group 'D'	..	..	..	..	..
(excluding Safaiwala)	..	..	..	..	..
Group 'D'	2,015	482	23.92	106	5.26
Including Safaiwala)	..	..	..	..	..

4. Recruitment and Training

4.1 Recruitment :

(a) (i) Group "A" and "B" Service— Permanent appointment to Group "A" as well as appointment to Group "B" service that were made during the year 2013-2014, are as follows :-

Department	Group 'A'	Group 'B' (Promotion)
Personnel ..	..	6
General Management ..	..	3
Electrical ..	3	9
Transportation (Traffic & Comm.) ..	..	4
Engineering ..	4	..
Stores ..	7	3
S & T ..	2	1
Medical ..	..	2
Mechanical ..	..	8
School ..	..	..

(a) (ii) Number of Group 'B' Officers absorbed in Group 'A' during the year 2013-2014.

IRPS—3, IRSEE—5, IRTS—5, IRSE—7, IRSS—0, IRSSE—4, IRSME—2.

4.2 Training :

(a) (i) Group 'A' and 'B' services.

Staff strength on Southern Railway Department wise as on 31-03-2014.

Sl. No.	Department	Group 'A'	Group 'B'
1	General Management	31	57
2	Personnel	33	30
3	Accounts	..	..
4	Engineering	189	95
5	Transportation & Commercial	76	27
6	Mechanical & CMT	77	24
7	Stores & Press	40	17
8	Electrical	69	43
9	Signal & Telecommunication	77	35
10	Medical	197	16
11	Security	..	..
12	Railway School	..	..
Total		789	344

(a) (ii) The number of officers who attended the training courses during the year 2013-14 are as follows :-

Training Institutions	Mandatory Course
RSC-Vadodara	68
IRICEN-Pune	82
IRISET-Secunderabad	21
IRIMEE-Jamalpur	16
IRIEN-Nasik Road	35

4.3 Statement for the Financial year ending 31st March 2014 regarding Privilege Passes and P.T.Os issued to Railway employees:—

Class	Group	Privilege Passes			PTOs		
		No. of Rly. Employees to whom issued	No. of Sets Available	No. of persons included	No. of Rly. Employees to whom issued	No. of Sets Available	No. of persons included
I Class 'A'	Group 'A'	593	2890	14450	553	7742	5530
..	Group 'B'	539	2695	28085	533	3198	6396
I Class	Group 'C'	29282	72206	144412	18748	74912	37456
II Class	Group 'C'	46618	139854	139900	34734	69468	104202
III AC	Group 'C'	1375	4080	8160	1650	9250	18500
II Class	Group 'D'	38849	77698	116547	25548	38322	51096

4.4 (a) (i) Appointments in Group 'C' and Group 'D' categories for the year 2013-14.

	Group 'C'	No. indented	No. supplied
I. Technical :—			
Group 'D'	..	5785	4379
Group 'C'	..	1617	1134
II. Non-Technical	..	133	75
III. NTPC	..	1266	1155

4.4 (a) (ii) Recruitment of non-gazetted staff for the year 2012-13 and 2013-14 are as under :—

Year	Group 'C'	Group 'D'	Total
2012-2013	1306	5486	6792
2013-2014	1877	2411	4288

4.4 (b) (iii) Number of persons appointed against physically handicapped quota and on Compassionate grounds for the year 2013-14.

	Group 'C'	Group 'D'
a) No. of Physically Handicapped persons appointed.	1	10
b) No. of persons appointed on Compassionate grounds.	308	441

4.5. Training - Group 'C' Staff :

Sl. Nos.	Branch	Initial	Refresher	Promotional	Special	Total
1.	Mechanical	3500	1250	400	6500	11650
2.	Electrical	1431	675	680	411	3197
3.	Engineering	1500	2880	120	1823	6323
4.	S&T	477	338	180	400	1365
5.	Traffic & Comm.	1262	2259	670	2791	6982
	Total	8140	7402	2050	11925	29517

5. Relations with Labour:

Industrial relations play an important role in improving productivity. Industries pay much attention to industrial relation. There are apex level viz. AIRF & NFIR (a Constituent of AIRF) on

There are Permanent functioning at three tiers and Divisional/Extra Divisions are conducted regularly across the table after mutual consultation to the best satisfaction of the employees and the Administration. Special meetings are held to discuss issues. Apart from this, members in Central / Divisional Housing Committee, Canteen committee etc.

6. Implementation of Lab

Provisions of all Labour Acts, Hours of Work and Period of Work Act, Trade Union / Industrial Disputes Act & implemented to the satisfaction of the deficiencies pointed out by Regional Labour Commissioner and Labour concerned.

7. Labour Welfare

The Welfare Organisation headed by Senior Divisional Personnel Officer and Senior Personnel Officer employees and render assistance to their grievances.

Staff Information Centre and at Major Stations and assistance to staff on all matters. These centres have been functioning since long. Staff & Welfare Inspectors nominated exclusively to attend to the grievances of staff periodically at nominated

Pension Adalats and Mid-term Adalats are conducted every year mid December to redress the grievance. Preretirement counselling four months to guide superannuation.

"Social Security Scheme" introduced by Railways for the benefit of employees. A nominal contribution is collected from every employee, who is a member of the scheme. The amount so collected is utilized as assistance to the heirs of the employee in the event of his death. The scheme is managed by the Divisional Personnel Officers and the member of the Organized Labour at the Divisional and Headquarters level. The scheme also extends the benefits to the employees on superannuation / voluntary retirement with a 'Wrist Watch' and

role in any industry for various reasons. It is one of the major factors for maintaining cordial relations with the recognized federations at the apex level viz. AIRF & NFIR (a Constituent of AIRF) on

Permanent Machinery (PNM) meetings are held at the Divisional level. The PNM meetings are conducted regularly across the table after mutual consultation to the best satisfaction of the employees and the Administration. Special meetings are held to discuss issues. Apart from this, members in Central / Divisional Housing Committee, Canteen committee, Hospital visiting committee etc.

ws :

pertaining to Railways viz. Rules, 2005, Payment of Workmen Compensation Act, Minimum Wages Act are being duly taken into account by the various agencies like Labour Commissioner, Assistant Labour Commissioner, Assistant Labour Officer/Inspectors

Consisting of Staff & Welfare Divisional Personnel Officers, Workshop Personnel Officers maintain regular contacts with staff in redressal of

All Divisional Headquarters provide information and assistance to staff on all matters. These centres have been functioning since long. Staff & Welfare Inspectors nominated exclusively to attend to the grievances of staff periodically at nominated

Pension Adalats are conducted every year mid December to redress the grievance. Preretirement counselling four months to guide superannuation.

Welfare scheme introduced by Railways for the benefit of employees. A nominal contribution is collected from every employee, who is a member of the scheme. The amount so collected is utilized as assistance to the heirs of the employee in the event of his death. The scheme is managed by the Divisional Personnel Officers and the member of the Organized Labour at the Divisional and Headquarters level. The scheme also extends the benefits to the employees on superannuation / voluntary retirement with a 'Wrist Watch' and

There are Fifteen Rail Kalyana Mandapams existing in this Railway. A nominal and affordable rent is being charged to the serving employees to hold various functions like Marriage, Wedding Reception etc.

(ii) Railway Schools

There are Nine Railway Schools (i.e., four Higher Secondary Schools and five High Schools) in English medium situated in the Territorial jurisdiction of this Zone, spread (fully/partially) over TamilNadu and Kerala States, to extend educational facilities mainly to the wards of Railway Employees.

About 4128 children had studied in the Railway Schools during the year 2013-2014.

(iii) Staff Benefit Fund :

(a) Professional /Technical Educational Assistance :

4839 wards of Railway Employees have been granted scholarship for prosecuting Professional /Technical education and 179 wards were granted Assistance for Diploma during 2013-2014. The total expenditure incurred in respect thereof from the Central Staff Benefit Fund is as under :

DEGREE Courses : 4839 x ₹ 2400/- = ₹ 1,16,13,600/-

DIPLOMA Courses : 179 x ₹ 2000/- = ₹ 3,58,000/-

₹ 1,19,71,600/-

(Rupees One crore nineteen lakhs seventy one thousand and six hundred only)

DIPLOMA Courses : Yet to be granted

(ii) Scholarship for Higher Education of Girl/ Male Children of Group 'D' in Grade Pay ₹ 1800/- & below, ₹ 1900/- ₹ 2000/- & ₹ 2400/- on MACP :

An amount of ₹ 1200/-p.m. per girl child and ₹ 1000/-p.m. per male child of the Railway Employees in Grade Pay of ₹ 1800/- & below and (₹ 1900/- ₹ 2000/- & ₹ 2400/- on MACP) have been granted under this head. 1272 Girl children and 1075 Male children were benefited by this Scholarship as detailed under .

Girl Children : 1272 x ₹ 14400 = ₹ 1,83,16,800 /-

Male Children : 1075 x ₹ 12000 = ₹ 1,29,00,000/-

Total Expenditure ₹ 3,12,16,800/-

(iii) Cash award to Meritorious Students :

82 wards were sanctioned meritorious cash award to the tune of Rs.5,09,000/- (74 wards at school level & 8 wards at college level).

(iv) Book Bank :

Under the auspices of CSBF , the Southern Railway Book Banks have become very popular.

Altogether seven Book Banks are functioning at Hqrs, TPJ, MDU, PGT, TVC, PTJ and SA. These Book Banks cater to the needs of the wards of Railway employees pursuing Professional/Technical courses.

A sum **Rs.8,00,000/-** (Rupees Eight Lakhs only) has been sanctioned towards grant for Book Banks during the year 2013-2014

(v) (a) Schemes of Benefits to the Sick :

1) Financial Assistance towards 'Relief of Distress/ Sickness

The following assistance were made under this head :—

Honorarium to Barber @ RH / PER	- ₹ 24,000/-
Honorarium to HIV/AIDS Counsellor, Lab Technician & Speech therapist in Railway hospital/HUs.	- ₹ 9,55,517/-
Provision of Light refreshment to Blood Donors at RH/PER.	- ₹ 2,97,145/-
Funeral expenses to the families of serving employees who had expired in Railway hospitals.	- ₹ 7,80,000/-
Assistance to employee's (GP r 1,800 & below).	- ₹ 5,90,000/-
Assistance to employee's (GP r 1,900 & below).	- ₹ 13,20,000/-

2 Indigenous system of medicine:

In order to provide medical assistance to such of those employees and their family members who are desirous of having treatments under indigenous system of medicines like Homoeopathy/Ayurvedhic, the following Homoeopathy / Ayurvedhic dispensaries are functioning in this Railway on part time basis :—

In order to provide medical assistance to such of those employees and their family members who are desirous of having treatment under indigenous system of medicines like Homoeopathy/ Ayurvedham, the following homoeopathy/ Ayurvedhic dispensaries are functioning in this Railway on part time basis :—

Headquarters Office/NGO/MAS	- Homoeopathic Dispensary
Ayanavaram/MAS	- Homoeopathic Dispensary
Madurai Dn.	- Homoeopathic Dispensary
Palakkad Dn. (PGT)	- Homoeopathic Dispensary
Tiruchchirapalli Dn. (TPJ)	- Homoeopathic Dispensary
Golden Rock Workshop (GOC)	- Homoeopathic Dispensary
Podanur Workshop (PTJ)	- Homoeopathic Dispensary
Shoranur (Palakkad Dn.) (SRR)	- Ayurvedhic Dispensary
Cannanore (Palakkad Dn.) (CAN)	- Ayurvedhic Dispensary

An amount of **Rs.10,14,913/-** has been utilized in all the Homoeopathic / Ayurvedhic Dispensaries during 2013 – 14.

b) Place at which the dispensaries were opened during the year with date(s) of opening indicating the system i.e. whether Homoeopathic or Ayurvedic – Nil.

c) Particulars of buildings in which Homoeopathic dispensaries other Non-allopathic dispensaries are functioning.

(i) Railway Hospital Buildings	- 7
(ii) Railway Health Unit Buildings	- 2.
(iii) In other Railway Buildings	- Nil.

(vi) Recreation and Amusement :**(1) Holiday Camps :**

Holiday camps for Men / Women employees as well as Children of the employees of Railway under the auspices of Central Staff Benefit Fund Sub-Committees.

ng conducted regularly in this

Details of Camps conducted in the year 2013-14 is given below :—

Division	Holiday Camp conducted during 2013-201	No. of Participants	Amount spent ₹	
PGT	Male	109	3,21,379	Goa
	Family	81		Mangal
GOC	Male	57	3,03,074	Goa
TPJ	Children's	65	1,50,893	Ernak
MAS	Men	52	2,76,069	Jodhpur, Delhi.
	Women	52	3,25,648	Jodhpur, Jaisalmer & Delhi
	Children's	37	2,54,567	Ooty
SA	Family	72	1,91,000	Mysore
TVC	Male	49	6,81,500	Goa
	Female	50 women + 11 children		Ooty
	Family Camp	50 couples + 47 Children		Alleppey
CW/PER	Women's	69	1,43,104	Ooty
S&T/PTJ	Family Camp	217	57,107	Kovvur

Places visited

ladikeri Kushal Nagar)

pur, Jodhpur, Jaisalmer &

pur, Jodhpur Jaisalmer & Delhi

angalore,

uzha

lattam

2. Promotion of Cultural activity

- (a) Expenditure towards Inter Railway Culture Competition. ₹ 73,715
- (b) Expenditure for Cultural Activities at Rly. Schools is ₹ 4,00,000

3. Women empowerment activities including Higher education for girls.

- a) Furniture for Women Rest Room at Erode ₹ 40,000/-
- b) Women's Day Celebration at HQRS ₹ 64,192/-
- c) Women's Day Celebration at CAO/CN ₹ 20,000/-

7. (IV) (D) Miscellaneous :

An amount of ₹ 3,72,871/- has been spent towards miscellaneous activities at HQRS.

Salient features of Southern Railway Women's Welfare Organisation (SRWWO).**1. Ashraya:**

A School for mentally challenged wards of Railway men and outsiders is being run by the Southern Railway Women's Welfare Organization (Headquarters) Chennai. There are 35 Children on roll with varying degrees of IQ who are trained in academics and vocation.

Computer education is also imparted to the students. The students are provided with all necessary physiotherapy equipment's. "Early Intervention" for the age group from 3 years onwards has been started to impart basic skills to them. Apart from the Headquarters organization, such schools for differently-abled children are run by Southern Railway Women's Organization/Tiruchchirappalli (Udaya) and Southern Railway Women's Organization/Madurai (Akshaya).

2. Welfare:

A Creche named Perambur for the

3. Shop:

A retail shop, Railway Hospital inpatients/and the

4. Other Activities

Tiruchchirappalli to 10th Standard Trivandrum are

Handicraft Centre men are of Tiruchchirappalli

7 (V) Sports and

Achievement the All India R

Athletics	in	-	I
Basketball	Women	-	I
Volleyball	men	-	I
Athletics	omen	-	II
Bodybuilding	ing	-	II
Cycling		-	II
Volleyball	Women	-	II
Ballinton	inton	-	III
Swimming	I	-	III

ssoms" with strength of 26 is run at it of working parents.

ame "Swabhimani" was opened at rambur to cater to the needs of mily members.

d Chennai Division have schools up l primary classes at Palakkad and r this organization.

for the wives and wards of Railway ning at Chennai, Palakkad, l Madurai Divisions.

s :

thern Railway Sports Association in Championships:-

Achievements of Southern Railway Sports Persons In the National / International Meets

Athletics :- P.T.Usha and Tintu Luka were selected to represent the country at IAAF Diamond League Champ at Shanghai, China in May, 2013.

Ranjith M., Nikhil Chittarasu, Balamurugan and C.T.Durai (Coach) represented at Asian Grand Prix at Colombo and Thailand in May, 2013.

At the Asian Track and Field Championships at Pune in July, Titu Luka won a Gold in the 4 x 400 m Relay and Bronze in 800m and M.Ranjith won the Silver in Triple Jump.

Chess :- Ratnakaran represented Indian Railways at the National Challengers' Chess Championships at Jalgaon in December, 2013.

Volleyball :- Marshad Suhail as Player and T.C.Jotish as Coach have represented India at the International Volleyball Championships at Kelibia and at the World Junior Volleyball Championships at Turkey in August, 2013.

Volleyball Women :- Minamol Abraham, V.Soumya and Meena Mahalingam (Coach) participated at the Asian Senior Volleyball Championships at Thailand in September and Asian Zonal Women's Qualifying Tournament for World Cup held at China in September, 2013.

Weightlifting :- Satish Kumar represented the Country at the Sr.Asian Weightlifting Championships at Aspana, Kazakhstan and at the Commonwealth Championships in Malaysia in November, 2013, he won the GOLD Medal in 77Kg category.

JOINT COUNCILS:

In compliance with the Board's directives, Joint councils consisting of representatives of the Administration and (Group 'C' and Group 'D') staff were set up in various Work Shops on this Railways. These councils have been constituted to discuss the matter regarding.

1. Ways and means of enhancing productivity.
2. Procurement of essential additional machinery and plant.
3. Optimum utilization of existing staff and machinery.
4. Advance procurement of Stores.
5. Maintenance of Machinery and Plant.
6. Preventive maintenance and its importance.
7. Follow-up action taken for all these subjects.

Active interest has been shown by the representatives in the functioning of these councils and this has helped in efficient working and finding solutions to day to day problems.

8. Provision of Staff Quarters :

Provision of Staff Quarters		Programmed Quarters		Quarters involved in schemes, new lines, doubling etc. No. of quarters completed								
Sl.Nos.	Type of Qtrs.	No. of units	2012-2013 Approximate cost (₹ in lakhs)	No. of units	2013-2014 Approximate cost (₹ in lakhs)	No. of quarters under various stages of construction as on 31st March-2014	2012-2013 No. of units	2012-2013 Approximate cost (₹ in lakhs)	2013-2014 No. of units	2013-2014 Approximate cost (₹ in lakhs)	No. of quarters under various stages of construction as on 31st March 2014	Total No. of quarters provided upto 31st March, 2014, including quarters involved in schemes, new lines-doubling, etc;
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Type I	40	0	99	495.60	0	0	0	0	0	0	0
2.	Type II	77	797.42	74	706.56	232	0	0	16	153	0	0
3.	Type III	19	184.00	4	42.40	123	0	0	2	20	5	0
4.	Type IV	4	48.77	4	132.44	15	0	0	2	20	0	0
5.	Type IV (Special)	0	0.00	0	0.00	0	0	0	0	0.00	0	0
6.	Type V	0	0.00	4	140.58	0	0	0	0	0.00	0	0
7.	Barracks	0	0.00	1	75.00	0	0	0	0	0.00	0	0

II. Improvements to old type quarters have been carried out during the year 2013-2014 at an estimated cost 1,528.30 Lakhs.

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(ii) The position regarding quarters for Class III and Class IV as indicated below.—

Sl. No.	Category	No. of staff Qrs. as on 31st March 2014		No. of staff Qrs. as on 31st March 2012
		Essential	Non-Essential	
1.	Class III	37835	21856	Type I
2.	Class IV	25826	2799	Type II Type III Type IV & V
Total		63,661	24,655	

quarters
as on
2012

3,958
1,243
1,176
215

1,592

9. Additional information of staff strength required to be incorporated dated 5th June 1986 is given as under :

Group 'C'		Group 'D'	
1. Signal & Telecommunication Department		(c) Construction	
(i) Signal	183	NA	(i) Railway Elec
(ii) Tele-communication	135	NA	(ii) Organization
(iii) Microwave	127	2	
2. Civil Engineering Department		4. Commercial	
(i) Civil Engineering Permanent Way	354	..	(i) Commercial Cle
(ii) Civil Engineering Works	375	..	(ii) Ticket Checking
(iii) Civil Engineering Bridges	37	..	(iii) Catering Staff
(iv) Civil Engineering Workshop	..	..	
3. Electrical Department		5. Operating	
(a) Workshop & production Units		(i) Train Clerks	354
(i) EMUs	1,549	(ii) Guards	1,476
(ii) Others	1,515	(iii) Traffic Signalle	..
(iii) Electric Loco	..	(iv) Shunting Staff	..
(b) Open Line		(v) Yard Staff	5,812
(i) Electrical Loco Shed (AJJ, ED & RPM).	1,395	(vi) Others	..
(ii) EMU Shed (PGT & QLN)	20		
(iii) Rolling Stock Operation	2,759	6. Mechanical	
(iv) Traction Distribution	1,174	Workshops & Prodi	
(v) General Services	2,835	(i) Steam Locos	13
		(ii) Diesel Locos	..
		(iii) Carriage & Wac	163
		(iv) AC Loco	18
		(v) Other activities	..
			147
			31

Board's letter No. 86/Stat./1/5

	Group 'C'	Group 'D'
on	232	42
	78	19
	2,602	..
	2,903	..
ow lascar)	09	..
	354	..
	1,476	..
	..	..
..	5,812	..
	..	..
hops	13	..
	..	..
	163	..
	18	..
	..	..
	147	31



XIII. यात्रियों को सुख-सुविधाएं/AMENITIES FOR PASSENGERS

1. Permanent Augmentation during the Financial year 2013-14.

Month	Train No. & Description	Notifi- cation dated	With effect from	ACCW	ACCN	GSCN	GS	GSCZ	TOTAL	No. of Rakes	Net coaches
April	Nil										
May	Nil										
June	Nil										
July	16349/16350 TVC-Nil-TVC.. ..	11- 7-13	9-11-13	..	..	1	..	..	1	2	2
Aug.	Nil										
Sep.	56318, 56317, 56316, 56311, 56304, 56305	30- 9-13	30- 9-13	..	..	..	2	..	2	4	8
	56334, 56333, 56309, 56313, 56325, 56321 &										
	56312.										
Oct.	Nil										
Nov.	56318, 56317, 56316, 56311, 56304, 56305,	6-11-13	7-11-13	..	..	..	1	..	1	4	4
	56334, 56333, 56309, 56313, 56325, 56321 &										
	56312.										
	12639/12694 MS-TN-MS	8-11-13	1- 1-14	1	..	1	..	..	2	2	4
	16341/16342 TVC-GUV-TVC	18-11-13	18-11-14	..	..	..	2	..	..	1	2
Dec.	Nil										
Jan.	Nil										
Feb.	56365/56366 GUV-PUU-TVC	27- 1-14	1- 2-14	..	..	..	..	2	2	4	8
	12631/12632 MS-TEN-MS	16-12-13	15- 2-14	..	1	..	..	..	1	2	2
	12661/12662 MS-SCT-MS	16-12-13	15- 2-14	..	1	..	..	..	1	2	2
Mar.	16177/16178 MS-TPJ-MS	10- 3-14	10- 5-14	..	1	..	..	..	1	2	2
	12637/12638 MS-MDU-MS	10- 3-14	10- 5-14	..	1	..	..	..	1	2	2
	16041/16042 MAS-ALLP-MAS	10- 3-14	10- 5-14	..	1	..	..	..	1	2	2
	12695/12696 MAS-TVC-MAS	10- 3-14	10- 5-14	..	1	..	..	..	1	2	2
	Total			2	12	4	14	8	16	29	40

2. Drinking Water Arrangements

Sl. No.	Divisions	Name of work	Estimate cost (₹ in lakhs)
---------	-----------	--------------	-------------------------------

(I) Works Completed**(i) Works costing more than ₹ 5 lakhs each :-**

1. MAS	.. Nil.		
2. SA	.. (1) PTJ-Constructors of OHT 90000 lits. capacity and replacement of pipeline grid at 20 block area.	49.50	
	(2) TUP-Tiruppur Constructors of OHT 45000 lits. capacity including pipeline arrangements from well to good shed area (id. 1849/08-09/CE/OL).	45.00	
	(3) CBE-Coimbatore Jn.-Provision of Reverse Osmosis plant for providing drinking water to passengers.	29.00	
	(4) PTJ-S&T Workshop-Installation of Reverse Osmosis Plant.	8.00	
3. PGT	.. Nil.		
4. TVC	.. Nil.		
5. TPJ	.. Nil		
6. MDU	.. SNKL Station-Replacement of existing steel tank with RCC OHT 45,000 litres capacity & replacement of existing corroded pipelines for station.	14.40	
7. CE/CN/ERS	.. Nil		
8. CE/CN/MS	.. CGL-VM doubling works	400.00	
9. MTP	.. Nil		

(ii) Works costing less than ₹ 5 lakhs each :-

1. MAS	.. Nil
2. SA	.. Nil
3. PGT	.. Nil
4. TVC	.. Nil
5. TPJ	.. Nil
6. MDU	.. Nil
7. CE/CN/ERS	.. Nil
8. CE/CN/MS	.. Nil
9. MTP	.. Nil

(II) Works in Progress**(i) Works costing more than ₹ 5 lakhs each :-**

1. MAS	.. Nil	
2. SA	.. Provision of drinking water facilities at good sheds at SA, SAMT, ED, IGU, PLMD & CBF.	50.00
	Podanur-Provision of individual storage water tank at Staff Quarters (400 Nos.) and augmentation of water supply by drilling three more borewells and pipe line arrangements (id.1359/08-09).	49.00
	PTJ-Salem Division Provision of purified drinking water to stations through water treatment systems @ CBE (id. : 1506/09-10 CE/OL).	20.00

3. PGT	.. Nil
4. TVC	.. Nil
5. TPJ	.. VM-TP mm die VM-Pr subme provis betwe 128, 157, 1 Sec.
6. MDU	.. Nil
7. CE/CN/ERS	.. Nil
8. CE/CN/MS	.. Nil
9. MTP	.. Nil

(ii) Works costing less than ₹ 5 lakhs each :-

1. MAS	.. Nil
2. SA	.. Nil
3. PGT	.. Nil
4. TVC	.. Nil
5. TPJ	.. Nil
6. MDU	.. Nil
7. CE/CN/ERS	.. Nil
8. CE/CN/MS	.. Nil
9. MTP	.. Nil

line provision of 200 well at 17 Nos. in LCs.
of borewell with 10.00
imps and sintex tank
all manned LCs in
TLNR (LC No. 127,
, 144, 152, 152A, 153,
& 170 in SE/P/AVRI

Drinking Water Arrangements Provided

Division	Taps available during 2013-14
MAS	2
TPJ	1
MDU	1
SA	
PGT	
TVC	
Total	

Taps/Hand Pumps/Water

Taps available during 2013-14	Taps provided during 2013-14
2,092	0
1,787	364
1,881	0
842	144
1,007	20
1,456	72
9,065	600

Water Coolers Provided

Division	Taps available during 2013-14
MAS	2
TPJ	
MDU	
SA	
PGT	
TVC	
Total	

Taps available during 2013-14	Taps provided during 2013-14
110	0
37	0
53	0
21	0
46	0
49	0
316	0

3. Passenger Amenity Works over Southern Railway during 2013-14.

1. During the year 2013-14, four (4) passenger amenity works costing ₹ 7.98 crores were completed.

For the year 2013-14 totally 108 passenger amenity works costing ₹ 352.45 crores is in various stages of progress. For the year 2014-15, process for inclusion of new works under Pink Book/LAWs in progress.

During 2013-14, the Budget grant was ₹ 84.93 crores and Revised Grant sanctioned is ₹ 67.19 whereas actually spent amount was ₹ 67.55 crores which is 101% of RG.

In the current year 2014-15, the interim Budget allotted for PA work is ₹ 62.29 Crores.

4. Catering :

The Catering Policy 2010, was circulated vide Commercial Circular No. : 35 dated 21-07-2010. All Catering units, both Mobile and Static except Food Plazas, Food Courts & Fast Food Units were taken over from IRCTC for management by Railways. As per Railway Board Letter No. : 2010/TG-III/464/1/NBSP-III dated 28-03-12, Book stalls at A, B, C category stations have also been taken over from IRCTC.

Departmental Catering at Stations

1. Jan Ahar/MAS
2. Jan Ahar/CAPE
3. Jan Ahar Stall/ED

5. Departmental Catering on Trains :

(a) under Managemet of Railways :—

1. 12081/12082 TVC-CLT-CL Jan Shatabdi Exp.

(b) under Managemet of IRCTC :—

1. 12641/12642 Thirukural Exp.
2. 12269/12270 Duronto Exp.
3. 12625/12626 Kerala Exp.
4. 12243/12244 Shatabdi Exp.
5. 22207/22208 AC Superb Exp.

6. Contract Catering :

Contract operated catering units under the management of Railways.

Division-wise catering units run by contractors are given below :—

Sl. No.		MAS	TPJ	MDU	PGT	TVC	SA	Total
1	Cell kitchens	3	1	1	..	1	1	7
2	Refreshment Rooms at A1, & A Category stations.	3	4	3	7	7	5	29
3	Refreshment Rooms at B & C Category stations.	..	2	5	..	..	..	7
4	Refreshment Rooms at D, E, F Category stations.	..	1	7	..	..	1	9
5	Small Catering Units at A1, B, C Category stations.	..	..	..	..	..	..	..
6	Small Catering Units at D, E, F Category stations.	..	..	..	..	..	..	..
7	Other Small Catering Units at A1, A, B, C Category stations	75	54	39	85	68	36	357
8	Other Small Catering Units at D, E, F Category stations.	2	25	24	18	18	6	93
9	Milk Stalls/Parlours at A1, B, C, Category stations.	19	7	8	21	19	7	81
10	Milk Stalls/Parlours at D, E, F, Category stations.	..	..	5	9	5	..	19
11	AVMs	39	2	..	13	7	30	91
12	Exclusive Chemist Stalls Misc./Curio/Handloom Stalls.	..	11	13	22	9	4	59
13	Book Stalls	27	8	6	16	16	4	77
14	HPMC	11	..	1	3	19	..	34
15	Any other at A1, B, C, Stations.	8	..	2	..	..	..	10
16	Any other at D, E, F, Stations.	..	..	1	..	..	..	1
	Total	187	115	115	194	169	94	874

7. Food Plazas : Food Plazas are functioning at the following stations in Southern Railway are as indicated below under the control of IRCTC :—

- | | |
|--------------------------|-------------------------|
| 1. Chennai Central | 10. Chennai Park |
| 2. Chennai Egmore | 11. Trivandrum (Closed) |
| 3. Madurai | 12. Coimbatore |
| 4. Ernakulam North | 13. Katpadi |
| 5. Ernakulam Jn. | 14. Palakkad |
| 6. Tiruchchirappalli Jn. | 15. Calicut |
| 7. Shoranur | 16. Mangalore |
| 8. Chennai Beach | 17. Kannur |
| 9. Trichur | 18. Erode |

Fast Food Units : Fast Food Units are functioning at the following stations in Southern Railway are as indicated below under the control of IRCTC :—

- | | |
|--------------------|----------------|
| 1. Chennai Central | 4. Jolarpettai |
| 2. Ambur | 5. Tirur |
| 3. Arakkonam | 6. Calicut |

7. Mobile Catering Units :

Contractor operated Mobile-catering units under control of Railways.

1. 12007/12008 MAS-MYS-MAS Shatabdi Exp.	6 days in a week
2. 12076/12075 TVC-CLT-TVC Jan Shatabdi Exp.	Daily
3. 12077/12078 MAS-BZA-MAS Jan Shatabdi Exp.	Except Tuesday
4. 12083/12084 CBE-MV-CBE Jan Shatabdi	Except Tuesday
5. 12605/12606 TPJ-MAS-TPJ Pallavan Exp.	Daily
6. 12615/12616 MAS-NDLS Grand Trunk Express.	Daily
7. 12617/12618 ERS-NZM Mangala Exp.	Daily
8. 12621/12622 MAS-NDLS Tamilnad Exp.	Daily
9. 12635/12636 MS-MDU Vaigai Exp.	Daily
10. 12639-12640 MAS-SBC Brindavan Exp.	Daily
11. 12643/12644 TVC-NZM-TVC	Weekly
12. 12651/12652 MDU-NZM Sambark Kranti Exp.	Bi-weekly
13. 12655/12656 MAS-ADI Navajeevan Exp.	Daily
14. 12663/12664 TPJ-HWH-TPJ	Bi-weekly
15. 12665/12666 CAPE-HWH-CAPE	Weekly
16. 12669-12670 MAS-CPR. Ganga Kaveri Exp.	Weekly

8. Cheap Food Packets

Exclusive Jan Ahars are functioning at MAS & CAPE, which are managed by Railways. Jan Ahar stall is functioning at and Erode.

10. Details of Amenities provided during the Year 2013-14

Sl. No.	Description of Amenity	Unit	Amenities MAS Divn.		Amenities SA Divn.		Amenities PGT Divn.		Amenities TVC Divn.		Amenities TPJ Divn.		Total Expenditure (in thousands of ₹)
			Provided during the year 2012-13	Expenditure in thousands of ₹	Provided during the year 2012-13	Expenditure in thousands of ₹	Provided during the year 2012-13	Expenditure in thousands of ₹	Provided during the year 2012-13	Expenditure in thousands of ₹	Provided during the year 2012-13	Expenditure in thousands of ₹	
1	Waiting hall	Sq. m.	0	0	225	4050	0	0	188	6949	0	0	
2	Seating arrangements	Nos.	0	0	1256	18840	0	0	104	1067	0	0	
3	Covering platforms	Sq. m.	0	0	9901	725000	515530	11418	0	0	0	0	
4	Drinking water arrangements												
1.	Hand pumps	Nos.	0	0	0	0	0	0	0	0	0	0	
2.	Taps	Nos.	0	0	41	10.25	0	0	0	0	180	0	
5	Foot over bridge	No.	0	0	2	542	0	0	0	0	0	0	
6	Waiting rooms	Sq. m.	0	0	0	0	0	0	753	15284	0	0	
7	Suitable platform including raising	Sq. m.	0	0	1587.6	434470	907.20	6940	4436	11400	1960	0	
8	Booking windows-cum-reservation counter.	Nos.	0	0	1	3,200	0	0	0	0	0	0	
9	Sanitised latrines	Nos.	0	0	12	1500.00	0	0	0	0	0	0	
10	Waiting-cum-booking office	Nos.	0	0	0	0	0	0	0	0	0	0	
11	Retiring rooms	Sq. m.	0	0	0	0	0	0	0	0	0	0	
12	Enquiry counters	Nos.	0	0	0	0	0	0	0	0	0	0	
	Total		0	0	13025.6	187612.25	6062.50	18358.00	5486	33700	2140	0	

9. Catering S

Catering Mo and Divisions. CORPORATION 18 food plazas. Mobile unitsover

Salient Features:

Food Plaza stations. Propo stations is in p Chinese cuis confectionaries provided to cust

Catering Monit

To ensure deficiencies and Headquarters Control function strengthened.

As advised Pt(i) dt. 10-12 SAG, JAG, Sr. Supervisors ha Offices. On re they are perso penalties such the erred licen

On going Proje

Tenders phases. Out 22 trains. Fre commenced. units out of 24 been commen

Minor Units :

Tenders h and finalizatio

isory Committee

Cell is functioning at Headquarters RAILWAY CATERING & TOURISM C). At present, IRCTC is managing Food units at various stations and 5 ern Railway.

ovements

od plazas have been provided at 18 extend these facilities to 32 other Different types of food items like French and other European Sweets and Savouries are being through these food plazas.

Cell (CMC) :

pt and immediate rectification of laints, a CMC is functioning at Zonal VC Division and the Commercial MAS, MDU, TPJ, PGT & SA has been

ard vide letter No. 2009/TG-III/631/2/ a schedule of inspection at level of Asst. Scale and Catering Inspectors/ n drawn and sent to all Commercial of report from the Officers/Inspectors scrutinized by CCM/Catg. & PS and arnings, fines etc are levied against

been floated for 39 trains in 4 h fresh license has been awarded for ntracts for 12 train have already been rs have been finalized for 2 major static r static units. 12 units have already

een for 43 GMUs at Chennai Division derway.

Sl. No.	Description of Amenity	Unit	Amenities U Divn.		Amenities CE/CN/ERS		Amenities CE/CN/MS		Total Expenditure (in thousands of ₹)
			Provided during the year 2012-13	Expenditure in thousands of ₹	Provided during the year 2012-13	Expenditure in thousands of ₹	Provided during the year 2012-13	Expenditure in thousands of ₹	
			0	0	0	0	245	2082	13739.00
			25	200	0	0	245	300	22087.00
			15.1	2700	0	0	1264	2246	757949.40
			3	200	0	0	2	50	255.00
			0	0	0	0	7	100	2138.25
			0	0	20	6700	6	45000	52,270.00
			0	0	0	0	0	0	16,042.00
			1190	10000	0	0	2500	2742	488332.80
			0	0	0	0	0	0	32,01.00
			10	1400	0	0	0	0	2922.00
			0	0	0	0	0	0	0
			1	300	0	0	0	0	301
			0	0	0	0	0	0	..
			194.1	14800	20	6700	5269	52520	1359187.45

Passenger Amenities -Works Completed & In progress During 2013-14

Sl. No	Name of Work	Cost in Lakhs of rupees
PASSENGER AMENITY WORKS COMPLETED DURING 2013-14		
CHENNAI DIVISION		
1	PATTARAVAKKAM - Widening of platform on Dn slow line.	79.42
2	Nungambakkam - Widening of existing stairway and strengthening of gangway of FOB.	34.00
3	Provision of modern seating arrangements in the waiting halls at AJJ, KPD, JTJ, AB, VN, WJR & TRT.	26.40
4	Provision of modern seating arrangements in waiting halls at TBM, MLMR, CGL, TMV, SPE, NYP & GPD.	25.20
5	GUMMIDIPUNDI - GUDUR Section - Provn. of FOB@Akkampet halt stn.	50.00
6	CHENNAI BEACH - Improvements to circulating area and concourse.	32.18
7	Provision of Train arrival/departure LED Display board at Chennai Central	75.96
8	Provision of Coach Indication board at KPD	41.45
9	Provision of additional Coach Indication board at CGL (Chengalpattu) Platform No. 1, 2, 3 & 4	95.65
10	Provision of special information board at MAS & MS	80.00
11	MAS-AJJ Section Puliymangalam, Pattabiram Military Siding and E-Depot - Paving of platform surface.	25.00
12	CHENNAI BEACH - Improvements to platform surface at PF no. 5&6 with vacuum dewatered concrete.	45.01
13	NEMILICHERY - New train halt - Proposed construction of high level PF to cater 12 car units including station building.	43.16
14	GUMMIDIPUNDI - Extension of FOB	43.27
15	Tambaram - Provision of new su-urban platform for double discharge	28.00
16	Chennai Egmore - Provision of additional stairway to the FOB at Chennai Beach end.	34.00
17	MSB-FOB Nos. 1A&1B-Renewal of corroded members, ACC sheets with galvalium sheets, protective screens, repl the gangway slabs, painting.	29.90
18	MSB - VM and MAS - GDR section - Provision of Protective screen near the OHE lines on the FOBs at various stations.	10.00
19	Tambaram - Improvements to the retiring room, waiting hall, dormitory rooms and other passenger amenity works.	29.00
20	Chennai Central - Extension of water hydrants for 24 coaches for PF Nos. 10 & 11.	22.00
21	Perambur - Extension of platform no.3 for a length of 85 m towards MAS end to accommodate 24 coaches including imp to the existing booking office.	26.99
22	MSB-VM section - Strengthening and improvements to FOB at Chennai Egmore (23C) at MSB end.	48.80
23	Tambaram - Provision of rail level goods platform	96.85
24	CHENNAI CENTRAL - Modernisation of 'JAN AHAR'	13.53
25	Chennai Beach - Paving of track sides for facilitating GDR inspection	39.78
26	Chennai Park Town - Improvements to platform flooring at platform nos. 1 & 2	25.00
27	Chennai division - Improvements to security arrangements by providing Retractable Gates and compound wall at Chennai Central and MMC.	29.00
28	Chennai Central - Improvements to Upper class waiting hall and retiring rooms including replacement of furniture.	64.62
29	ADEN/KPD subdivision - Improvements to water supply arrangements at Latteri, Mukundarayapuram, Anvadhikanpettai and Chitteri.	16.00
30	Katpadi - Improvements to water supply arrangements	29.00

Sl. No	Name of Work
31	Chennai Fort – Improvements to platform flooring at platform nos. 3 & 4
32	Chennai Central - Improvements to Parcel Office, loading and unloading area and approach.
33	Minjur - Improvements to sewage arrangements at station
34	Chennai division – Improvements to security arrangements by providing security by Central and MMC.
35	KATPADI - Platform Shelter at island platform 2 & 3 at JTJ end and paving of platform dewatering.
36	Tambaram - Construction of new building for Goods shed office and other improvements.
37	Chennai Central - Imp to roofing in the Portico Shelter by replacing with Non-Asbestos sheets & poly carbonates sheets for lighting.
38	MAS-AJJ section - Provision of deep bore well and new pipelines at KOTR, PVM, T and PTLR
39	Tiruvallur - Renewal of corroded water pipelines
40	MAS-GDRsec- Raising of PF No. 2 & 3 at KAVM, Prov granite benches, painting of Prov trolley mark at stations KOK, TNP, VOC, TVT, WCN & KAVM.
41	Sullurpetta - Model Station - Provision of FOB covering and replacement of shelter
42	Anvardhikanpettai - Reconstruction of station building
43	Replacement of auto announcement system at KPD-JTJ section
44	Provision of wireless coach indication board in CGL
45	Chengalpet – Provision of IRS type shelters 64m long at PF no. 7 & 8 with seating arrangements.
46	Ekambarakuppam - Construction of RCC retaining wall for a length of 250 metres between up and down lines.
47	CHENNAI CENTRAL - Laying of CC apron on PF no.1, 2A,3, 4 & 5.
48	Tiruvallur - Improvements to platform surface at PF No.1
49	Chennai Central – Extension of platform no. 4 & 5 for a length of 64 metres to hold 2 coaches.
SALEM DIVISION	
1	Coimbatore Jn - Improvements to roof of Parcel Office building
2	Coimbatore Jn - Provision of roofing to FOB with galvanium sheets and improvements in area around the FOB landing.
3	Coimbatore Jn - Provision of seating arrangements with granite benches
4	Coimbatore Jn. - Widening of existing stairway of subway at PF Nos. 5 & 6.
5	ED & TUP Provision of facilities for physically challenged persons
6	ED - Provision of concrete apron for left over portion of PF 3
7	Provision of PF surface at NEY, VRPD,DC,MVPM stations
8	PTJ - Provision of granite benches
9	PTJ- Proposed front entrance arch pillars and walk way at circulating area.
10	PTJ-Proposed improvements to parking area drain.
11	PTJ-Raising of PF 3 & 4 @ PTJ (phase-II)
12	Renovation of Retiring Room at CBE
13	SA - Renovation of Retiring Room at SA
14	SALEM Jn. - Provision of CC apron on line of platform No.2 for a length of 540 m.
15	CBF- Paving of platform surface and provision of chequered tiles and vacuum dewatering flooring.
16	UTTUKULI - HL PF for Dn line side 250m and an FOB with electrical and communication
17	CBE - Improvements to PF surface with dadoing at PF No.1 & 2 and 3 & 4 (left out portion)

	Cost in Lakhs of rupees
	25.00
office	20.00
	5.00
Chennai	29.00
vacuum	35.14
works.	70.00
covered	10.00
EU, SVR	29.90
	5.00
name &	39.50
	26.00
	15.00
	15.00
	28.00
ments.	25.00
up and	29.95
	51.20
	30.00
es.	20.00
TOTAL	1747.86
	29.00
ulating	29.50
	28.50
	29.00
	29.00
	29.00
	30.00
	28.50
	28.00
	29.00
	29.50
	16.86
	16.86
	60.00
ete	28.00
lations.	28.50
	29.00

Sl. No	Name of Work	Cost in Lakhs of rupees
18	CBE – Improvements to platform surface at PF.No. 1&2- by providing Kota slabs at CBF end.	21.10
19	CBE-Provision of G.L.R and pipe line arrangements for new RCC OHT.	29.19
20	CBF- Proposed roofing with Galvalume sheets for platform shelters 7 bays length in PF.No.1 in front of station building.	29.00
21	CBF- Providing Kota stone flooring for PF No. 1 & 2.	23.00
22	CBF- Provision of addl.PF shelters for 2 bays length at PF No.1 in front of station building.	22.00
23	CBF- Provision of galvalium sheets for PF shelters for 20 bays on PF.No. 1 & 2.	12.62
24	CBF- Provision of PF shelters for 2 bays length at PF No.1 at CBE end.	30.00
25	CBF- Provision of PF shelters for 2 bays length at PF No.2 at ED end.	29.78
26	CBF- Raising of medium level PF No.1 to high level	28.00
27	CBF- Raising of medium level PF No.2 to high level	28.00
28	CBF-Provision of PF shelters for 2 bays length at PF No.2 in front of station building.	29.80
29	ED - PF shelter for the full coverage on both the ends of PFNo.3&4 at ED Jn. (2bay length).	25.00
30	Extension of PF.No.1 to hold 24 boggies at BDY	30.00
31	Provision of PF shelter for 1 bay length on each of the PFNo. 1&2 at CBF	22.18
32	Provision of Tertiary name boards at various sttions in SA-ATU-VRI,MGSJ-MTDM sections.	24.00
33	PTJ- Proposed improvements to station building and circulating area in front of Booking office.	30.00
34	Renovation of Retiring Room at ONR	16.86
35	SA - Improvements to approach road to Goodshed	29.80
36	SA - Improvements to Circulating Area	30.00
37	SA - Improvements to front elevation of station Buildings.	30.00
38	SA- façade improvements to Salem Jn.	25.40
39	SA- Renewal of old AC sheet roofing with galvalume roofing sheets in PF 1 & 2	26.00
40	TUP - Improvements to front elevation of station Buildings	29.00
41	TUP- Provision of PRS centre at Tiruppur station	25.10
42	CBE Jn- Provision of RCC OHT for 2.25 lakhs litres capacity with 20m staging.	29.77
43	PTJ- Proposed circulating area and Improvements to Parking area	29.87
	TOTAL	1183.69
PALGHAT DIVISION		
1	Kannur - Replacement of corroded pipelines and valves in coach watering arrangements.	7.61
2	Provision of hot cases in pantry cars - 6349/6350 and 6687/6688 express trains.	4.75
3	INGUR, KANJKODE ,LAKKITI, PARLI, MANKARA and IRUGUR : Extension of PF No.1 from 8 to 12 coaches with electrical and communication instalations.	26.22
4	INGUR & KANJKODE : Raising of RL PF No.2 to HL to hold 12 coaches with shelter for 1 bay length.	35.30
5	FEROOK, BADAGARA. MAHE, NILESHWAR & PAYANGADI: Extension of PF No.1 from 22 to 24 coaches on both side.	29.92
6	PALGHAT DIVISION -Upgradation of passenger amenities at Kannur station.	99.00
7	CALICUT - Over head tank 90000 litres capacity and provision of one open well 6.1 m dia 9.00 m deep.	34.21
8	MANGALORE and KANKANADI - Augmentation of water supply in carriage watering area .	81.29
9	MANGLORE Jn. - Provision of PF shelter 4 bays 7.14 m. wide on PF No.1 (IRS type) & improvements to PF surface.	110.50
10	Kozhikkode- Replacement of corroded pipelines and valves in coach watering arrangements	2.94
11	Mangalore Central & Mangalore Jn- Replacement of corroded pipelines and valves in coach watering arrangements	16.43

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Sl. No	Name of Work
12	Palakkad Jn- Replacement of corroded pipelines and valves in coach watering arrangements.
13	Shoranur Jn- Replacement of corroded pipelines and valves in coach watering arrangements.
14	Calicut - Over head tank 90000 litres capacity and provision of one open well 6.1 m deep.
15	Shoranur and Tellicherry - Provision of coach guidance system on platform.
16	Shifting of PRS/UTS circuits and provision of communication arrangements to the platform at Palghat Junction.
17	PGT Jn. - Replacement of old AC units in PRS, Retiring rooms at various locations.
18	Provision of lighting in the extended platform at KJKD, LDY, PLL, MNY, WRA, MNU & PGI.
19	Improvement to lighting arrangements by providing "12m High mast tower" in circular platform at Palghat Junction.
20	Provision of lighting in the extended platform at FK, BDJ, MHE, NLE, PAZ, RLPF at Palghat Junction, ELM, TKQ & PKP.
21	Provision of low level PF shelter at ELM, TKQ, CDRA, CHV, Bakel Fort and KQK.
22	Provision of low level PF shelter at KLAD, KMQ, UAA, MJS, ULL & TKOT.
23	SE/W/CLT Sec.Provision of low level Platform shelter at PYOL, IGL, NAU and MUK.
24	SE/Works/PGT Section - Provision of low level PF shelter at MDKI, ETMD, WRA & PGT.
25	PGT Division- Electrification of PF shelter at ELM, KZE, KPQ, MHE, PYOL, NLE, PGT, TA, TLY, UAA, VLI, KN and WRA.
26	CALICUT- Provision of CC apron on line of PF No.3 for a length of 540m.
27	PALGHAT DIVISION - Provision of second FOB and PF watering arrangements at Palghat Junction.
28	Provision of platform shelter for 2 bays on PF-1 and 2 bays on PF-4, both at SRR end of Palghat Junction (CLT) Station.
29	Cannanore- Electrical arrangements and air-conditioning of second entry booking office.
30	TELLICHERRY, SHORANUR & TIRUR: Provision of Electronic Display Board for display of Arrival, Departure & PF Nos.
31	PGT Division- Electrification of PF shelter at BDJ, PAY, FK, OTP, PAZ, and QLD.
32	CALICUT & COIMBATORE :- Supply, Installation, testing and commissioning of coach watering system.
33	PALGHAT DIVN.: Provision of 14 Nos. of Passenger Operated Enquiry Terminals at KQK, KZE, CAN, TLY, BDJ, CLT, TIR, SRR, TPT, TUP, ED & SA.
34	PALGHAT DIVN.: Provision of 20 Nos. of Spot your train machine at 10 stations for passenger information system at MAQ, CAN, CLT, SRR, PGT, CBE, ED & SA.
35	PALGHAT DIVN.: Provision of IVRS for PNR enquiry with 2 MB connectivity at ED, Palghat Junction.
36	Palghat Division - Digital announcement system (19 stations)
37	PGT Division- Replacement and upgradation of obsolete Data Com equipments of D. Enquiry.
38	PALGHAT DIVN.: 19 Nos. Touch screen machines for passenger information at MAQ, SRR, PGT, CBE, ED, SA, TLY & TUP.
39	Calicut, Palghat, Erode and Salem : provision of coach guidance on 2 platform each.
40	MAQ- Extension of watering hydrants in pipeline No.2 at MAQ by 5 coach length.
41	TIRUR - Upgradation of passenger amenities and facilities.
TRIVANDRUM DIVISION	
1	KTYM:- Improvements to approach road and expansion of circulating area
2	ERNAKULAM Jn. - Paving of platform no.2/3 with kota stone or similar flooring.
TIRUCHCHIRAPPALLI DIVISION	
1	PDY - Extension of Platform No.3 to hold 24 bogies

	Cost in Lakhs of rupees
nts.	11.39
nts.	5.92
0 m deep.	30.00
	49.99
ion building	29.40
	1.50
KTU, TA &	29.81
ea.	29.93
KMQ,VLI,	25.99
	27.97
	27.19
	29.45
	15.23
3, PUM,	20.09
	65.00
	94.00
zhikode	40.96
	29.32
g Train	27.00
	15.09
ance	28.12
MAQ,	24.03
ger	29.72
IP & SRR.	19.60
	52.25
Train	90.57
CLT,	28.31
	49.99
	4.80
	99.00
TOTAL	1479.79
	132.00
	95.63
TOTAL	227.63
	34.17

Sl. No	Name of Work	Cost in Lakhs of rupees
2	Tiruchchirappalli Junction- Improvement to station approach road by providing Bituminous surface as per Highways standard.	51.24
3	SIRCARPALAYAM - Renewal of corroded Main steel pipe line 375 mm dia with 400 mm dia ductile iron pipe for residual length of 2100 metres long.	225.38
4	TRB - Provision of platform shelter for platform No.4 (5 bays) (cantilever type).	30.81
5	VRI-Provision of Borewell 2 nos. at Manimuthar river bed.	7.00
6	PUDUCHERRY - Provision of IRS type PF shelter in 3 bays and raising and improvements to PF surface.	84.70
	TOTAL	433.30
MADURAI DIVISION		
1	MADURAI Jn. - Construction of Airconditioned passenger waiting hall at PF.1.	75.00
2	Kayalpattinam stn -proposed extension of exg BG low level PF to hold 18 bogies capacity	20.95
3	Madurai Jn. - Augmentation of watersupply to Railway station by providing deep borewell - 4 Nos. along with pipeline arrangement	52.00
4	Madurai Jn.- Extension of concourse to accommodate additional passenger amenities	53.00
5	MDU Jn:- Proposed reconstruction of Health Inspector office.	38.00
6	Tuticorin: Remodeling of station building and provision of greeneries in circulating area.	72.00
7	VIRUDHUNAGAR - Remodeling of station building and provision of greeneries in circulating area.	72.88
8	Dindigul - Remodelling of station building and provision of greeneries in circulating area.	55.00
9	Madurai Jn. - Remodelling of station building and provision of greeneries in circulating area.	60.00
10	Madurai Division -Extension of platform to hold 24 coaches.	49.00
11	Madurai Divn.: Improvements to Booking offices and enquiry counters at TEN, TN, DG, CVP and VPT.	100.00
12	Tirunelveli - Extension of concourse area incl. shifting of parcel office	70.00
13	Tirunelveli: Remodelling of station building and provision of greeneries in circulating area.	67.00
14	KOVILPATTI - Provision of vacuum dewatered concrete including granite flooring on PF No.1.	60.00
15	MADURAI DIVISION - Extension of Platform to hold 24 bogies at SVPT, SNKL & KDNL and extension of PF to hold 20 bogies at VPJ	49.81
16	MADURAI Jn. - Construction of new Parcel Office complex.	51.00
17	MADURAI Jn. - Second entry - Remodeling of booking counter, PRS, approach road, etc.	51.00
18	RMM- Improvements to circulating area by resitting structures, Construction of waiting room.	52.50
19	DINDIGUL Jn - Provision of 3 bays platform shelter each on PF No.1 & 2 and 3 & 4	80.00
20	DINDIGUL Jn - Provision of vacuum dewatered concrete including granite flooring on PF No.1&2	100.00
21	Karaikkudi : Widening of circulating area, provision of entrance arch, parking arrangements by re-siting institute building and allied structures.	37.00
22	KARAIKUDI Jn.- Construction of separate concourse with modern facilities, passenger amenity cell, etc.	68.50
23	KOVILPATTI - Provision of 5 bays platform shelter on PF No.1	37.00
24	MADURAI Jn - Provision of vacuum dewatered concrete including granite flooring on PF No.2 & 3.	78.00
25	MADURAI Jn. -Replacement of damaged jackarch roof by RCC roof and remodelling the VRR building.	60.00
26	MADURAI DIVISION - TPJ-MNM Section - Provision of light weight shelters 4 bays each at 8 stations.	115.00
27	TIRUNELVELI Jn.- Provision of vacuum dewatered concrete flooring on PF No.3.	83.10
28	DG Jn construction of RCC GLR and OHT of 90000 lit capacity for augmenting drinking water supply for station building.	77.00
29	DG Jn laying of drinking water pipeline from km 3/4-5 to DG stn	24.00
30	KKDI .Provision of PF shelter for 4 bays in pf no 1	40.96

Sl. No	Name of Work
31	MDU Jn - Proposed improvements to existing hydrants in between PF 1 & 2
32	MDU Jn: - Proposed reconstruction of Bomb squad room to augment space for w VPT end.
33	NRK: Proposed extension and raising of Rail level PF No.2 into Low level PF and station name boards
34	Palani: Modernisation of waiting room, construction of VIP lounge, pay & use toilet
35	PDKT STN. PRO Passenger shelter for 4 bays on PF NO. 1
36	SCT Station: Pro. Construction of 90000 liters capacity RCC OHT and repairs to pipeline for station buildings& Platform
37	TDN stn-Pro.extension of exg. BG high level PF no. 2 for length of 210m to hold
38	TDN, TMQ: Pro. Construction of Over Head Tank, TDN – 45,000 litres, TMQ –
39	TEN Proposed improvements to concourse flooring and daddooing at TEN station
40	DG JN- Augumentation of water storage for the requirement of stn cleanliness.
41	DG jn- provision of vacuum dewatered concrete flooring , duly raising and exten benches at PF no. 3 & 4.
42	Karupatti -Proposed extension and raising of rail level platform in to low level pl
43	MDU JN- Improvements to exg. CC apron in Rd No. 2. at isolated locations.
44	MDU JN- improvements to front façade of station building extended in north an
45	TEN Jn Improvements to stn app. Rd towards NCJ end & ADEN/TEN office.
46	TPJ- MNM (BG) section :- DKO Road station – Proposed extension of existing platform to hold 24 bogies capacity.
47	TPJ- MNM (BG) section :- DKO Road station – Proposed extension of existing platform to hold 24 bogies capacity.
48	VDP: Extension of rail level PF No.2 to hold 20 bogies.
49	KKZ stn Improvements to waiting room, booking counter etc.
50	Manamadurai junction;- closing of sky open in the second class waiting hall
51	MVN stn-Pro. Black topping of remaining portion of adjacent owens line.
52	KOVILPATTI - Remodeling of station building and provision of greeneries in /06-07), CE/OL.
53	RAJAPALAYAM - Provision of FOB.
54	KKDI JN Augumentation of water supply to stn by providing deep bore wells
55	THENI:- Provision of Public Reservation Centre.
56	TUTICORIN:- Extension of platform Shelter On PF No.2 for a length of 5 b
57	VANCHI MANIYACHCHI Jn:- Extension of platform Shelter on PF No. 2 PF.3 for 2 bays.
58	VIRUDUNAGAR: Raising of the floor level of the station building
59	TIRUNELVELI JUNCTION: Provision of platform shelter in platform No. 4
60	MADURAI Jn.: Extension of exg. Island platform No. 2 & 3 to BG high level m above rail level to hold 26 bogies towards DG end.
	Grand Total Cost

	Cost in Lakhs of rupees
	21.00
of PF No.1 at	33.00
ncing and	30.00
	37.00
	28.80
eroded	38.80
ies capacity.	40.00
litres.	30.00
	35.00
	20.00
exg. Platform	99.00
	50.00
	50.00
side PH-II:	52.00
	8.00
edium level	55.00
edium level	55.00
	50.00
	53.03
	0.98
	20.00
ing area (id:1328	60.00
	68.83
	16.00
	10.00
	28.00
ngth of 3 bays and	38.00
	10.56
	30.00
90 m long with 0.84	12.63
TOTAL	2930.33
orks Completed	8002.60

PASSENGER AMENITY WORKS IN PROGRESS DURING 2013-14			
Sl. No	Name of Work		Cost in Lakhs of rupees
Chennai Division			
1	Chennai & Salem Division - Foot over bridges (5 Nos) (D-category stations).		330.00
2	Sullurpeta - Construction of reitiring rooms (AC-1 no. & non-AC-2 nos), waiting hall.		28.00
3	Ambur & Jolarpettai - Upgradation as model stations		577.01
4	Sullurpeta - Model Station - Construction of designer compound wall and landscaping.		30.00
5	Nayudupeta - Extension of platform nos. 1&2 for 26 coach length including provision of platform shelter and water booth.		30.00
6	Sullurpeta - Extension of platform nos. 1&2 for 26 coach length including provision of platform shelter and water booth.		25.00
7	Nayudueta - Improvements to waiting hall including furniture, concourse area and platform surface.		20.00
8	CHENNAI - ARAKKONAM Section - Provision of FOB at Annanur (halt station)(OT 2004-05) CE/OL.		28.72
9	CHENNAI - ARAKKONAM Section - Provision of FOB at Egattur (halt station)(OT 2004-05) CE/OL.		31.22
10	CHENNAI - GUDUR Section - Raising and paving of PF 4 & 5 ,6 & 7 at BBQ and provision of shelter and paving at VOC nagar (id: 1899/07-08),CE/OL.		48.45
11	MAS Dn - Provision of Energy efficient T-5 lamp fittings in model stations, TMV, MSB, WJR, SPE, PUT, MLMR & AB stations.		29.99
12	MAS Dn - Provision of Energy efficient T-5 lamp fittings and improvements to platform lighting at Arakkonam station.		15.00
13	MAS Division - Provision of lighting for landscaping and beautification of station building at KPD and TRT, CGL & TBM.		30.00
14	MRTS section - Replacement of corroded doors and windows at various stations.		29.00
15	MAMBALAM - Improvement as model station (id: 1098 / LAW 01 -02, CE/OL).		55.89
16	ARAKKONAM - JOLARPETTAI SEC. ? Extension of FOB on south side of WJR station and extension of FOB at north side colony at Katpadi Junction. (id: 102).		36.59
17	Chennai & Salem Divisions - Raising of rail & medium level platforms to high level (B-category - 2 & D-category - 13 stations).		900.00
18	Basin Bridge - Augumentation of water supply arrangement by installation of recycling plant & electronic monitoring system.		648.85
19	MAS-GDR - Provision of borewell & RCC OHT at KVP, RCC OHT one each at PON & GPD, PVC tank at NYP including pumping. (Id:1501/09-10)CE/OL.		58.27

Sl. No	Name of Work
20	CHENNAI CENTRAL - Replacement of existing AC sheets with galvalume sheets for platform Nos. 1, 2 & 2A. (Id:1498/09-10) CE/OL.
21	"CHENNAI DIVISION - (MSB-TBM section) - Provision of booking office at Mambalam on Eastern side. (Id:1453/10-11) CE/OL.
22	CHENNAI BEACH - VILLUPURAM Section - Replacement of AC sheets with GI sheets at FOBs of PV, MSF, MBM and TBM (Id:1500/09-10) CE/OL.
23	Southern Railway - Platform shelters (2 Nos - B-category stations & 2 Nos - D-category stations).
24	KORATTUR - Extension of FOB across quadruple lines. (Id:1497/02-03), CE/OL.
25	CHENNAI - GUDUR Section - Provision of IRS type PF shelters at Attipattu, Puthunagar (2X32 m) and Arambakkam Stations. (Id:2004-05) CE/OL.
26	CHENNAI EGMORE - Improvements to yard drainage arrangements. (Id:1460/10-11) CE/OL.
27	Chennai Division - Improvement to Adarsh stations (8 stations).
28	Chennai Egmore - Improvement to passenger amenities including toilet facilities.
29	GUINDY - Extension of PF to accommodate 24 coaches (Id:1497/07, CE /OL).
30	Guindy - Paving of extended portion of platform and benches.
31	MS - Improvements to Hydrant pipe line in Platform No. 4 and Waiting halls.
32	Nandiyambakkam and Attipattu Puthu Nagar - Provision of platform shelter.
33	AJJ-JTJ Section - Widening of PF no.1, CC paving of PF no.2 SHU and provision of CC tiles on FOB at KPD. (Id:1497/09) CE/OL.
34	MAS - AJJ section - Strengthening of Foot over bridge at P. & W. station.
35	AJJ - JTJ section - Strengthening of the existing high level crossing.
36	ADEN/TBM subdivision - Imp to water supply arrangements providing borewells at St. Thomas Mount, Palavanthangal, Pallavaratty.
37	MAS div-Prov of separate rooms for Gen sets of the BOs at GDY, STM, PZA, MN, TLM, PV, TBMS, ENR, AIP, MJR, KVP, GPD, ELR, AKM, TAD, SPE&NYP.
38	MS-VM section - Improvements to water supply arrangements providing borewells at Kodambakkam and Mambalam stations.
39	MRTS - Improvements to passenger amenities at various stations between Park Town and Velachery.

	Cost in Lakhs of rupees
OL.	99.69
elevated OL".	210.00
isting	96.13
& 23	341.97
7/02-03),	35.00
at s.)(OT/	15.69
	162.08
	678.16
tification	660.00
4 / 06 -	49.95
	15.00
2 & 3,	29.90
type	15.00
& 3 at E/OL.	76.06
nd PEW	25.00
at KPD	29.00
providing apakkam.	16.00
K, MKK, B, PON,	29.40
y	12.00
s between	29.00

Sl. No	Name of Work	Cost in Lakhs of rupees
40	ADEN/NWL subdivision - Painting of station name boards and provision of Trolley mark on platform surfaces.	25.00
41	Renovation of BOs at PEW, PCW, imp to PF fencing at PCW, Repl. of AC gutters, down water pipes, PVC down water pipes at VLK, PER & BBQ, Imp to subway at VPY.	29.00
42	CHENNAI CENTRAL & MOORE MARKET COMPLEX - Replacements of existing broken AC sheets in PF No.6 to 9 & 14.(Id:1459/10-11) CE/OL.	186.66
43	MS- Improvements to PF surfaces with vacuum dewatered concrete, Replacement of AC sheets with GI sheets in station building(Id:1458/10-11) CE/OL.	154.63
44	Pallavaram - Widening of the existing FOB stairway	75.15
45	MS-VMsec-Strengthening of RCC stairway, gangway columns, beams, stringers of FOB at GDY & Prov of roof & strengthen of exg steel structures FOBs at SP & STM.	76.20
46	MSB-VMsec-Strengthening of gangway floor slabs & steps by Guniting method/Shotcrete method for FOBs at MSB, MSF and Chennai Park.	94.75
47	AJJ-JTJ & AJJ-RUsec-Strengthening of structures, renewal of gangway, stairway slabs of FOBs at WJR, KPD, KVN, GYM, VLT, AB, VN, JTJ, TRT, TDK & PUT stations.	93.90
48	MAS-AJJsec-Strengthening of structures, renewal of gangway, stairway slabs of FOBs at BBQ, PER, VLK, KOTR, ABU, PAB, TI, SVR, TRL, KBT, MAF, MSU & AJJ stations.	96.00
49	MAS-GDR sec - Repl of existing gangway and stairway slabs and strengthening of FOBs at Gummidipundi and Nayadupeta stations.	41.65
50	Pallavaram - Provision of elevated level booking office and laying of approach road on western side.	63.01
51	Chromepet - Repl of exg gangway and Provision of new stairway over exg foundation & strengthening of existing FOB structures.	86.90
52	Chennai Central - Laying of washable CC Apron on Platform Nos. 3, 4 & 5 in MAS yard.	71.64
53	Chennai Central - Laying of washable CC Apron in VIP Siding and SPART siding in MAS Yard.	60.26
54	Tiruvallur - Provision of roof for FOB	17.25
55	MSB- TBM section - Paving of Platform Nos. 7 & 8 at Chennai Beach and Platform No. 5 at Chennai Fort.	66.17
56	PERAMBUR - Additional exit to PF no.1 duly shifting of existing parking and paving of circulating area.	186.95
57	DEN/CENTRAL JURISDICTION - Provision of mini PF shelters incl. benches and paving.	94.04
58	Sr.DEN/WEST/MAS Jurisdiction - Provision of mini PF shelters incl. benches and paving.	94.04

Sl. No	Name of Work		Cost in Lakhs of rupees
59	DEN/South JURISDICTION - Provision of mini PF shelter and paving.	benches	94.34
60	DEN/East/MAS Jurisdiction - Provision of mini PF shelters and paving.	benches	94.34
61	CHENNAI MRTS Section - Improvements to pipelines, PF circulating area at MPKT, MCPT, MCPK, MTCN & MLHS (id: 1909/07-08), CE/OL.	shes and MTMY	44.58
62	MAS-GDR section - Raising and paving of platforms at AI NPKM & MJR stations.	IP,	60.00
63	MAS-GDR section - Raising and paving of platforms at PC & GPD stations.	PB, KVP	40.00
64	KOKG - Paving of open wagon unloading area in KOKG g	yard	65.00
65	Ekambarakuppam - Standardization of up and down line pl including improvements to passenger amenities.	n	69.86
66	MAS-GDR section - Extension of Platforms at AIPP and A accommodate 12 car rakes.		29.09
67	MAS-GDR section - Extension of Platforms at NPKM and accommodate 12 car rakes.	to	29.12
68	MS-VM section - CC paving of platform at wayside station		27.00
69	MAS-AJJ section - Provision of engraved non-slippery tiles challenged/blind persons at ABU, AVD, TRL.	physically	29.90
70	MAS-AJJ section - Extension of platforms to accommodate EMU rake in Up & Down slow line at Pattaravakkam & An	2 car r.	26.80
71	MAS-AJJ section - Extension of platforms to accommodate EMU rake in Up & Down slow line at Tirumullaivoyil & A	2 car r.	24.54
72	MAS-AJJ section - Extension of platforms to accommodate EMU rake in Up & Down slow line at Pattabiram.	2 car	27.78
73	MAS-AJJ section - Extension of platforms to accommodate EMU rake in Up & Down slow line at PTMS & Hindu Coll	2 car	24.80
74	Perungalathur - Extension of platform no 2 & 3 to hold 12 c	EMU rakes.	24.00
75	Chennai Central - Extension of water hydrants for 24 coach 7 & 8.	PF Nos.	25.00
76	Chennai Div-Strengthening of steel structures, renewal of da sheets with galvalume sheets on FOBs at PER, AVD, VLK, TRT.	d AC BT &	29.90
77	Vyasarpadi Jeeva - Improvements to platform shelter (5 bay		29.90
78	Chennai Egmore - Provision of PF benches in platforms 3& replacement of coping at PF 1&2.	& 11 and	15.00
79	Improvements to GLRs at MCPT, MLHS, MTMY; laying a maintenance of Lawns in Works/MCPT section; and impro CMWSSB inlet at MPKT.	nts to	28.00

Sl. No	Name of Work	Cost in Lakhs of rupees
126	TEN Replacement of broken AC sheets and gutters with Galvallum sheets at TEN on PF-1, 2 &3.	32.00
127	TEN: Provision of storayed type parking facilities	25.00
128	MDU Dn: Provision of PF shelters at TEN & VPT including PF surface improvements and provision of water taps in sheltered area.(Id:1499/10-11) CE/OL.	144.94
129	RAMESWARAM - Pro. of passenger shelter for 6 bays each on PF Nos.2 & 3 and 4 & 5.(Id:1498/10-11) CE/OL.	134.54
130	DG sub DN- Repairs and maintenance of PF shelter	22.00
131	Kallal stn -pro extension of exg.BG medium level PF NO. 1 & 2 to hold 24 bogies capacity	52.00
132	MEJ – Construction of new FOB	90.00
133	MEJ – Provision of PF benches, approach road, circulating area, trolley path etc	15.00
134	MNM Jn- Improvements to goods PF and goods approach road.	99.00
135	SCT stn- Improvements to circulating area,carparking lot,pay & use toilet.	30.00
136	SCT stn- widening of approach road provision of pay & use toilet circulating area.	33.00
137	SNKL station: Pro. Construction of GLR 20,000 litres capacity and provision of 200mm dia Borewell with pumping arrangements.	30.00
138	TDN Stn.- Proposed construction of II Class waiting hall, passenger latrine and approach road.	33.00
139	VPT: Improvements to circulating area .	95.00
140	Pamban koil shandy - proposed extension of exg. low level and rail level platform No.1 & 2 to BG high level to the length of 580m.	187.63
141	DG Jn- Proposed alternate road for new goods shed and construction of culvert @ 1.5 m dia span	4.62
142	DG Jn- widening of existing approach road to goods shed	22.65
143	SNKL stn Improvements to waiting room, booking counter etc	50.00
144	VPT - repairs to existing approach road to railway station from NH	5.00
145	MDU: Improvement to carriage water hydrants by replacement at platform & pit line)	35.00
146	DKO, SUX, SQD, MMM & PBM: Provision of PF toilets.	36.00
147	Madurai Divn.: Provision of standard signages at TEN, TN, DG, VPT CVP and remaining platforms at MDU. (id: 1332 / 06-07), CE/OL	49.92
148	TCN: Proposed Carriage water hydrants in between road No.1 & 2 for VIP siding.	30.00
149	Maduarai Division - Development of Adharsh stations	7.02
150	SCT Station: Pro. Construction of Pump house & approach road to Pump house.	29.80

Sl. No	Name of Work
151	SDN stn -proposed extension of exg PF No.2 for 51 m & 5.50 m rail level to hold 26 bogies capacity.
152	SNKL Station: Replacement of exg. Steel tank with RCC OH of 100 litres capacity and replacement of Exg. Corroded pipelines for
153	MADURAI Jn.- Provision of approach road to the new parcel and additional parking area.(Id:1500/10-11) CE/OL.
154	RAMESWARAM - Impr to PF 4 & 5 by providing addl. water shelter and construction of toilet, impr to circulating area , tie
155	MDU: Improvements to circulating arear near new parcel office
156	TEN -Provision of Premium Car Parking and Grill arrangement station approach road.
Palghat Division	
157	PALGHAT DIVISION - Extension of rail level PF at 6 station Elathur, Jagannath temple gate, Tikkoti, Kannur south and Pa
158	NILAMBUR - Provision of new booking office and circulating second entry and high level PF with 18 coaches length (Id:1490/10-11) CE/OL.
159	PALGHAT DIVISION -Upgradation of passenger amenities in area (except AAM)(Id:1509/09-10)CE/OL.
160	PALGHAT DIVISION -Upgradation of passenger amenity work & TLY.(Id:1512/09-10)CE/OL.
161	PGT Division - Provision of mini shelters at various stations in DEN/West/PGT portion.
162	SHORANUR - Improvements to pf surface with vacuum dew concrete on PF No.6&7.(Id:1490/10-11) CE/OL.
163	Procurement of 171 Nos. Motorola VHF set GP 328 and 26 N VHF ste GM 338.
164	PALGHAT DIVISION - Extension of rail level PF at 6 station Ettimadai, Kanjikode, Pallipuram, Tirnavaya, Kallayi and We
165	Kannur, Vadakara, Thalassery & Tirur - Provision / improvement passenger amenities.
166	Mangalore Central-Provision of high pressure jet cleaning facility for maintenance of coaches in pit lines.
167	Palghat & Trivandrum Divisions - Raising of rail & medium platforms to high level (B-category - 3 & D-category - 24 stations).
168	Palghat & Trivandrum Divisions - Foot over bridges (10 Nos) stations).
169	MANGALORE Jn - Supply , erection, testing & commissioning submersible pump set.

	Cost in Lakhs of rupees
de at	30.00
100 on.	20.00
e and	152.00
s, PF g	150.00
	20.00
r	28.00
Total	6918.15
akkiti, sserri.	192.45
ea at -11)	184.60
R -NIL	99.00
at BDJ	99.00
	200.00
g	102.00
Mobile	22.11
	181.84
il.	782.00
o	
for	19.33
	1620.00
category	331.00
f	5.31

Sl. No	Name of Work	Cost in Lakhs of rupees
170	VADAKARA - Provision of PF shelter 4 bays, 7.14m wide (IRS type) on Down line PF at SRR end at SRR end.(Id:1476/10-11) CE/OL.	103.00
171	KASARGOD - Provision of PF shelter 3 bays, 7.14m wide (IRS type) on Down line PF at SRR end and 4 bays, 7.14m wide Id:1477/10-11) CE/OL.	166.64
172	VADAKARA - Extension and raising of PF No.2 to hold 24 coaches and construction of PF No.3 to hold 24 coaches.(Id:1480/10-11) CE/OL.	126.10
173	Nileshwar- Proposed widening of passenger platform No.2 to accommodate FOB.	71.00
174	Angadipuram- Proposed re-constrion, widening and extension of platform No.2 for a length of 270m (12 coaches).	98.00
175	Upgradation of passenger amenities at Mangalore Jn.	84.27
176	PALGHAT DIVISION -Upgradation of passenger amenity works at KTU . (Id:1513/09-10)CE/OL.	50.00
177	Coimbatore - 2nd subway from main entry side connecting platforms 1 to 4.	562.00
178	PGT Division - Provision of concealed type earthing /safe earthing at A & B category stations 14 Stations.	17.57
	Total	5117.22
Salem Division		
179	TIRUPPUR - Proposed construction of second class waiting hall in PF No.2 construction of staff qrs 10 units (Type- II).(Id:1473/10-11) CE/OL.	162.80
180	KARUR - Strengthening of column and beams in station building, improvements to approach road, drainage arrangements (id:1685 / 08-09), CE /OL	45.60
181	ADEN/N/SA Portion shifting of name boards to platform ends at various stations between TPT-LCR	30.00
182	Provision of PF surface paving at OML, MCRD,DSPT,stations	30.00
183	ADEN/KRR Subdivision - EDU- Extension of high level PF No.1 -180m long and proposed Highlevel platform at PF No.2 for a length of 405m	95.56
184	Southern Railway - Escalators at major stations (4 Nos) (2 stations) (Supplementary 08-09 item)	280.00
185	ADEN/ED Sub Dn - (i) Extension of PF length in ANU, CV, TPM, VZ (4 stations) & (ii) SGE - Raising of PF No.2 to high level.(Id:1469/10-11) CE/OL.	179.20
186	ERODE & TIRUPPUR - Provision of cable trays for the electrical cables to ensure safety and give aesthetic look.(Id:1505/09-10) CEE.	17.82
187	SALEM Dn - Provision of True colour LED display Boards over SA Division.(Id:1471/10-11) CSTE	211.77

Sl. No	Name of Work	Cost in Lakhs of rupees
188	BUDDIREDDIPPATTI - Proposed extension of PF 1 & 2 for length and provision of FOB to connect PF 1 & 2.(Id:1470/10)CE/OL.	190.20
189	BOMMIDI - Extension of PF No.1 for 295 m and PF No.2 & 150 m to accommodate 24 coach trains for length of 650m. (Id:1470/10)CE/OL.	246.26
190	SALEM DIVISION - Provision of drinking water facilities at SA, SAMT, ED, IGU, PLMD & CBF(id: 1679/ 08-09), CE/OL.	49.50
191	CBE - Proposed PF shelter and light weight PF shelter base at PLMD, SHI, IGU, SUU, SNO, VNJ.(Id:1472/10-11) CE/OL.	192.75
192	Construction of PF toilets at CVD, PAS, KMD, PGR, MMH, PLI, PGN, EL & VEI, PALM, EDU stations in KRR sub-division.	29.78
193	KRR-Improvements to concourse, booking office and waiting circulating area at KRR	27.00
194	SA- 2 lift wells for provision of lifts for physically challenged persons	29.50
195	SALEM DIVISION - Provision of purified drinking water through water treatment systems.(Id:1506/09-10)CE/OL.	20.00
196	ADEN/KRR Subdivision- VEI & PALM - Extension of High PF No. 1- 180m each length	77.87
197	SALEM Dn. - Proposed widening and improvements to circulating area.(Id:1474/10-11) CE/OL.	143.00
198	ADEN/KRR Sub Dn - (i) Extension of PF No.1- Rail level to level and extension of PF No.1 medium level MPLM, PAS, CVD.(Id:1468/10-11) CE/OL.	163.87
199	Provision of PF benches in way side stations in KRR Sub-division	10.00
200	Provision of LED Coach Guidance display boards for one platform at Salem Town, Attur and Chinnasalem.	67.80
201	TIRUPPUR and COIMBATORE - Provision of coach guidance platform each. (id: 1301 / 06-07), CE/OL	49.99
202	Improvements to circulating area at wayside station in SE/PW section	30.00
203	Additional PF shelter for 50M length on each of the PF No. 1 at the ends at PTJ Jn.	23.06
204	CBE-Proposed AC waiting room in PF.No1 & 2	18.57
205	Improvements station approach roads in SE/PW/BQI section	29.00
206	Improvements station approach roads in SE/PW/TPT section	29.00
207	Improvements to water supply arrangement at SA station	30.00
208	KLT- Proposed light weight PF shelter on PF.No.2	20.00
209	SA Jn- Proposed dadoing and Kotta stone flooring at left of Salem.PF.No. 3-JTJ- end.	23.06
210	CBF- Proposed Improvements to station approach road on right side.	90.41

Sl. No	Name of Work	Cost in Lakhs of rupees
211	ED- Provision of CC apron on line of PF No. 1 for a length of 570m	99.32
212	Impr.of Telecom arrangements, provision of additional accommodation facility and improvement to power supply arrangements at information centres .	60.00
213	Improvements to DTES Network Connectivity and Up gradation of DTES Server Replacement of Auto announcing system etc.	96.00
214	Provision of LED Coach Guidance for Two platforms each at Tirupattur and Morappur stations	84.30
215	Provision of True colour LED Coach Guidance display boards for 2 platforms at Salem.	62.00
216	Provision of True colour LED Coach Guidance display boards for Two platforms each at Bommiddi and Sankaridrug.	84.30
	Total	3129.29
Tiruchchirappalli Division		
217	VRI & PDY- Provision of water hydrants	44.23
218	TPJ- (i) Provision of PF shelter on PF No.1 and (ii) Provision of additional multilevel parking for two wheelers in main entry.(Id:1497/10-11) CE/OL.	111.48
219	Provision of 2 Nos. Double bedded retiring room at VLR station	15.00
220	VILLIYANUR(halt) - Provision of HL Platform, Halt station Building and Toilets(Id:1545/09-10)CE/OL.	41.71
221	Pondicherry proposed washable apron using precast RCC slab for platform (Road1 and 2).	29.80
222	SWI - Proposed raising of RL PF to HL PF and provision of PF shelter, PF taps and fencing etc.	56.02
223	TVR- Improvements in Platform surface of PF No.1 with vacuum dewatering concrete.	33.00
224	THANJAVUR - Proposed CC apron at platform No.3.(id: 1703/ 08-09), CE /OL.	60.00
225	MY- Raising of exg. RL PF into Medium level platform	37.50
226	TRM- Raising of exg. RL PF into Medium level platform	27.31
227	Proposed High Pressure jet cleaning system at Pit No. 1&2 of BG Coach Maintenance Depot/TPJ.	35.09
228	TIRUCHCHIRAPPALLI FORT - Extension of PF No.1 to hold 24 bogies.	198.76
229	NPT- Raising of exg. RL PF into Medium level platform	26.73
230	TIRUCHCHIRAPPALLI - Improvements to parcel offices at KMU, PDY, MV & TVR (id: 1979/07-08), CE/OL.	49.64
231	VILLUPURAM - Rebuilding of station building, waiting hall, platform shelter & improvements to circulating area (id: 448 / PB 03-04), CAO/CN.	194.94
232	PDY- Construction of GLR with a capacity of holding 1 lakhs litres water.	20.00
233	TDR- Raising of exg. RL PF into Medium level platform	28.50
	Total	1009.71

Sl. No	Name of Work
Trivandrum Division	
234	Southern Railway - Escalators at various stations (22 Nos) (10%)
235	Thiruvanthapuram Division - Raising / extension of platforms (10%)
236	TVC Dn - Developing 14 'Adarsh' stations - Electrical Arrangement
237	TRIPUNITTURA - Provision of Shelter 64 m each in PF 1 and 2.(Id:1538/09-10)CE/OL.
238	TRIVANDRUM DIVISION - Extension of platforms to hold 2 stations) (id: 1963/07-08), CE/OL.
239	KANNIYAKUMARI & NAGERCOIL Jn. - Surfacing of Platform CAPE and PF 2&3 at NCJ.(Id:1535/09-10)CE/OL.
240	NANGUNERI & ARALVAYMOLI - Provision of waiting room (id:1698 / 08-09), CE /OL.
241	ERNAKULAM Jn. - Raising of PF 4/5 from medium to high (Id:1527/09-10)CE/OL.
242	TRIVANDRUM Dn: Improvements to approach roads and circles at MVLK, OCR, PRND & STKT.(Id:1496/10-11) CE/OL.
243	VALLIYUR & KULITTURAI - Waiting rooms.(Id:1540/09-10)CE/OL.
244	Valliyur. Provision of FOB
245	AWY:- Raising of Platform No.1 to high level and surfacing
246	GURUVAYUR - Water supply arrangement, replacement of lines.(Id:1531/09-10)CE/OL.
247	TRTR ; Improvements to approach road and circulating area
248	ALUVA - Provision of Shelter 64 m each in PF 1,2&3.(Id:1510/09-10)CE/OL.
249	TRIVANDRUM Dn:Provision of recommended level of PF STKT, MVLK & CGY.(Id:1494/10-11) CE/OL.
250	KTYM:- Provision of Pilgrim Complex at Kottayam for Sat Pilgrims.
251	Thiruvananthapuram - Addl foot over bridge (5 m wide) at
252	TRIVANDRUM DIVISION - Provision of FOB at KCVL main entry & second entry.(Id:1542/09-10)CN/TVC.
Grand Total Cost of Work	

	Cost in Lakhs of rupees
as)	1386.00
ations)	1431.00
s.	55.00
	74.00
gies (3	235.58
PF 1 at	93.08
	66.00
	99.00
ing area	123.34
E/OL.	87.42
	42.08
	80.80
ative pipe	64.28
	74.18
09-	81.75
er at	176.40
ala	72.00
coil end	298.00
cting PFs,	248.00
Total	4787.91
in progress	29,623.31

12. Expenditure incurred on Passenger and Other Railway Users' amenities 2013-2014

					(Figures in lakhs of ₹)				
1					2	3	4	5	
Details of basic amenities and additional facilities					Plan-head Passenger and Other Railway Users Amenities	Plan-head Computerisation	Other Plan heads like New Lines, Doubling etc.	Total	
A. Basic Amenities—									
1. Proper booking arrangements..	..	..	..	..	19	0	0	19	
2. Waiting Hall	..	..	..	..	143	0	0	143	
3. Benches	..	..	..	..	121	0	0	121	
4. Suitable arrangements for Electric Lighting ..	..	..	..	..	127	0	0	127	
5. Drinking water supply arrangements at stations	..	..	..	..	165	0	0	165	
5(a) Drinking water supply arrangements in the trains	..	..	..	..	10	0	0	10	
6. Platform with well maintained surface (Rail level platforms at flag stations)	..	..	..	..	76	0	0	76	
7. Latrines	..	..	..	..	38	0	0	38	
8. Shady trees	..	..	..	..	61	0	0	61	
B. Additional facilities—									
1. Urinals	..	..	..	..	0	0	0	0	
2. Platform Covers	..	..	..	..	1201	0	0	1201	
3. Bath facilities	..	..	..	..	4	0	0	4	
4. Water Coolers	..	..	..	..	2	0	0	2	
5. Foot Over Bridges or Subways	..	..	..	..	1171	0	0	1171	
6. Washable Aprons	..	..	..	..	205	0	0	205	
B. Additional facilities—(Concid).									
7. Retiring Rooms & Rail Yatri Niwas	..	..	..	..	35	0	0	35	
8. Refreshment Rooms, Base kitchens and Trolleys/Stalls for Catering & Vending.	..	..	..	..	49	0	0	49	
9. Improved lighting and fans on platforms	..	..	..	..	114	0	0	114	
10. Enquiry Offices, Train indicator Boards	..	..	..	..	350	0	0	350	
11. Reservation Offices—Computerised Reservation.	..	..	..	..	29	383	0	412	
12. Improvements to circulating area	..	..	..	..	738	0	0	738	
13. Car, Tonga, Cycle stands	..	..	..	..	21	0	0	21	
14. C. C., TV	..	..	..	..	10	0	0	10	
15. Cushioning of Second Class Berths	..	..	..	..	0	0	0	0	
16. Renovation/Remodelling of station buildings	..	..	..	..	199	0	0	199	
17. Carriage Watering	..	..	..	..	4	0	0	4	
18. Book Stalls	..	..	..	..	2	0	0	2	
19. Raising, lengthening, widening and resurfacing of platforms	..	..	..	..	1447	0	0	1447	
20. Public address system	..	..	..	..	26	0	0	26	
21. Exhibition of Time-Table sheets on Glass Fronted Frames..	..	..	..	..	81	0	0	81	
22. Improvement to existing Carriages such as provision of Fans, improved lighting & lavatories, special insulation in roofs, bigger water tanks in Carriages, better fittings, etc.	..	..	..	..	44	0	0	44	
23. Improved latrines	..	..	..	..	12	0	0	12	
24. Miscellaneous improvements to existing amenities, viz., provision of seats, hedges, etc.,	..	..	..	..	236	0	0	236	

1	2
Details of basic amenities and additional facilities	Plan-head Passenger and Other Railway Users Amenities
C. Other Railway Users' amenities (for Goods Sheds and Parcel Offices)—	
1. Arrangements for drinking water including water coolers, water trollies, etc.	16
2. Waiting accommodation	44
3. Refreshment Rooms & Vendors Stalls	55
4. Latrines	33
5. Miscellaneous arrangements like provision of seats, hedges & shady trees	94
6. Lighting arrangements and provision of fans	40
7. Rest shelters for licensed porters	2
Grand Total	7024

(Figures in lakhs of ₹)		
3	4	5
head interior ion	Other Plan heads like New Lines, Doubling etc.	Total
0	0	16
0	0	44
0	0	55
0	0	33
0	0	94
0	0	40
0	0	2
83	0	7407

13. Statement of Actual Expenditure under Amenities for Staff for the year 2013-20

Sl. No.	Description	(Fig)	Gross
1	New Hospitals, Dispensaries, additions and improvements to existing ones.		2,24,334
2	New Schools, additions, alterations, improvements & additions to Existing ones.		1,783
3	New Institutions, rest houses, sports grounds, reading rooms, Improvements & additions to existing ones.		7,932
4	Provision and improvement of health and welfare works & maternity centres.		964
5	Cooking arrangements for workshops canteens & rest houses for workmen.		488
6	Provision and improvements of sanitation, water supply, road lighting and marketing facilities in Railway colonies.		22,946
7	Improvements Alterations to Existing quarters whatever type ..		7,810
8	Others Works		4,187
9	Total Col. 1 to 8 (Staff Amenities)		2,70,444
10	Provision for Officers' Quarters		12,169
11	Quarters for Class III Staff		95,677
12	Quarters for Class IV Staff		47,962
13	Total Col. 10 to 12 (Staff Quarters)		1,55,808
14	Total Col. 9 + 13		4,26,252
15	Medical Expenses — J 200		18,36,751
16	Health and welfare services — J 300		2,97,301
17	Education — J 100.. .. .		5,83,960
18	Canteen and other staff amenities — J 400		52,852
19	Staff Training — K 500		3,85,445
20	Total Col. 15 to 19		31,56,309
21	Grand Total Col. 14 + 20		35,82,561

Thousands of ₹)	
Credit	Net
85	2,24,249
0	1,783
0	7,932
0	964
0	488
0	22,946
0	7,810
0	4,187
85	2,70,359
1,728	10,441
1,022	94,655
0	47,962
2,750	1,53,058
2,835	4,23,417
0	18,36,751
0	2,97,301
0	5,83,960
0	52,852
0	3,85,445
0	31,56,309
2,835	35,79,726

14. Passenger Traffic 2013-14**No. of stations functioning for Issue Passenger traffic during 2013-14.**

- (i) No. and Name of City/Town Booking Offices .. 2
 1. Tirunallaru Town Booking Office } Tiruchchirappalli
 2. Nagore Daurgha Town Booking Office }

- (ii) No. and Name of City/Town Booking Agencies Nil

- (iii) No. of Name & Out Agencies 9

Name of Out Agency	Division
1. Kattapana Out Agency	Trivandrum
2. Todupulai Out Agency	"
3. Adimaly Out Agency	"
4. Aranmula Out Agency	"
5. Ponnani Out Agency	Palghat
6. Pazhassi Out Agency	"
7. Rasipuram Out Agency	Salem
8. Paramathivelur Out Agency	"
9. Gobichettipalayam Out Agency	"

15. No. of stations opened/closed during 2012-13 for issue of Passenger traffic 2013-14

- (i) No. and Name of City/Town Booking Offices .. Nil
 opened/closed.

- (ii) No. and Name of City/Town Booking Agencies Nil
 opened/closed.

- (iii) No. of Name of Out Agencies closed .. 2

1. Kumili Out-Agency closed on 29-08-2013
 2. Tiruchengodu Out-Agency closed on 15-07-2013

16. No. of Halts functioning during 2012-13 .. 155
 (* includes Halts presently closed as a result of gauge conversion in that section). List enclosed.

- (i) Train halts converted in to flag stations .. Nil

- (ii) Stations Opened/Closed for traffic .. Nil

- (iii) Block stations downgraded into flag/train halts Nil

- (iv) Train halts opened for passenger traffic .. 4

1. Kappil Halt has been opened on 25.11.2013
 2. Puduchataram halt has been opened on 15.07.2013
 3. Vangal halt halt has been opened on 13.07.2013
 4. Laddiadi halt has been opened on 18.10.2013

- (v) Train halts closed for passenger traffic .. Nil

- (vi) Train Halts re-opened for passenger traffic .. Nil

17. Station opened/closed for Goods traffic during the year 2013-14

Sl. No.	Div	Section	Station	Date of		Description of Traffic	
				Opening	Closing	Opening for	Closing for
1	SA	Salem-Karur	Karur (Goods 32/13)	21-5-13	—	Goods Traffic in train load for both Inward and Outward in local and through booking	—
2		Salem-Karur	Namakkal Goods 97/13.	8-11-13	—	-Do-	—
3	TPJ	Tiruvarur-Nagore	Nagore (Goods 45/13).	—	24-06-13	—	Goods traffic for outward trainload
4		Villupuram-Puducherry	Puducherry (Goods 89/13).	—	23-10-13		-Do-
5		Mayiladuthurai-Tiruvarur	Peralam (Goods 7/14)	13-2-14.	—	Goods half rake inward/outward local & through booking.	—

18. Station opened/closed for Goods traffic during the year 2013-14

Sl. No.	Div	Section	Station	Date of		Description of Traffic	
				Opening	Closing	Opening for	Closing for
1	MAS	CGL-VM	Karasangal Halt (Coaching 21/13).	—	01-02-13	—	All Traffic
2	"	MAS-GDR	Korukkupet Goods (Coaching 43/13).	12-09-13	—	Handling Parcel Cargo Express Trains for both outward and inward in local & through booking	—
3	"	MSB-VLCY	Mundakanni Amman Koil (General 1/14).	To be Notified	—	For Passenger Traffic	—
4	MDU	MDU-DG	Kudal Nagar Good Shed (Coaching 43/13)	12-09-13	—	Handling Parcel Cargo Express Trains for both outward and inward in local & through booking	—

19. Siding opened for receipt and dispatch of goods traffic in wagon loads.**Siding opened for Goods traffic during 2013-14.**

Name of the Siding	Serving station	Division	Type of siding	C. O.
M/s. Hindustan Hindustan Petroleum Coration Ltd. siding.	Ennore	Chennai	Private	09

	Remarks
3	Temporarily opened with Ennore as serving station for inward/outward POL traffic in Trainload/wagon load/ wagon load in local and through booking.



XIV. संरक्षा/SAFETY

The Safety Branch of the Railway was created based on the recommendations in the reports of 'Kunzru and Sikri committees' which inquired into certain serious accidents on the Indian Railways. The Safety Branch is essentially a department monitoring the safety performance of various departments and helping them to discharge their safety related functions effectively. The scope and functions of the Safety Department have been defined over the years and basically include the following :—

- (1) To sensitize all the concerned departments about the safety related issues.
- (2) To oversee all safety matters concerning train operations.
- (3) Identify safety susceptibilities and vulnerabilities based on various accidents and incidents occurring in the system.
- (4) To establish an effective response mechanism to handle situations arising out of the accidents.
- (5) To enable the departments to deliver the functions which make the above possible.

ACCIDENT STATISTICS

Trend of Train Accidents

(a) Consequential Accidents

Consequential accidents are train accidents associated with loss of human life or grievous injury, damage to railway property or interruption to rail traffic above the laid down threshold levels. The trend of consequential accidents for the last 5 years is given below :—

2009-10	2010-11	2011-12	2012-13	2013-14
5	6	7	6	5

The trend of the index for the past five years on Southern Railway is as follows :—

2009-10	2010-11	2011-12	2012-13	2013-14
0.077	0.088	0.100	0.080	0.082

The Category-wise break-up of consequential train accidents for the past five years given below :—

Type of accidents	2009-10	2010-11	2011-12	2012-13	2013-14
Collision	1	Nil	1	Nil	Nil
Derailment	..	..	..	..	..
a) At stations	Nil	1	1	1	3
b) In mid-section.	3	2	1	Nil	Nil
LC accidents					
a) Manned	Nil	Nil	Nil	Nil	Nil
b) Unmanned	1	3	4	5	2
Fire in trains	Nil	Nil	Nil	Nil	Nil
Miscellaneous	Nil	Nil	Nil	Nil	Nil
Total	5	6	7	6	5

There was no Collision in 2013-14, No. of Un-manned level crossing accidents was 2 in 2013-14 *vis-a-vis* - 4 in 2012-13.

b. Indicative accidents

The number of indicative accidents during 2013-14 was 5.

The trend of indicative accidents with category-wise break-up for the last 5 years is given below :—

Type of accidents	2009-10	2010-11	2011-12	2012-13	2013-14
Averted collision	Nil	Nil	Nil	1	Nil
Train passing signal at danger.	2	Nil	1	6	5
Breach of block rules.	Nil	1	Nil	Nil	Nil
Total	2	1	1	7	5

SAFETY MEASURES

With the assent on maximizing the usage of existing assets for improving the loading, safety assumes prime importance. Corporate Safety Plan 2003-2013 provided the broad guidelines for improving safety and preventing accidents. Many of the safety measures are arising out of those guidelines.

(A) Railway Safety Review Committee Recommendations

Railway Safety Review Committee set up under the chairmanship of Justice H.R. Khanna, submitted a total of 278 recommendations under Part I and Part II of the report. Out of these, 240 have been accepted fully or partially by the Railway Board. Implementation of the accepted recommendations is in progress and a total of 150 recommendations have already been implemented till March 2012. 66 recommendations are not pertaining to Southern Railway. Implementation of remaining 24 accepted/partially accepted recommendations is at various stages depending upon availability of resources, success of trials, etc.

(B) High Level Committee on Disaster Management System:

A high level committee was constituted in September 2002 to review Disaster management system over Indian Railways and to give recommendations for its strengthening and streamlining. This committee has given 111 recommendations, 4 were deleted by Railway Board. All others have been accepted for implementation. 10 recommendations are not pertaining to Southern Railway. 83 recommendations have been implemented in Southern Railway up to March 2013 and balance recommendations are in various stages of implementation.

(C) Development of Human Resources

In view of the fact that a majority of accidents on Indian Railways have some link to human failure. The Railways are following the twin policy of development of human resources and providing better and fail-safe equipment. Development of human resources is a continuous process on the Railways. Some of the steps taken in this direction are:-

- 1) Initial and refresher training for staff, Training Curricula are reviewed from time-to-time and modern aids are used to give training to the staff. The duration of various courses have also been rationalized.
- 2) Uniform, standard training modules for Induction, Refresher and Promotional Courses for Loco Running Staff have been introduced. Running staff are also given training in Yoga to keep them physically fit and mentally alert in carrying out their sensitive duties.
- 3) Staff connected with train operations are specially screened from time-to-time and those found deficient are given crash courses at the training Centres.

The Zonal Railway Training Institute at Tiruchchirappalli is the major institution for imparting training in train working rules and procedures to all staff concerned with train operations such as Station Masters, Loco Pilots, Guards, etc. Staff requiring technical training in addition to rules and procedures are given training at the Zonal Electrical Traction Training Centre at Avadi, Signal and Tele-communication Training Centre at Podanur, Southern Railway Civil Engineering Training Centre at Tambaram and Diesel Traction Training Centre at Golden Rock. Carriage and Wagon staff get their technical training at STC, Bangalore, now under South Western Railway. In addition to the above, there are six training centres for Group-D staff of Traffic department and five training centres each for C&W, Civil Engineering staff and RPF personnel are trained at RPF Training Centre/Kimber garden, Trichy, JR/RPF Academy, Lucknow.

- 4) To ensure that staff work as per rules and that their knowledge is up to date, a system of on the job counselling is done by nominated Supervisors and Inspectors. Loco Pilots in particular are placed under the charge of Loco Inspectors who act as mentors.
- 5) Programmed as well as special **Safety drives** are launched to educate the staff on specific topics and check their alertness. Special safety drives are normally ordered whenever certain specific lapses are noticed as a result of a major accident to highlight the importance of the issues involved. During the year 2013-2014, Thirty six safety drives were conducted. These include nine special drives ordered by Railway Board.
- 6) Good work done by staff in preventing Accident or other untoward incidents is rewarded through cash awards. Suitable person is selected as "**Man of the Month**". During 2013-14, Eighteen persons were given the "**Man of the Month**" award.
- 7) To improve the knowledge of staff, booklets, folders and pamphlets are printed and distributed to the staff. During 2013-14, sixty three safety posters, twenty eight stickers, twenty four hand bills, ten folders, fourteen booklets, ten pamphlets and six safety bulletins were printed and distributed.

(D) Safety Propaganda

- + Safety propaganda is conducted through media such as TV, Radio and Newspaper appealing to public for proper caution at level crossings, not carrying inflammable articles, not to travel at foot board/roof top, etc.

- + Road users are displayed of safety at Offices etc., outlets of Hind Oil Corporation and through
- + Action is being taken to emphasize the importance of the Motor Vehicle Act provision through public display of short films, TV networks, other areas, gathering, issuing and conducting
- + A Special effort is being made to educate road users about precautions to be taken while crossing the level crossings through mobile users
- + Thiruvananthapuram, Chennai Division and perform street plays to convey safety messages to masses.
- + Advertisement is being carried in daily news papers, public not to carry inflammable articles, not to travel at footboard/roof top, etc. Special drives are done during Deepavali festival season to ensure that passengers do not carry crackers.

(E) Annual Safety Week

With a view to focus various safety related aspects and also to create awareness among staff, an effort to improve safety was observed from 6th March 2014 to 7th March 2014. The following were the highlights:

- + Safety drives at Zonal Railway Training Institute, Tiruchchirappalli focusing on various safety issues were presented by senior officers.
- + Competitions on Safety related topics such as designing, Safety Quiz, Safety Ex-tempore speech were held during the week.
- + Prizes and awards were presented to the winners of various competitions at a victory function.

At divisional level, various safety campaigns are organized to highlight the importance of safety. The activities include street dramas, folk dances, etc., as a medium to take the message to the masses. Trade fairs and other organisations provide another opportunity to have direct contact with the public.

(F) Other Safety Activities

- (i) Fire audit of all buildings and deficiencies noted were rectified at the field level.
- (ii) A Safety calendar for 2014 was printed and distributed to all staff. The details of Programmed Safety Drives to be conducted every month during 2014 are given in the calendar.

ated through inter-action and posters at Village Panchayat distributing hand outs at retail outlets of Hind Petroleum Corporation, Indian Oil Corporation, Bharat Petroleum Corporation of cinema slides.

to educate the road users on strictly following Motor Vehicle Act provision through public display of short films, TV networks, other areas, gathering, issuing and conducting

being made to educate road users about precautions to be taken while crossing the level crossings through mobile users

Thiruvananthapuram, Tiruchchirappalli and Chennai Division have a group of staff trained to perform street plays for carrying the safety messages to masses.

carried in daily news papers, public not to carry inflammable articles, not to travel at footboard/roof top, etc. Special drives are done during Deepavali festival season to ensure that passengers do not carry crackers.

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(iii) Four issues of Quarterly Safety Bulletin "SUJOG" were printed and distributed to all concerned during the year.

(iv) A Gazette extra ordinary was published and distributed to all divisions in connection with prevention of carriage of inflammable articles during Deepavali season.

(v) In order to recognize safety consciousness of the staff and good work done in the field of Safety during 2013-14, 266 selected staff of various categories and disciplines from the divisions as well as Headquarters were awarded with Certificates and cash, as part of the Railway Week Celebrations 2014.

I. (a) Accidents involving Casualties during 2013-14

(Excluding Manned/Unmanned LC accidents)

K-Killed G-Grievous M-Minor

Sl. No.	Details of accidents	Casualty								
		Railway staff			Passenger			Others		
		K	G	M	K	G	M	K	G	M
1	On 10-04-2013 at about 05.45 Hrs., while T. No. 15228 Muzafarpur-Yeswanthpur Down Exp. was running through Chitteri station 10-Coaches derailed and 2 coaches capsized affecting both the Up and Down lines.	Nil	Nil	Nil	Nil	Nil	Nil	1	Nil	Nil
4	On 31-10-2013 at 08-25 hrs. while Train No. Alluva-Ollur/N Goods was leaving Road No. 4 (Loop line) of Tiruchchirappalli Fort Station, 6 BCN/L Wagons (4th to 9th from Train Engine) derailed.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
5	On 10-12-2013 at 16-20 hrs. while T. No. 56847 Down TPJ-PGTN F. Passr. was entering road 5 all wheels of train engine No. WDM 3D 1113/ED and front coach SR GSLR 92737 front two pair of wheels derailed at point No. 136-B.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

(b) Details of Accidents Involving Casualties During 2013-14 Due to Negligence of Road Users—

Sl. No.	Brief Details	Killed	Injured	
			Grievous	Minor
1	On 13-06-2013 at 18-30 hrs. while DRM Spl., was on run between Tiruvennainallur and Parikkal Stations a Tipper Lorry with trespassed at UMLC No. 147. 3 persons travelling in lorry sustained injury subsequently of the three injured, one person succumbed injuries at the hospital at 23-00 hrs.	1	2	Nil
2	On 24-08-2013 at 07-40 hrs. while T. No. 12661 Exp. was on its run from Rajapalayam to Sankarankovil one Tata Ace Van, suddenly trespassed at Unmanned LC No. 470 and was hit by the train.	1	Nil	Nil

II. Accidents Statistics – Details

No. of train accidents classified under principal heads which occurred on this Railway (excluding Workshops) during the year 2012-13 and 2013-14 :—

Sl. No.	Particulars	2012-13	2013-14
1	(a) Collision involving passenger trains	Nil	Nil
	(b) Collision involving other than passenger trains.	Nil	Nil
2	(a) Derailments involving passenger trains.	Nil	2
	(b) Derailments involving other than passenger trains except train wrecking.	1	1
3	Derailments due to train wrecking	Nil	Nil
4	Trains running into road traffic at LCs	5	2
5	Fire in trains	Nil	Nil
	TOTAL ITEMS (1 to 5)	6	5
6	Failure of coupling and draft gear		
	(a) Passenger	Nil	Nil
	(b) Goods	Nil	Nil
	(c) Other failure of Rolling Stock	Nil	Nil
	(d) Other failure of P. Way	Nil	Nil
7	Attempted train wrecking	Nil	Nil
8	Train running over cattle	Nil	Nil
9	Train running over obstruction	Nil	Nil
	TOTAL ITEMS (6 to 9)	Nil	Nil
	GRAND TOTAL (1 to 9)	6	5
10	No. of persons killed :		
	No. of Railway Servants in workshops	Nil	Nil
11	Accidents on the Railway		
	(a) Passengers	4	3
	(b) Railway Staff	1	4
	(c) Other than Passengers & Railway Staff.	9	11
	Total other than Workshop	14	18
12	No. of person injured		
	No. of Railway servants in workshops	67	39
13	Accidents on Railways		
	(a) Passengers	Nil	Nil
	(b) Railway Staff	Nil	Nil
	(c) Other than Passengers & Railway Staff.	5	7
	Total other than workshop	5	7

III. (a) Comparative Figures of Consequential Train Accidents attributed to failure of Human Element for the Last 5 years.

Sl. No.	Category	2009-10	2010-11	2011-12	2012-13	2013-14
1	Collision	1	Nil	1	Nil	Nil
2	Derailment :					
	(a) At stations	Nil	1	1	1	3
3	(b) In mid-section LC accidents	3	2	1	Nil	Nil
	(a) Manned	Nil	Nil	Nil	Nil	Nil
	(b) Unmanned	1	3	4	5	2
4	Fire in trains	Nil	Nil	Nil	Nil	Nil
5	Miscellaneous	Nil	Nil	Nil	Nil	Nil
	Total	5	6	7	6	5

(b) Comparative Figures of Indicative Train Accidents attributed to failure of Human Element for the last 5 years.

Sl. No.	Category	2009-10	2010-11	2011-12	2012-13	2013-14
1	Averted Collision	Nil	Nil	Nil	1	Nil
2	Train Passing at danger.	2	Nil	1	6	5
3	Breach of Block	Nil	1	Nil	Nil	Nil
	Total	2	1	1	7	5

(c) Comparative Figures of Indicative Train Accidents attributed to failure of Human Element for the last 5 years.

Sl. No.	Category	2009-10	2010-11	2011-12	2012-13	2013-14
1	Averted Collision	Nil	Nil	Nil	1	Nil
2	Train Passing at danger.	2	Nil	1	6	5
3	Breach of Block	Nil	1	Nil	Nil	Nil
	Total	2	1	1	7	5

IV. Train Accidents per million train kilometres on Southern Railway Since 1994-

Year	Collision	Derailments	Level crossing accidents	Fire in trains	Misc	Total
1994-95	3	31	27	1	..	62
1995-96	3	35	14	..	..	52
1996-97	..	29	11	..	..	40
1997-98	2	53	10	1	..	66
1998-99	1	50	7	1	..	59
1999-00	3	37	7	1	..	48
2000-01	2	33	7	1	..	43
2001-02	2	23	10	..	..	35
2002-03	1	17	8	..	..	26
2003-04	..	16	6	2	..	24
2004-05	..	2	3	1	2	8
2005-06	..	3	4	1	1	9
2006-07	..	4	11	..	1	16
2007-08	..	4	6	1	1	12
2008-09	1	3	5	0	0	9
2009-10	1	3	1	0	0	5
2010-11	0	3	3	0	0	6
2011-12	1	2	4	0	0	7
2012-13	0	1	5	0	0	6
2013-14	0	3	2	0	0	5

Million Train kms.	Incidence of accidents per million train kms.
60.22	1.029
63.27	0.822
64.20	0.623
65.73	1.004
64.83	0.910
67.07	0.715
68.39	0.628
68.80	0.508
69.75	0.372
59.46	0.403
58.63	0.136
59.79	0.150
60.50	0.240
61.62	0.195
63.63	0.141
65.03	0.077
67.34	0.088
69.68	0.100
70.92	0.084
73.08	0.068

V. Comparative details of Inspections, surprise checks, mock drills, etc. on Southern Railway Since 2012-13 to 2013-14

Sl. No.	Details of Inspections	2010-11	2011-12	2012-13	2013-14
1	No. of inspections at station	21,654	23,298	24,301	24,706
2	No. of inspections at Yard	8,514	8,763	8,870	8,902
3	No. of Motor Trolley inspection.. .. .	1,721	1,826	1,890	1,941
4	No. of footplate inspection	25,725	26,351	26,437	27,531
5	No. of station working order checked	4,786	4,795	4,798	4,807
6	No. of surprise check	10,712	11,894	12,206	12,804
7	No. of ambush checks conducted at LC in co-ordination with Civil authorities. ..	5,136	5,682	5,728	5,793
8	No. of Mock drills conducted	16	17	18	24
9	No. of Safety meeting, talks, group discussions ..	4,896	5,426	5,631	5,714
10	No. of Safety Seminars	231	370	448	444

Highlights for the financial year 2013-2014 Pertaining to Traffic Safety

1.0 Safety Rules :

Safety Rules are indispensable for the safe working of trains. Periodical reviews of the existing Rules are being done to keep abreast with the changing circumstances. As part of this exercise Two corrections to GRs (Correction Memos Number 1/2013 dated 27/05/2013, 2/2013 dated 04/06/2013). Three correction memos to the Accident Manual (Correction Memos Number No. 12 dated 08/05/2013, No. 13 dated 17/06/2013) and No. 14 dated 30/07/2013 have been issued.

2.0 Computerization, Updating and Uploading of GRS :

The contents of the GRS were computerized duly incorporating all the Corrections issued hitherto and the same was uploaded in the Operating Department's Website of Southern Railway to serve as a reference to all the Staff of this Railway.

3.0 Training :

Training enhances the knowledge, skill and attitude of staff to suit job needs. Training plays a vital role in promoting human resources for achieving safety and efficiency in operations.

ZRTI/TPJ plays a crucial role in enhancing the efficiency and safety consciousness of staff of Southern Railway and South Western Railway for upgrading Human resources.

3.1 The Training details are as follows :—

S. No.	Name of the course	2012-13		2013-14	
		No. of Courses conducted	No. of Trainees trained	No. of Courses conducted	No. of Trainees trained
1	Initial	36	505	49	1,262
2	Promotional	34	687	23	663
3	Refresher	124	2,369	93	2,259
4	General	72	821	52	779
5	Safety camp	113	2,309	92	2,280
	TOTAL	379	6,691	309*	7,243

Note.—* The reduction in number of courses is due to multiple accounting of courses in the yester years and the systemic change brought about from 01-04-2013 (for e.g. Refresher Course for LP/TTM Operator/Tower Wagon Driver is single course which was being accounted as three different courses)

3.2 Achievements in the Training Area at (ZRTI/TPJ)

- A record number of 49 initial courses were conducted which facilitated training of 1262 trainees in a single year. This has been the best performance in the last three years.
- The institute has contributed to successful induction of the following staff during the current year :—

Assistant Loco Pilots	—	676
Goods Guard	—	141
LP (Goods)	—	369
LP (Goods) to LP (Pass)	—	73
Commercial Clerks	—	152
Ticket Examiner	—	173
- 68 Supervisory staff of Traffic dept. of Chennai Port Trust were trained fetching on additional earnings of Rs. 10.52 Lakhs.
- 15 station staff of Chennai Metro Rail Limited were trained fetching an additional earnings of Rs. 1.12 Lakhs.
- 3 staff of RVNL/SBC were trained fetching an additional earnings of Rs. 2.59 Lakhs.
- Computerization of Library has been done by procuring a "Library Automation Software" at a very minimal cost of Rs. 40,000. This has enabled on line renewal, reservation of books and viewing of entire catalogue over the Intranet.

- g. The training capacity has been increased from 395 to 515 with no extra cost.
- h. One new class room (Room No. 9) with a capacity of 42 seats has been created by converting an Old Toilet and a store room with least cost.
- i. Furniture to the new classroom have been procured for Rs. 1.95 Lakhs on replacement account by charging the expenditure to sanctioned estimate under "upgradation of Training Facilities".
- j. Outsourcing of complete maintenance & house keeping of entire institute premises and five Hostels has been done by engaging 36 private staff against surrender of 15 Group 'D' posts with an annual saving of about Rs. 70.81 Lakhs. This has facilitated round the clock security in the Hostel & Institute premises and better upkeep of living environment.

4.0 Details of Safety
01-04-2013 to

Sl.	
1	Putting Back of be observed as 2013.)
2	Safe operation Instrument (16 MDU, PGT, SA)
3	Precautions to per G & SR 5
4	Precautions t (31-10-2013
5	Prevention of (09-12-2013
6	Prevention of authorizing Lo signal at 'ON' RRI panel (13

es organized by COM from i-2014

Drive details
s-Procedure and precaution to R 3.36 (18-04-2013 - 08-05-
Maintenance of Token Block)13 - 30-05-2013.) (Only for
observed during shunting as -06-2013 - 12-07-2013.)
followed during shunting 1-2013.)
rtcuts during signal failure 1-2014.)
ents/unsafe conditions while pts to pass reception/dispatch revention of wrong operation of)14 - 22-03-2014.)



XV. सुरक्षा व्यवस्था/SECURITY ARRANGEMENTS

I. GENERAL :

RPF/Southern Railway has been constantly performing well in the field of crime control. Crime has been kept well under control due to effective preventive measures taken wherever and whenever warranted.

II. CRIME ON SOUTHERN RAILWAY :

In Southern Railway, crime against passengers and Railway Property is well under control.

III. CRIME AGAINST PASSENGERS :

(a) Pro-Active measures taken by RPF to contain the passenger related offences :

- To enhance the level of security in Railways, Integrated Security System comprising of CCTV Surveillance System, scanning of passenger's baggages/luggages through X-Ray luggage scanner, BDS and Under Vehicle Scanning System (UVSS) at 14 important stations over Southern Railway viz., Chennai Central, Chennai Egmore, Chennai Beach, Basin Bridge, Tambaram, Mambalam, Tiruvallur, Trichy, Madurai, Coimbatore, Trivandrum, Ernakulam, Calicut & Mangalore has been implemented at a total cost of ₹ 39.07 Crores.
- On an average, 210 Mail/Express, Passenger and Sub-urban trains are escorted by 345 RPF staff on daily basis. A part from this, 130 trains Mail/Express and Passenger trains are escorted by 300 GRP staff on daily basis. Almost all the night trains are escorted by RPF/GRP personnel.
- Analysis of crime against passengers is under taken periodically, affected sections/trains identified and corrective measures are taken to contain the passenger related offences.
- RPF staff on access control duties are attending the trains during halt at enroute stations to prevent the entry of unauthorized persons in trains.
- RPF Crime Prevention and Detection Squads and special teams are formed over this Railway to keep surveillance on the criminals to prevent crime in trains.
- Drives against gents travelling in ladies coaches were conducted and the defaulters apprehended prosecuted u/s 162 RA. During the year 2013-14, 1,637 defaulters were apprehended and prosecuted with the realization of fine ₹ 5,31,125/-
- Drives against unauthorized hawking/ vending were conducted and the defaulters apprehended prosecuted u/s 144 RA. During the year 2013-14, 25,013 defaulters were apprehended and prosecuted with the realization of fine ₹ 82,28,120/-
- Joint combing operations were carried out in trains by RPF, GRP and Commercial branch to mop up criminals, unauthorized persons, etc.
- On an average 50 supervisory officials of RPF are conducting surprise checks daily in trains to alert the train escort staff during night hours.
- Special drives were organized against drinking of Alcoholic liquor in trains mainly to prevent crime against women passengers, which resulted in apprehension of 102 male passengers for drunkenness and deterrently dealt them under relevant provisions of Railways Act.
- High profile presence of RPF and GRP is ensured at major station platforms to instill a sense of fear among anti-social elements and sense of confidence among travelling public.
- Staff on train escort duty are travelling in the coaches adjacent to the ladies coach to provide security to the lady passengers and attending the ladies compartment during halt in the mid-section/stations.
- CCTVs are provided at 25 major Railway Stations viz., Chennai Central, Chennai Egmore, Moore Market Complex, Mambalam, Chennai Beach, Basin Bridge, Tiruvallur, Tambaram, Katpadi, Arakkonam, Trichy, Madurai, Tirunelveli, Dindigul, Calicut, Trivandrum Central, Quilon, Ernakulam South, Thrissur, Calicut, Mangalore, Coimbatore, Salem, Erode & Tiruppur Railway stations, to keep watch over the movements of anti-social elements and suspected persons in station premises.

- RPF Dog Squads consisting of sniffer dogs are functioning in all Div important stations of this Railway and these dogs have been frequent checks.
- Frequent announcements are made through PA systems and loud hailer to be more careful while on journey.
- Video coverage of general coaches is done at important and affected among the anti-social elements.
- Small albums containing the photographs of criminals are provided to duties.
- RPF Mitra Yojana meetings are conducted regularly to cull out inform persons in combating crime against passengers.
- Stickers containing "RPF Help Line" telephone numbers viz., Control Room Number 044-25359261, Divisional HQrs. : Chennai 0431-2460454, Madurai 0452-2308042, Salem 0427-2331809, Tirupur 0427-2331809, Tirupattur 0427-2331809, Tirunelveli 0427-2331809, Palakkad 0491-2553636 are pasted in trains and conspicuous places.
- Similarly, GRP/Tamilnadu 099625 00500 and GRP/Kerala 098462 00500 are also pasted in trains and conspicuous places at stations and the same are pasted on the backside of the reservation tickets.

(b) Innovative measures :

- A separate E-mail ID has also been created and displayed at suburban stations for the grievances of women commuters.
- Gender Sensitization programmes/seminars were organized with the field level Rly. staff and eminent women faculties to sensitize and to take the hassle free journey of women passengers.
- Passenger Awareness programs are conducted outside Railway area: bus stands, cinema theatres, etc.
- Chanting of passenger Awareness slogans through a pre-recorded message at important stations.
- Safe travel tips "Keep Your Valuables in bag/box and lock it with a padlock" was sent to about 30 lakhs Airtel customers by RPF/Southern Railway.
- In order to gauge the level of security system on Railways and to improve the travelling public, a feedback study was undertaken over the Southern Railway to collect information on passengers problems and to take corrective measures.
- 96 night running EMU trains operated between 22.00 hrs. and 06.00 hrs. are escorted by RPF staff by deploying 2 staff in each train in all the suburban sections. This is a new concept towards the security of suburban passengers introduced w.e.f. 07-11-13.

(c) High Level Co-ordination Meeting :

- Regular co-ordination meetings are held with GRP/Local Police at Divisional level to exchange intelligence to combat crime against passengers.
- A High Level Co-ordination meeting** was held on 22/3/13 at Southern Railway HQrs. where the issues related to passenger security were discussed with the

(d) Special squad of Women RPF Personnel :

Special emphasis was given to security of women passengers in general and suburban women commuters in particular. 06 EMU ladies trains and 12 other EMU trains are escorted by 'Sakthi Padai' in Chennai Sub-urban area.

at HQrs. and six other stations are deployed for anti-sabotage

monitoring the passengers

in order to create moral fear

RPF staff on train escort

information about the suspected

Divisional HQrs./Zonal Security Control Room Number 044-25353999, Trichy Control Room 099950 40000 & Tirupattur Control Room 0427-2331809.

Helpline numbers are being printed on the

at stations to send the

participation of RPF, GRP, and women in ensuring

at bus stands, educational

message round the clock at

chain to prevent theft" through SMS, AIRTEL.

to give the security to the travelling public to have firsthand experience this was successful.

ladies trains are escorted by 60 RPF staff in Chennai Division.

Divisional HQrs./Divisional/Post Office Southern Railway. Chennai Railway HQrs. and staff of GRP.

suburban women commuters. Women squad called

- To check offences against women passengers, RPF/Southern Railway has formed a special squad at Chennai consisting of women RPF personnel. A women helpline is functioning at BSNL number 044-25353999 This telephone number has been exhibited in all the ladies coaches of important trains & EMU trains for the attention of women commuters.
- Complaint/Suggestion boxes have been kept at all important stations over Chennai Division to enable the passengers especially women passengers to send their complaints/suggestions/grievances, if any, on security related matters for taking necessary action.
- Mobile numbers of women commuters those who travel regularly in EMU trains at various sections were collected and interaction with them by the RPF women staff on duty at Women Help Line is made at frequent intervals to obtain feedback, their opinion, suggestions etc., on security related issues.

(e) Passenger Awareness Programmes Conducted :

Sl. No.	Programme	2012-13	2013-14
1	Skit/Forum Drama conducted	387	178
2	Meeting with Coolies	381	432
3	Feedback Forms obtained	21541	18586
4	Pamphlets Issued	151204	173042
5	Awareness programme out side the Railway premises	427	480
6	Stickers pasted	32147	47091
7	FM Channel	3	4
8	Slides projected in cinema hall	78	80
9	Video coverage of GS coaches	193	412
10	Assistance from NGOs/Scouts etc., utilized	10	47
11	Decoy Check conducted	994	920

(f) Crime against passengers – Comparison of Crime :

Category		2012-13		2013-14	
		Registered	Detected	Registered	Detected
Murder		2	1	4	3
Dacoity		2	2	1	1
Robbery		29	25	30	21
Theft		485	298	538	391
Chains Snatching		80	22	90	19
Drugging..		2	0	6	2
Total		600	348	669	437

- Crime against passengers increased by 10.3% during the year 2013-14.
- Detection % increased by 7.3% during the year 2013 - 14 as compared to 2012-13.

(g) Action taken by RPF against crime on passengers :

- During the year 2013-14, 67 criminals involved in theft of passenger related crime were apprehended by RPF and handed over to concerned GRP for registration of cases.

h) Passenger Facilitation by RPF :

Sl.No.	Details		2
1	Assistance given to injured passenger on Train journey	..	
2	Handing over of runaway children		
3	Securing abandoned baggage's		
4	Seizure of contraband Goods (Narcotic substances, Ganja, Illicit liquid, etc.,).	₹ 16 in 4	

ger sbelongins and other
r to concerned GRP for

	2013-14
	595
	404
	897
rores nces	₹ 46.54 Lakhs in 63 instances

IV. CRIME AGAINST RAILWAY PROPERTY :

Effective preventive measures taken by RPF/Southern Railway to contain and to bring down the incidents of theft/pilferage, resulted in, theft of control. Figures of incidents of theft of Railway Property, both Booked Consignments and Railway Materials are given below :—

ie against Railway Property
ay Property was well under
nents and Railway Materials

(a) Theft of Railway Property :**(i) Booked Consignment – Localised cases :**

Year	No. of cases		Value of property		Remarks		
	Rep.	Det.	Stolen	Recovered	Arrest Made	Less Value	und
2012-13	1	1	3800	3800	01 OS	—	
2013-14	15	8	967118	720368	22 OS	01/7250	

OS – Outsider

	Pending Enquiry/ value
ad	—
50	04/219750

(ii) Railway Material – Localised cases :

Year	No. of cases reported	No. of cases detected	Property stolen	Property recovered	Total amount
2012-13	203	185	2568640	2527317	221
2013-14	271	248	1449623	1158390	331

OS – Outsider & RE – Railway Employee

Other disposal (SLF, MOF, UD).	Pending enquiry/ value
18/41323	—
7/26922	16/94289

(b) Performance under Railway Property (Unlawful Possession) Act, 1966 :

This act provides an effective leverage to control crime against Railway Property. Surveillance is kept over suspects & criminals by RPF personnel of this railway and the offenders are booked under the provisions of this act with seizure of stolen railway property. The performance under this act is as follows:—

Year	No. of cases registered	Value of stolen property recovered	Arrest made	
			OS	RE
2012-13	589	₹ 28,20,143/-	682	6
2013-14	494	₹ 22,62,851/-	602	12

- RP(UP) detection increased by 16.12% during the year 2013-14 as compared to 2012-13.
- Recovery value increased by 19.76% during the year 2013-14 as compared to 2012-13.

V. PERFORMANCE UNDER RAILWAYS ACT, 1989 :

Relentless drives against anti-social elements indulging in illegal sale of reserved rail tickets, cornering of berths/seats, hawking, begging, etc., in stations and trains are conducted by RPF personnel over this railway and the defaulters are prosecuted under the provisions of this act. The results achieved during the year 2013-14 is furnished under :—

Year	No. of cases booked	Fine amount realized
2012-13	107162	₹ 2,72,72,969/-
2013-14	108425	₹ 2,66,51,115/-

- Registration of cases increased by 1.18% during the year 2013-14 as compared to 2012-13.
- Fine realized decreased by 2.28% during the year 2013-14 as compared to 2012-13.

a) Results achieved under Important Railways Act sections during the year 2013-14:

Sl.No.	Offence u/s	No. of persons apprehended	Fine realized
1	Transfer of reserved rail tickets (142) ..	233	₹ 1,02,750/-
2	Unauthorisedly procuring and selling of rail tickets (143) ..	138	₹ 1,65,000/- (96 pending enquiry/ trial).
3	Unauthorized Hawking/Vending (144) ..	25013	₹ 82,20,820/-
4	Alarm Chain Pulling (141) ..	940	₹ 4,81,410/-
5	Footboard travelling (156) ..	11484	Rs.29,30,410/-
6	Gents travelling in ladies coaches (162) ..	1637	₹ 5,31,125/-
7	Smoking (167) ..	8084	₹ 8,17,090/-

VI. RPF ASSISTANCE TO TICKET CHECKING STAFF:

RPF is providing necessary assistance to commercial branch in ticket che details of ticketless travellers apprehended and fine amount realized for the year 20

The following are the & 2013-14 :—

Year	RPF staff deployed	No. of ticketless apprehended
2012 – 13	9135	474620
2013 – 14	7078	373703

Amount of fine realized
5.907 Crores
13.33 Crores

VII. RPF DOG SQUAD:

i) Southern Railway RPF is the pioneer in forming of RPF Dog Squad over Indian Railways. The Southern Railway Dog Squad was formed in the year 1958 on the pattern of Madras State Police. At present, Southern Railway has 12 Kennels with a total strength of 32 dogs consisting of Labrador, Doberman and German Shepard. 65 percent of the existing strength of RPF dogs comprises of sniffer dogs, trained for detection of explosive.

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ii) **Zonal RPF Dog Training Centre** is functioning at Podanur with all equipment for imparting basic training to sniffer and tracker dogs of Indian Railways. This is first of its kind and merits as a significant achievement towards modernization of the Force. So far, 100 Tracker Dogs), of various Zonal Railways were trained in this training centre. 10 dogs are presently undergoing initial training at ZTC/Podanur.

and infrastructure facility for training of dogs of Indian Railways. This is first of its kind on Indian Railways. So far, 100 Tracker Dogs (117 Sniffer and 51 Tracker Dogs) of various Zonal Railways were trained in this training centre. 10 dogs are presently undergoing initial training at ZTC/Podanur.

VIII. MAIN EVENTS DURING THE YEAR 2013 – 14 :

- ❖ On 25,26 & 27-04-2013, the election under **Secret Ballot system** to elect the Unions on Railways was conducted over Southern Railway. RPF in co-ordination with GRP & Local police arranged elaborate bandobust/security arrangements for the election including counting of votes.
- ❖ ADGP/Rlys./Tamilnadu has proposed to hold **monthly/bi-monthly co-ordination meetings** with CSC/S.Rly. to discuss various issues related to passenger security and to solve the issues then and there. On 28.05.13, the first co-ordination meeting was held.
- ❖ Sr. DSC/Chennai has organized a sensitization programme for safeguarding the rights of destitute children for RPF officers with the participation of Smt. Manorama, MD., DCH., DM, Senior Chair person, CWC, President and Project Director, CHES and Smt. Tripurasundari, Program officer, Railway children (NGO), Chennai.
- ❖ On 02-05-2013, a **cleanliness drive** was organized jointly by Railways and RPF/Pallipuram with the participation of RPF and inaugurated by DRM/Trivandrum. During the drive, about 15 km. of railway track and nearby areas between Kazhakkuttam and Trivandrum railway stations were cleaned by the participants.
- ❖ On 26-06-2013, an observance as 'International Day against drug Abuse and illicit trafficking' was organised by Narcotic Control Bureau on the theme "Think Health - Not毒品" which aims to inform the public, particularly young people.
- ❖ On 19-06-2013, a team of Railway Doctors under Sri Anil Thomas, DCH., DM, awareness campaign on **Diabetics & Hypertension** at RPF Training Centre. RPF staff including Trainees had attended and benefited.
- ❖ On 20-06-2013, Supdt. of Police, Thiruvavur District organized an operation 'LA' at Thiruvavur Railway station from 06.00 hrs. and upto 48 hrs. on the pretext of Terrorists Infilt. in which, RPF staff had participated and conducted a special check.
- ❖ RPF/Chennai Division provided elaborate bandobust in co-ordination with C and Local Police to **Science Express Exhibition** Train on Bio-Diversity from 27-07-2013 to 30-07-2013 at Chennai Central Railway station.

recognition to the Trade Unions on Railways was conducted over Southern Railway. RPF in co-ordination with GRP & Local police arranged elaborate bandobust/security arrangements for the election including counting of votes.

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nd Local Police to **Science Express Exhibition** Train on Bio-Diversity from 27-07-2013 to 30-07-2013 at Chennai Central Railway station.

- ❖ On 20-09-2013, Sr. DSC/Chennai organized a **seminar on superannuation benefits** with the Participation of 40 RPF Personnel who are due for superannuation this year. In the Seminar, APO/Chennai presented a power point followed by a brief lecture on various benefits.
- ❖ On 21-09-2013, Sr. DSC/Chennai organized an awareness programme for successful come out in **Tamilnadu Public Service Commission (TNPSC)** Examinations for the benefit of RPF wards.
- ❖ On 18-10-2013 & 20-10-2013, seminar on **Gender Sensitization** for RPF, GRP and Ticket Checking Staff with the participation of women faculties were organized at Chennai, Trichy and Trivandrum.
- ❖ On 26-10-2013, **160 years of Indian Railways** was celebrated at Chennai central with the participation of Railway/RPF Officers, RPF Band party played patriotic songs at New Concourse Hall/Chennai Central Railway station.
- ❖ On 15-11-2013 & 16-11-2013, **Parliamentary Standing Committee** on Railways visited Chennai, oversaw the security arrangements in Chennai Beach-Tambaram sub-urban Section of Chennai Division and held meeting with GM/S. Rly. and other PHODs.
- ❖ On 12-11-2013 & 13-11-2013, **Railway Convention Committee** visited Madurai and held discussion with officers of S. Rly. on pending ongoing projects of the Ministry of Railways and on passengers services and customer care.
- ❖ On 14-11-2013, Diabetes Day was observed by the Medical Department/Trichy Division with the participation of DRM, ADRM/Trichy and CMS/Golden Rock Workshop.
- ❖ On 31-12-2013, Sri T. R. Balu, MP and Chairman, Railway Standing Committee visited Royapuram and Basin Bridge Railway stations and had discussion with GM/S. Rly., AGM/S. Rly. and PHODs **on ongoing Railway projects.**
- ❖ On 27-01-2014, a programme on **stress management** for RPF staff was organized by DSC/TPJ at Auditorium/TC/KG/TPJ. Three members from Brahmma Kumari's Iyakkam/Trichy conducted the programme.
- ❖ A sensitization programme on implementation of child rights in Railways was organized to RPF Staff/ Trichy Division from 29-01-2014 to 31-01-2014 at Trichy and Villupuram by Dr. T. Thiripurasundari, Programme Officer/South, Railway Children, Mumbai with the participation of Divisional level Committee and station level committee.
- ❖ A sensitization programme on **implementation of child rights** in Railways was organized for RPF Staff at Madurai on 05-02-2014 & 06-02-2014, Tirunelveli on 07-02-2014, Salem on 11-02-2014, Erode on 12-02-2014, Coimbatore on 13-02-2014, Katpadi and Jolarpettai Railway stations on 15-02-2014 by Dr. Tirupurasundari, Programme Officer/South of NGO, "Railway Children", Mumbai with the participation of Divisional level Committee, Station Level Committee and Local Child Welfare Committees.
- ❖ "**Attukkal Pongala**" a famous/traditional festival held every year at the temple situated nearby Trivandrum Railway station, was celebrated on 16-02-2014. About 38 Lakhs women devotees gathered around the temple in the radius of 12 kms. including Railway station area to celebrate the festival. Elaborate bandobust arrangements were made by RPF at Trivandrum Railway station in co-ordination with GRP, Local Police & Civil authorities.
- ❖ On 18-02-2014, Sr. DSC/Chennai organized an awareness programme for RPF Staff of Chennai Division in co-ordination with Narcotic Control Bureau/Chennai. Sri Vivekanandan, Intelligence Officer, NCB/Chennai had participated in the programme and explained about the drugs, its origin, classification/identification of various kinds of drugs, various Modus Operandi adopted by the criminals in smuggling the drugs through Railways, etc.

- ❖ On 04-03-2014, Sr. DSC/Chennai has organized a sensitization programme of child rights in Railways with the participation of Division/Station Level (CPC), Dr. T. Thiripurasundari, Programme Officer/South of NGO, "Railway Child Welfare Committees and 130 personnel from RPF, GRP and front line

Chennai on the implementation of Protection Committees "Children", Mumbai, Local Railway Employees.

IX. PARADES CONDUCTED :

- ❖ Independence Day Parade was conducted at HQrs. Office/S.Rly. on 15-08.
- ❖ 29th RPF Raising Day Parade was conducted on 21-09-13.
- ❖ On 21-10-2013, National Smrithi Parade was held by RPF/S. Rly. in remembrance of Paramilitary Forces personnel who laid down their lives at the altar of duty.
- ❖ Republic Day Parade was conducted at HQrs. Office/S.Rly. on 26-01-14. Part in the Republic Day parade at State level held at Chennai Maria B. Stadium respectively.

presence of RPF, Police and

RPF contingent also took part in the Republic Day parade at State level held at Chennai Maria B. Stadium respectively.

X. ACHIEVEMENTS MADE DURING THE YEAR 2013-14 :

(a) IN CRIME DETECTION :

- RPF/Chennai Division arrested red handed 06 criminals involved in theft of cubic meters valued ₹ 1,88,937/- including confiscation of vehicles used for
- On 24-06-2013, an organized criminal gang of 08 members of Uttarpradesh high value consignment from running trains over Indian Rlys. was arrested committing theft of Railway parcels, valued ₹ 40,500/-, in Chennai Ce No. 10/2013.
- RPF/Trivandrum Division detected theft of 06 parcels containing Elastic thread valued ₹ 75,000/- booked under various PWBs which were reported stolen from on 28-08-2013, with the arrest 04 outsiders including 02 receivers.
- On 08-02-2013, RPF Train escorting staff of T. No. 16326 Trivandrum-Ind member RTT criminals while they committing theft of 20 bags of Cardamom, seized SLR of the train, in Gummidipundi RPF Post RP(UP) Cr. No. 19/13

of ballast about 247.332 tonnes for sorting the stolen ballast.

Bihar committing theft of their implements while RPF Post RP(UP) Cr.

printed books, etc., totally valued ₹ 75,000/- from Godown/Trivandrum

exp. busted a gang of 04 members valued ₹ 5.12 lakhs from

(b) In System Improvement :

- Study on working system of Intercommunication in coaches, method of taking On field demonstration of signal equipments was organized with the field staff on the working system in order to effectively deal with such cases.
- On 08-10-13, an **interaction** Session was held with Judicial Officers and R wherein 12 Judicial Magistrates had participated. Organization setup of R their role in Railways were explained.
- Workshop on Handling of Modern Security Gadgets was conducted to Modern Security Gadgets.
- Combing operation were organized in all divisions in co-ordination with GR in order to keep the trains and railway premises free from anti-social elements among rail passengers.
- Security mock drills were conducted to gauge the level of preparedness of agencies.

finger print of the accused, efforts to sensitize the RPF

Officers/ Chennai Division RPF, its functioning and

state staff in handling of

Commercial Branch in still sense of confidence

including various security

- Capsule Course on VIP security was organized for RPF staff with the participation of Supdt. of Police, SSB, CID, Chennai at Special Branch Training School, Chennai.
- On 18-02-14, Sr. DSC/Chennai organized an interaction session with the participation of addl. Director Judicial Academy/Chennai, 23 training Dist. Judges and RPF Officers wherein, organizational set-up of RPF/GRP, its functioning and role in Railways were explained. They also visited CCTV control room, Bomb Detection Squad etc.

c. In Passenger Awareness :

- Passenger awareness programmes with the participation of famous cine artists were also organized by RPF to reach the passengers about dangers of drugging, theft, robbery and snatching of gold ornaments from passenger by criminals.
- Passenger awareness through Hello FM 106.4 and Radio City-FM 91.1 cautioning passengers against chain snatching, theft of baggage, etc.
- Release of passenger awareness on video clipping cautioning the passengers " not to touch unclaimed articles " are telecasted at sub-urban stations over Chennai Division.
- On 17-10-2013, RPF Palghat Division organized an awareness campaign at Mangalore Railway station with the participation of Dy. Commissioner of Police, Mangalore City, Corporator of Mangalore Municipal Corporation and popular South Indian Film Actress Miss. Sanusha. A special programme on safety and security of women passengers in trains and railway stations was broadcasted in Local FM " Radio Mango " on 15-10-2013 covering Kannur, Kasaragod, Wyanad & parts of Coorg District in Karnataka benefiting about 10 lakhs listeners.
- On 23-01-2014, RPF/Trivandrum Division organized a Mega awareness programme on women passenger security with the participation of DRM/Trivandrum, Chairperson/Kerala State Women's Commission, NSS College for Women/Trivandrum and 1500 college girl students. During the programme, 330 Girls Students/ Teaching faculty have been enrolled as RPF Mitras aiming security of women passengers over Railways and Mitra ID cards were issued on the spot.
- As a part of security in MRTS Section, particularly security of women passengers, Sr. DSC/Chennai has organized a security awareness programme on 06-03-2014 at Tata Consultancy Services (TCS), velacherry, the employees of which are daily commuters in MRTS Section. 100 women employees & 50 male employees were participated and benefitted. 22 employees have volunteered to enroll themselves in RPF Mitra Yojana.

d. IN SAFETY HAZARD:

- 980 safety drives were organized at manned/unmanned Level crossings in co-ordination with GRP, Safety Branch and civil authorities in order to avoid loss of human lives and damage to railway property.
- 12661 safety pamphlets and 2231 safety stickers were issued / pasted on the road vehicles. Nukkad dramas were staged at strategic locations sensitizing the road users. Ambush checks were conducted at UMLC and the defaulters were dealt under the provisions of Railways Act for negligently crossing UMLC.
- 3735 fire safety drives were organized. During the drive period, 34 defaulters were apprehended for carrying fire crackers (33 persons) and Gas Cylinder (01 person) in trains and deterrently dealt them under relevant provisions of RA. 110 checks at Parcel Office and in trains were conducted against booking of two wheelers with Petrol in tank and other explosive materials.
- Awareness campaigns against lighting of camphor by lyappa devotees in worshipping Irumudi of lord lyappa in trains/railway stations, were organized in order to prevent fire on trains / premises.

XI. Drive against unauthorized Alarm Chain Pulling affecting punctuality

During the year 2013-14, 2111 instances of Alarm Chain Pulling were reported which were justified as due to commercial/ operational /mechanical / electrical reasons. In 929 unauthorized instances, 940 defaulters were nabbed and prosecuted u/s 174 (a) of RA, realizing a fine of ₹ 4,81,410/- from them. The remaining 36 instances were reported in mid-year 2014-15 where no RPF/GRP pulling, to contain the menace.

XII LC Gate Accidents:

During the year 2013-14, 675 instances of L.C. Gate accidents involving road vehicles were reported over this Railway. In all the incidents, the vehicle drivers were apprehended by RPF and prosecuted u/s 154 & 160 RA, realizing a fine of ₹ 20,82,723/- was also realized from the owners of the vehicles towards the cost of damage to the L.C. Gate components, etc.

XIII Action against defaulters indulging in train hold ups during Rail Roko, etc:

RPF/Southern Railway is taking stern action against the persons indulging in train hold ups during Rail Roko by political parties, trade unions, etc., to maintain the punctuality of trains and u/s 174 (a) of Railways Act duly obtaining complaints from Railway Depot officials. During the year 2013-14, 152 cases were registered u/s 174 (a) Railways Act against the defaulters.

XIV. Action against the menace of begging in trains by eunuchs:

Following the complaints against the menace of begging by eunuchs in trains, special drives were organized over this Railway to eradicate the nuisance created by eunuchs to the travelling public in trains. During the year, 537 eunuchs who indulged in begging in trains were apprehended and prosecuted under relevant section of Railways Act and a fine of ₹ 99,800/- was realized from them.

XV. Action against unauthorized travelling in compartments earmarked for differently abled persons:

Regular drives were organized against unauthorized travelling in compartments earmarked for differently abled persons. During the year 2013-14, 2153 defaulters were apprehended and prosecuted u/s 174 (a) of RA realizing a fine of ₹ 3,85,881/-.

XVI. Sports (Achievements in Sports)

Sl. No.	Event/Team Manager	Venue	Date of conduct	Remarks
1	Boxing & Weight Lifting	Central Railway Stadium, Mumbai	03.09.13 to 05.09.13	G. S. Bhat
2	Athletics	Sec'bad, SCR	25.09.13 to 27.09.13	G. S. Bhat
3	Scientific Aids and Photo & Video	Bhopal	24.10.13 to 25.10.13	A. S. Bhat
4	Volley Ball	Jaipur, NWR	25.11.13 to 29.11.13	V. R. Bhat
5	Shooting	Jhansi/NCR	10.12.13 to 12.12.13	G. S. Bhat
6	Kabadi	Gorakhpur, NER	07.01.14 to 09.01.14	G. S. Bhat
7	Basket Ball	Ratlam	12.01.14 to 13.01.14	G. S. Bhat
8	Computer Awareness	Hajipur	01.02.14 to 05.02.14	G. S. Bhat
9	Dog Squad	Hubli	26.02.14 & 27.02.14	G. S. Bhat

ains:

of which, 1179 instances were reported over this Railway, realizing a fine of ₹ 1,17,90,000/- from the owners of the vehicles towards the cost of damage to the L.C. Gate components, etc.

icles were reported over this Railway, realizing a fine of ₹ 20,82,723/- was also realized from the owners of the vehicles towards the cost of damage to the L.C. Gate components, etc.

political parties, trade

train hold ups during Rail Roko by defaulters are prosecuted u/s 174 (a) of Railways Act during the year 2013-14, 152

s and Railway premises, eunuchs to the travelling public in trains were apprehended and prosecuted under relevant section of Railways Act

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6	Kabadi	Gorakhpur, NER	07.01.14 to 09.01.14	G. S. Bhat
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8	Computer Awareness	Hajipur	01.02.14 to 05.02.14	G. S. Bhat
9	Dog Squad	Hubli	26.02.14 & 27.02.14	G. S. Bhat

XVII. Bomb threat:

During the year 2013-14, 13 anonymous bomb threat calls in trains/premises were received and promptly attended by RPF in co-ordination with GRP/Local Police and all the calls turned to be a hoax.

XVIII. Special Bandobust to VVIPs/VIPs:

During the year, on 68 occasions during the travel/visit of VVIPs/VIPs like Governors, Hon'ble Chief Minister, Union Ministers, MOSRs, Parliamentary Committee, etc., on the Railways, RPF/Southern Railway provided elaborate bandobust arrangements in co-ordination with GRP/Local Police.

XIX. Meritorious Service by the Officers of RPF/Southern Railway:

The following RPF Personnel have been bestowed with coveted Police Medal for their meritorious service on the occasion of Independence Day 2013.

1. Sri A.Sridhar, Inspector/TC/KG/TPJ.
2. Sri G.Yuvaraj, Inspector/ Chennai Egmore.
3. Sri B.Karthikeyan, Head Constable/CIB/Hqrs./MMC.

XX. Eviction:

During the year 2013-14, on 02 occasions RPF/S.Rly. rendered assistance to the Engineering branch in evicting 28 unauthorised encroachments from the Railway land in co-ordination with Local Police/GRP.

XXI. WELFARE:

- a) Handicraft centre with sufficient number of sewing and membership strength of 25 RPF spouse/wards is functioning at Perambur.
- b) Various welfare measures for RPF staf like blood donation camps, Eye donation camp, HIV awareness were organized by all divisions.
- c) Various seminars like stress Management, attitudinal changes on good habit and rug abusive were organized to sensitize RPF post.
- d) A seminar on superannuation benefits was arranged for the benefits of RPF staff those are due for superannuation in this year.
- e) 120 wards of Security Branch staf who are pursuing Professional Degree courses are granted with scholarship of ₹ 2400/- each and to girl children of-employee has been arranged to one Group-D employee from CSBF.
- f) 03 wards of Security Branch staff were granted financial assistance towards training for development of occupational skills for physically/medically challenged wards. Medical assistance from CSBF for 01 case and from SBF 08 cases has been considered and granted. Merit scholarship have been arranged for 60 wards of RPF/Ministerial staff of this branch from SBF.
- g) Compassionate ground appointment were arranged for 16 wards of RPF/RPSF staff.
- h) Alternative appointment for medically decategorized were arranged for 65 RPF staff.

XXII. RSKN:

Sl. No.	Type of payment	No. of cases	Ambunt (₹)
1	Ex-gratia lumpsum grant	15	14,10,000
2	Funeral Assistance to the family of deceased employee ..	15	1,50,000
3	Settlement on Retirement	147	8,82,000

XXIII. TRAINING:

The RPF Training Centre, Trichy is only the training centre for the Security Railway and caters to the need of ICF and S.W.Rly. also. The normal capacity of trainees at any time of the day. The following staffs of different ranks from Constable the year 2013-14 of various courses.

- | | | |
|-----------------------|---|-------------|
| 1. RPF/TC/KG/TPJ | - | 2425 |
| 2. JR/RPF Academy/LKO | - | 22 IPFs/SIs |

XXIV. Grant of Money Reward

Sl. No.	Details	Amount ₹
1	Sanctioned by Railway Board	73,200
2	Sanctioned by GM/AGM & ADGM/S.Rly.	1,29,750
3	Sanctioned by CSC/Dy.CSC & SO to CSC	3,21,400
4	Sanctioned by Sr.DSC/DSCs	1,75,650
	TOTAL ..	7,00,000

XXV. SABOTAGE

- | | | |
|---------|---|----------|
| 2011-11 | - | 05 cases |
| 2012-13 | - | 03 cases |
| 2013-14 | - | Nil |

XXVI. CONCLUSION

RPF/Southern Railway is striving had to ensure that the passengers tr in its jurisdiction.

artment on Southern
aining Centre is 300
s were trained during

ith full sense of security



चौंसठ वर्ष का सार
SIXTY FOUR YEARS
OF
SUMMARY

SOUTHERN RAILWAY

सैठ वर्ष का सार

Details	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56	1956-57	1957-58	1959-60	1960-61	1961-62
Assets—(As on 31st March)											
Capital-at-charge (₹ in crores)	115.28	115.65	113.05	118.50	124.81	133.02	145.15	160.10	181.30	189.40	211.20
Total Investment (₹ in crores)	..	..	..	130.00	139.65	152.57	169.26	190.14	224.62	239.00	262.85
Route Kilometres—Electrified	..	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19
36.08											
Total	9,656.02	9,681.41	9,695.32	9,750.40	9,841.97	9,757.15	9,817.05	9,912.53	9,916.71	9,921.50	9,944.25
Running track Kilometres Electrified	58.39	58.39	58.39	58.39	58.39	58.39	58.39	58.39	58.39	58.39	58.39
Total	9,811.15	9,836.54	9,850.96	9,905.54	9,997.10	9,912.48	9,989.57	10,085.03	10,196.78	10,295.23	10,463.52
Number of Stations	1,234	1,237	1,238	1,243	1,255	1,252	1,262	1,286	1,305	1,315	1,337
Rolling Stock—											
Steam	1,410	1,412	1,430	1,395	1,420	1,419	1,501	1,580	1,662	1,644	1,714
Locomotives Diesel	..	..	..	..	..	..	..	..	..	..	..
Electric	4	4	4	4	4	4	4	4	4	4	4
Passenger carriages	3,020	3,041	3,066	3,219	3,260	3,227	3,403	3,425	3,657	3,724	3,840
Coaching stock Electric Multiple Unit	72	72	72	96	96	96	96	96	96	96	96
Coaches.	..	..	..	..	..	..	..	..	..	..	..
Rail cars	9	9	8	8	18	18	17	22	0	30	30
Other coaching vehicles	997	1,011	1,022	1,033	1,108	1,101	1,178	1,185	1,217	1,212	1,381
Wagons	24,074	24,429	26,839	28,080	28,895	29,054	31,902	33,477	36,165	36,024	37,089
Staff—											
No. of employees (in 1000s.)	139.4	145.0	147.5	152.3	153.5	158.4	158.5	161	163.7	161.6	161.7
Cost of staff (in crores of Rs.)	17.24	18.88	19.00	20.25	20.91	22.87	22.76	25.2	27.14	29.58	30.46
Average cost per employee (in Rs.)	1,240	1,376	1,345	1,351	1,367	1,467	1,436	1,57	1,662	1,823	1,888
For the year—											
Transportation Out-put—Train-kilometres excluding Departmental (in millions)—											
Passenger and proportion of mixed	36.65	37.31	37.38	37.94	39.06	39.42	36.62	39	1.49	39.04	38.85
EMU	..	..	..	..	..	..	..	..	..	..	..
MEMU	..	..	..	..	..	..	..	..	..	..	..
DEMU	..	..	..	..	..	..	..	..	..	..	..
Goods and proportion of mixed	18.64	18.56	18.48	17.96	18.60	19.77	20.52	20	1.19	22.61	22.87
Vehicle and wagon kilometres (excluding departmental and brake-vans) (in millions)—											
Vehicle kilometres	568	581	581	576	591	597	610	616	616	618	644
EMU	..	..	..	..	..	..	..	..	..	..	..
MEMU	..	..	..	..	..	..	..	..	..	..	..
DEMU	..	..	..	..	..	..	..	..	..	..	..
Wagon kilometres	617	617	618	616	644	686	731	789	873	888	925
Volume of Traffic—											
Passenger Traffic—											
No. of passengers originating (in millions)	272	226	216	205	211	217	225	228	237	252	256
Passenger kilometres (in millions)	12,151	11,742	10,887	10,032	11,073	10,696	11,191	10,651	10,862	11,719	12,105
Passenger earnings (in crores of Rs.)	18.25	21.10	18.63	17.44	17.68	18.83	20.11	19.69	20.35	22.06	25.54
Average lead (in kilometres)	44.1	50.1	50.3	48.5	52.2	48.0	49.5	46.2	45.5	46.1	46.8
Average rate per passenger kilometres (in paise)	1.50	1.80	1.71	1.74	1.60	1.76	1.80	1.85	1.87	1.88	2.11
Goods Traffic—											
Tonnes originating (in millions)—											
Revenue earning Traffic	10.9	10.6	8.8	8.8	9.0	9.2	9.4	10.3	10.7	11.8	12.1
Total traffic	11.9	11.3	10.9	11.1	11.4	12.4	13.1	15.0	15.8	16.6	16.1
Net tonne kilometres (in millions)—											
Revenue Earning Traffic	4,840	4,676	4,884	5,003	5,370	5,966	6,204	6,929	7,386	7,755	8,411
Total Traffic	5,313	5,243	5,433	5,530	5,879	6,519	6,956	7,715	8,309	8,733	9,379
Earnings from goods carried excluding wharfage and demurrage charges (in crores of Rs.)	20.7	21.2	19.0	19.6	20.6	23.5	24.9	29.1	31.9	34.0	35.8
Average lead (in kilometres) (Revenue)	343.6	363.7	384.5	389.0	396.1	405.1	396.5	387.5	391.0	400.5	427.1
Average rate per tonne kilometre (in paise)	4.27	4.54	3.89	3.92	3.84	3.94	4.02	4.19	4.32	4.38	4.26
Quantity of fuel consumed by locomotives—											
Coal (in thousand tonnes)	1,378	1,436	1,461	1,461	1,562	1,664	1,839	2,001	2,127	2,187	2,348
Diesel oil (in kilometres)	..	..	..	..	..	..	..	689	822	888	925
Stores purchases (in crores of Rs.)—											
Indigenous	9.22	7.89	8.79	7.27	8.94	9.29	13.78	12.17	11.64	11.04	21.99
Total	12.05	11.93	13.13	11.13	16.57	13.35	23.46	23.22	18.50	20.56	23.75
Operating revenue and expenditure (in crores of Rs.)—											
Revenue—Gross receipts	44.25	46.82	N. A.	N. A.	43.25	47.93	49.98	55.03	58.68	62.82	68.57
Working expenses including depreciation etc. and miscellaneous expenses.	34.54	35.03	N. A.	N. A.	39.19	42.86	45.43	51.31	53.58	56.43	60.48
Net revenue receipts	9.71	11.79	N. A.	N. A.	4.06	5.07	4.55	3.72	5.10	6.39	8.09
Percentage of net revenue receipts to the capital-at-charge and investment from capital fund.	8.43	10.20	N. A.	N. A.	3.25	3.82	3.13	2.15	2.81	3.37	3.83
Operating ratio (per cent)	78.65	74.35	N. A.	N. A.	80.53	90.15	88.20	92.77	89.05	88.77	85.47
Dividend to General Revenues	4.54	4.57	N. A.	N. A.	4.83	4.99	5.04	6.65	7.00	7.31	8.29
Payments to States in lieu of tax on Passenger fares.	..	..	..	..	..	..	..	..	..	..	..
Surplus (+)/Deficit (—)	(+) 5.17	(+) 7.12	N. A.	N. A.	(—) 0.77	(+) 0.08	(—) 0.4	(—) 2.93	(—) 1.99	(—) 0.92	(—) 2.32

SOUTHERN RAILWAY

Details	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83
Assets— (As on 31st March)										
Capital-at-charge (Rs. in crores)	390.82	431.99	474.61	502.58	517.97	530.77	555.32	596.61	635.89	680.58
Total Investment (Rs. in crores)	485.02	529.45	577.37	611.21	625.15	647.40	677.82	728.10	777.77	835.42
Route Kilometres Electrified										
Total ..	166.44	166.44	166.44	166.44	166.44	166.44	255.18	335.18	343.96	385.26
Running track Kilometres Electrified	7,452.32	7,452.32	7,448.73	7,578.73	6,488.76	6,488.76	6,629.24	6,702.53	6,702.53	6,700.80
Total ..	220.66	220.66	220.66	220.66	220.66	220.66	406.08	567.08	572.56	672.82
Number of Stations	8,262.59	8,276.74	8,297.96	8,443.62	7,375.25	7,387.73	7,537.76	7,537.76	7,629.45	7,660.75
Rolling Stock—	1,017	1,016	1,000	1,002	883	881	887	884	882	868
Locomotives										
Steam	943	934	911	916	799	792	761	702	592	382
Diesel	244	267	278	278	191	205	213	228	266	280
Electric	20	20	20	20	20	20	20	20	20	20
Coaching stock	3,777	3,856	3,820	3,727	3,899	3,880	3,879	3,834	3,727	3,669
Electric Multiple Unit	171	171	171	171	171	192	272	348	358	354
Coaches	18	18	18	13	11	11	14	11	7	7
Other coaching vehicles	1,066	1,049	1,029	988	943	928	902	893	845	824
Wagons	34,173	33,863	35,104	30,029	31,723	31,062	31,005	30,032	29,588	28,582
Staff—										
No. of employees (in 1000s)	135.0	136.0	137.7	138.6	124.9	129.5	135.2	136.3	137.6	137.0
Cost of staff (in crores of Rs.)	57.96	73.75	88.40	92.80	91.42	87.99	110.75	128.46	147.84	180.28
Average cost per employee (in Rs.)	4,314	5,450	6,419	6,658	6,528	7,613	8,443	9,515	10,784	13,214
For the year—										
Transportation Out-put—Train-kilometres excluding Departmental (in millions)—										
Passenger and proportion of mixed	30.06	25.20	33.82	35.54	35.59	32.25	32.43	33.72	33.23	35.67
EMU	..	..	..	..	..	..	..	..	..	..
MEMU	..	..	..	..	..	..	..	..	..	..
DEMU	..	..	..	..	..	..	..	..	..	..
Goods and proportion of mixed	16.28	16.24	17.40	18.40	16.15	13.03	12.48	..	13.49	13.00
Vehicle and wagon kilometres (excluding departmental and brake-vans) (in millions)—										
Vehicle kilometres	579	529	642	697	679	631	642	661	689	715
EMU	..	..	..	..	..	..	..	..	..	..
MEMU	..	..	..	..	..	..	..	..	..	..
DEMU	..	..	..	..	..	..	..	..	..	..
Wagon kilometres	805	802	865	913	808	655	646	628	747	709
Volume of Traffic—										
Passenger Traffic—										
No. of passengers originating (in millions)	253	218	267	298	310	331	302	333	346	344
Passenger kilometres (in millions)	11,415	10,700	12,217	14,420	15,448	16,278	16,135	18,128	19,294	20,344
Passenger earnings (in crores of Rs.)	38.4	41.5	49.2	55.4	60.3	62.2	67.2	78.1	96.5	116.2
Average lead (in kilometres)	44.7	48.29	48.80	47.70	49.20	48.5	52.5	53.6	54.9	58.2
Average rate per passenger kilometre (in paise)	3.36	3.88	3.58	3.82	3.88	3.82	4.16	4.31	5.00	6.00
Goods Traffic—										
Tonnes originating (in millions)—										
Revenue earning Traffic	12.9	13.0	13.4	14.2	13.0	11.0	10.9	10.9	12.9	12.2
Total Traffic	13.7	13.8	14.6	15.5	14.0	11.9	11.8	11.8	13.9	13.7
Net tonne kilometres (in millions)—										
Revenue earning traffic	8,726	9,052	9,643	10,237	9,101	7,996	7,761	7,686	9,575	9,093
Total traffic	9,324	9,664	10,323	10,855	9,647	8,386	8,190	8,067	9,846	9,374
Earnings from goods carried excluding wharfrage and demurrage charges (in crores of Rs.)	55.1	67.7	84.7	90.78	83.94	72.46	79.90	84.92	133.72	155.03
Average lead (in kilometres) (Revenue)	433.0	434.0	437.0	428.0	374.0	350.0	342.0	333.0	358.0	376.0
Average rate per tonne kilometre (in paise)	6.31	7.47	8.52	8.87	8.70	8.64	9.76	10.53	13.58	16.54
Quantity of fuel consumed by locomotives—										
Coal (in thousand tonnes)	1,128	1,023	1,214	1,200	1,120	934	892	868	635	474
Diesel oil (in kilolitres)	131,524	133,660	140,010	146,840	125,039	97,747	102,627	106,091	117,688	127,035
Stores purchased (in crores of Rs.)—										
Indigenous	40.0	53.75	70.45	69.15	52.40	49.78	82.14	118.33	136.01	147.51
Total	44.9	62.60	76.11	74.63	53.40	51.28	86.51	124.37	145.98	158.88
Operating revenue and expenditure (in crores of Rs.)—										
Revenue—Gross receipts	106.67	122.67	151.34	165.55	149.15	155.44	172.11	192.03	263.34	310.36
Working expenses including depreciation etc. and miscellaneous expenses	109.58	131.39	160.66	180.49	168.26	176.70	207.81	236.57	305.13	368.16
Net revenue receipts	(-) 2.91	(-) 8.72	(-) 9.32	(-) 14.94	(-) 19.11	(-) 21.26	(-) 35.70	(-) 44.54	(-) 41.79	(-) 59.22
Percentage of net revenue receipts to the capital-at-charge and investment from capital fund	(-) 0.56	(-) 2.0	(-) 2.0	(-) 3.2	(-) 3.7	(-) 4.13	(-) 6.53	(-) 7.44	(-) 6.84	(-) 8.76
Operating ratio (per cent)	102.05	106.04	105.7	109.70	112.8	113.7	120.74	123.19	115.87	118.62
Dividend to General Revenues	17.99	20.20	21.26	22.34	22.60	22.91	22.25	33.57	36.16	41.89
Payments to States in lieu of tax on Passenger fares	..	..	..	..	..	..	..	..	..	..
Surplus (+)/Deficit (-)	(-) 20.90	(-) 28.82	(-) 30.58	(-) 37.28	(-) 41.71	(-) 44.86	(-) 58.51	(-) 78.11	(-) 71.15	(-) 90.31

चौसठ वर्ष का सार

14-85	1985-86	1986-87	1987-88
4.82	848.08	921.29	983.90
14.29	1,055.15	1,157.41	1,257.41
29.01	598.39	598.39	598.39
22.30	6,728.66	6,711.76	6,756.36
30.29	1,102.77	1,137.65	1,138.65
56.18	7,772.47	7,790.45	7,836.05
868	861	862	852
364	358	336	229
308	316	317	325
20	27	41	51
3,766	3,811	3,812	3,793
353	371	371	371
7	10	10	10
809	793	768	746
65,803	26,325	25,885	24,886
139.7	141.3	142.2	142.5
241.01	264.11	325.55	402.1
17,342	18,686	23,021	28,216
33.38	38.02	38.57	39.35
..	..	..	..
..	..	..	..
..	..	..	..
14.12	144.99	15.65	15.58
763	769	800	856
..	..	..	..
..	..	..	..
..	..	..	..
817	817	945	962
279	283	296	307
19,898	20,821	20,952	21,904
141.0	161.61	180.81	194.89
69.7	71.8	..	69.1
7.09	7.76	8.63	8.90
13.2	133.9	13.9	14.2
14.4	15.2	15.3	15.9
11,041	11,829	11,724	11,638
11,327	12,129	11,944	11,932
208.66	240.01	257.36	291.50
390	377	362	341
18.90	20.29	21.95	25.05
426	390	340	262
138.033	144,817	144,996	153,677
162.27	179.97	204.46	230.93
173.23	199.17	222.61	247.77
394.14	464.97	506.18	554.09
490.14	556.06	646.84	716.16
(-) 96.00	(-) 91.09	(-) 123.69	(-) 149.22
(-) 12.40	(-) 11.06	(-) 13.42	(-) 14.99
124.36	119.59	130.08	129.50
46.35	50.90	55.67	61.42
..	..	..	..
(-) 132.81	(-) 135.12	(-) 179.06	(-) 210.64

SIXTY FOUR YEARS OF SUMMARY

1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	2001-02	2002-03	Details
1,075.55	1,195.87	1,320.46	1,423.42	1,796.23	1,844.87	1,869.20	1,831.59	1,780.38	2,177.34	2,555.48	2,965.63	3,375.13	3,773.92	4,142.37	Assets— (As on 31st March)
1,399.56	1,559.58	1,741.93	1,892.06	2,330.42	2,641.17	2,912.38	3,309.55	3,819.04	4,630.81	5,331.98	5,927.01	6,534.54	7,187.95	7,900.54	Capital-at-charge (Rs. in crores)
598.39	649.60	775.56	959.09	959.09	972.56	1,001.7	1,115.80	1,227.74	1,259.29	1,316.04	1,352.05	1,352.05	1,483.91	1,558.56	Route Kilometres Electrified
6,757.76	6,924.04	6,924.04	6,928.26	7,009.00	7,020.55	7,050.97	7,049.47	7,040.49	7,009.51	7,145.88	7,144.03	7,164.83	7,197.13	7,192.88	Total
1,149.01	1,273.77	1,509.34	1,797.23	1,797.23	1,827.42	1,854.62	2,049.76	2,257.61	2,339.12	2,468.35	2,538.23	2,538.23	2,671.63	2,748.92	Running track Kilometres Electrified
7,849.89	8,049.4	8,059.52	8,062.06	8,142.80	8,171.53	8,211.20	8,212.99	8,223.87	8,244.86	8,427.7	8,494.40	8,593.64	8,658.94	8,689.71	Total
845	845	832	831	821	813	802	786	774	772	769 *	757	757	754	752	Number of stations.
171	168	138	117	75	41	10	10	10	10	10	10	10	10	10	Rolling Stock—
346	364	374	388	373	398	421	434	436	487	516	512	527	559	538	Steam
73	102	107	112	127	145	149	150	155	171	184	215	223	212	224	Diesel
3,919	3,958	4,068	4,233	4,452	4,574	4,559	4,632	4,863	5,012	4,869	4,962	5,152	5,264	5,495	Electric
*371	378	389	392	415	418	449	477	512	537	592	595	603	627	603	Passenger carriages
4	4	4	4	4	4	4	4	2	..	2 *	2	2	2	2	Electric Multiple Unit coaches.
696	641	610	573	535	523	505	519	531	544	517 *	* 281	271	273	270	Rail cars
24,334	23,903	24,693	24,402	23,536	21,016	17,956	16,280	15,311	15,629	16,475	15,888	14,732	13,558	13,031	Other coaching vehicles
144.2	146.6	147.0	150.0	149.4	145.8	142.837	140.366	139.300	136.654	136.585	136.463	133.587	130.579	**126.992	Wagons
463.5	513.5	560.1	611.5	684.1	795.39	880.62	993.57 **	1,114.70	1,425.99	1,587.35	1,653.20	1,816.72	1,822.43	1,893.43	Staff—
32,148	35,079	38,150	40,826	45,886	550.97	616.17	70,784 **	80,075	1,04,435	1,16,397	1,21,214	1,360.72	1,39,636	1,49,003	No. of employees (in 1000s)
40.13	40.77	41.09	41.10	41.92	42.00	45.42	48.19	48.64	50.18	50.34	51.60	52.50	53.80	55.41	Cost of staff (in crores of Rs.)
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Average cost per employee (in Rs.)
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	For the year—
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Transportation Output—Train kilometres excluding depot. mental (in millions)—
16.25	16.04	16.86	16.61	17.30	15.63	14.35	14.52	14.97	14.90	14.85	14.99	14.31	13.89	..	Passenger and proportion of mixed EMU
876	890	902	913	944	954	1,022	1,065	1,073 *	1,133	1,170 *	1,210	1,296	1,373	1,435	MEMU
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	DEMU
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Goods and proportion of mixed Vehicle and wagon K.Ms. (excluding dpt. mental and brake-vans) (in millions)—
1,007	1,018	1,107	1,103	1,146	1,090	1,044	1,077	1,185	1,190	1,132 *	1,250	1,326	1,280	1,289	Vehicle kilometres
282	295	318	332	317	318	349	365	381	417	402	* 423	465	492	466	EMU
22,097	23,637	25,044	27,021	25,017	24,115	27,224	29,880	31,998	35,328	37,298	40,458	44,968	46,725	46,867	MEMU
236.31	244.93	292.84	337.12	387.68	446.96	520.96	595.75	651.28	765.76	843.20	945.15	1,057.15	1,152.47	1,344.63	DEMU
69.5	76.0	77.8	76.2	78.7	76.6	70.31	*75.83	79.5 **	81.4	82.73	92.05	93.24	87.28	96.14	Passenger kilometres (in millions)
10.69	10.36	11.69	12.48	15.50	18.53	*19.14	19.94	20.35	21.68	22.61	23.36	23.51	24.67	28.69	No. of passengers originating (in millions)
16.8	17.3	18.6	19.6	20.7	19.0	19.27	21.02	23.41	27.53	29.34	29.51	30.09	24.88	24.08	Passenger earnings (in crores of Rs.)
18.4	18.8	20.0	20.98	21.97	20.1	20.39	22.20	24.55	29.00	30.95	30.94	32.11	27.27	24.86	Average lead (in kilometres)
11,906	11,998	13,200	13,201	13,622	129,91	12,931	13,864	15,018	15,251	14,629	15,788	16,623	15,506	15,924	Average rate per passenger, K.M. (in paise)
12,200	12,282	13,467	13,467	13,857	131,58	13,091	14,026	15,141	15,407	14,763	15,921	16,791	15,725	16,118	Goods Traffic—
316.50	374.12	439.32	472.16	524.31	602.65	670.69	779.38	884.33	1,065.44	1,068.34	1,159.72	1,287.76	1,210.66	1,256.59	Tonnes originating (in millions)—
346	351	342	353	350	349	331	330	304	303	311	311	312	331	331	Revenue earning traffic
26.58	31.18	33.28	35.77	38.49	46.39	51.87	56.22	58.89	69.86	73.03	73.46	77.47	78.07	78.91	Total traffic
212	205	177	168	128	40	15.46	2.34	2.19	2.10	2.18	2.16	2.59	1.90	1.74	Net tonne K. M. (in millions)—
162,219	171,611	179,309	177,546	179,265	161,865	170,530 *	178,816 *	178,665 *	181,125	1,97,668	2,17,566	2,19,143	2,26,870	2,32,602	Revenue earning traffic
307.55	347.46	427.42	457.63	587.05	480.06	456.31	498.43	696.56	1,024.92	920.15	766.61	992.02	*934.29	1,246.79	Total traffic
324.63	391.39	454.57	476.18	617.49	505.13	493.35	507.23	719.08	1,040.55	972.00	*779.59	1,019.24	*958.58	1,260.63	Earnings from goods carried excluding wharfage and demurrage charges (in crores of Rs.)
632.70	710.24	822.58	918.02	1,007.91	1,193.62	1,327.35	1,546.09	1,699.87	2,022.29	2,104.80	2,336.43	2,603.34	2,607.15	2,854.45	Average lead (in kilometres)
766.79	879.77	976.21	1,081.45	1,220.57	1,313.76	1,447.90	1,627.72	1,821.09	2,241.30	2,423.34	*2,679.55	3,140.57	3,251.10	3,398.97	Average rate per tonne kilometre (in paise)
(-)118.22	(-)150.00	(-)125.60	(-)127.78	(-)169.05	(-)66.31	(-)63.93	(-)31.24	(-)70.47	(-)161.45	(-)243.00	(-)249.87	(-)437.06	(-)630.86	(-)485.51	Quantity of fuel consumed by locomotives—
(-) 10.99	(-) 12.54	(-) 9.51	(-) 8.98	(-) 9.41	(-) 3.27	(-) 2.81	(-) 1.20	(-) 2.39	(-) 4.54	(-) 5.99	(-) 5.51	(-) 8.81	(-) 11.77	(-) 8.47	Coal (in thousand tonnes)
122.04	124.02	118.63	117.81	117.96	110.60	109.47	105.62	106.98	111.81	114.29	114.74	120.80	124.98	119.15	Diesel oil (in kilolitres)
66.85	71.40	84.50	93.69	113.15	139.66	*145.15	146.31	143.62	142.90	185.71	217.23	248.25	259.83	289.15	Stores purchased (in crores of Rs.)—
(-) 185.07	(-) 221.41	210.11	(-) 221.17	(-) 282.20	(-) 205.97	(-) 209.08	(-) 177.55	(-) 214.09	(-) 304.39	(-) 428.71	(-) 467.10	(-) 685.31	(-) 890.69	(-) 774.66	Indigenous
															Total
															Operating revenue and expenditure (in crores of Rs.)—
															Revenue—Gross receipts
															working expenses including depreciation etc. and miscellaneous expenses.
															Net revenue receipts
															Percentage of net revenue receipts to the capital-at-charge and investment from capital fund.
															Operating ratio (per cent)
															Dividend to General Revenues
															Payments to States in lieu of tax on Passenger fares.
															Surplus (+)/Deficit (—)

* Revised.

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SOUTHERN RAILWAY

चौसठ वर्ष का सार

Details	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Assets—(As on 31st March)										
Capital-at-charge (Rs. in crores)	3,532.81	3,715.46	3,056.06	4,154.34	4,333.30	4,647.65	5,656.53	6,807.94	8,004.45	9,158.53
Total Investment (Rs. in crores)	6,854.27	7,516.98	8,433.90	9,564.02	11,069.18	12,985.77	14,871.47	16,846.30	18,519.30	20,413.60
Route Kilometres Electrified	1,501.88	1,477.02	1,729.23	1,600.22	1,722.90	1,816.36	1,975.31	2,197.90	2,460.15	2,470.85
Total ..	5,234.48	5,209.62	5,209.62	5,159.85	5,169.42	5,145.61	5,098.07	5,102.12	4,993.90	5,078.71
Running track Kilometres Electrified	2,578.01	2,595.20	2,952.73	2,823.72	2,957.41	3,064.91	3,332.08	3,580.26	3,875.86	3,917.22
Total ..	6,628.99	6,678.34	6,717.96	6,686.96	6,707.54	6,718.68	6,759.53	6,789.17	6,714.30	6,835.10
Number of Stations	601	599	597	536	545	552*	566	*597	590	598
Rolling Stock—										
Locomotives										
Steam	10	10	10	10	10	10	10	11	10	11
Diesel	421	421	426	416	393	373	393	384	404	384
Electric	243	223	241	265	279	290	306	333	371	384
Coaching stock										
Passenger carriages	4,283	4,518	4,699	4,897	5,507*	5,562	5,656	4,964	5,182	5,492
Electric Multiple Unit	607	704	618	676	669	677	614	714	719	739
Coaches.										
Rail cars	2	2	2	0	0	0	0	0	0	0
Other coaching vehicles	206	387	464	499	282*	281	385	454	321	341
Wagons	12,405	11,813	11,530	11,064	11,224*	10,653	10,548	10,258	10,078	9,957
Staff—										
No. of employees (in 1000s)	106.844	106.258	104.865	105.177	104.680	102.472	99.329	95,741	94,492	93,801
Cost of staff (in crores of Rs.)	1,835.52	2,055.00	2,147.91	*2,250.82	2,415.74	4,374.27	5,283.43*	*4,647.59	4,993.43	5,592.94
Average cost per employee (in Rs.)	1,71,7081	1,93,645	2,04,896	*2,14,787	2,30,624	4,30,712	5,00,882*	*4,85,434	5,28,450	5,96,231
For the year—										
Transportation Out-put—Train-kilometres excluding Departmental (in millions)—										
Passenger and proportion of mixed	46.99	46.28	47.22	38.42	38.90	39.79	41.64	44.17	45.96	47.51
EMU	..	..	..	..	..	..	..	8.50	8.68	8.71
MEMU	..	..	..	..	..	..	..	1.82	1.98	2.31
DEMU	..	..	..	..	..	..	..	0.61	0.56	0.71
Goods and proportion of mixed	11.71	11.58	11.93	12.23	12.25	12.69	11.97	11.53	11.84	10.71
Vehicle and wagon kilometres (excluding departmental and brake-vans) (in millions)—										
Vehicle kilometres	1,208	1,225	1,280	1,253	1,345	1,404	1,483	1,590	1,690	1,771
EMU	..	..	..	..	..	..	..	79.30	81.43	82.61
MEMU	..	..	..	..	..	..	..	15.67	17.03	20.01
DEMU	..	..	..	..	..	..	..	4.52	3.70	5.11
Wagon kilometres	1,134	1,128	1,159	1,226	1,285	1,566	1,528	1,520	1,542	1,501
Volume of Traffic—										
Passenger Traffic—										
No. of passengers originating (in millions)	418	460	496	565	621	687	690	734	801	831
Passenger kilometres (in millions)	*38,970	43,069	46,609	55,092	57,327	69,391	70,216	74,664	82,512	84,011
Passenger earnings (in crores of Rs.)	1,58.66	1,238.82	1,332.56	1,510.77	1,805.86	2,094.09	2,154.61	2,317.69	2,565.97	2,823.11
Average lead (in kilometres)	88.58	87.61	89.17	93.97	87.89	93.89	95.15	94.70	95.93	96.11
Average rate per passenger kilometre (in paise)	29.73	28.76	28.59	27.42	31.50	30.18	30.69	31.04	31.10	33.11
Goods Traffic—										
Tonnes originating (in millions)—										
Revenue earning Traffic	23.58	22.71	26.94	*31.52	30.03*	33.75	35.73	35.11	39.40	37.11
Total Traffic	24.24	23.19	27.27	*31.31	30.26*	34.32	36.20	35.50	39.73	38.14
Net tonne kilometres (in millions)—										
Revenue earning traffic	13,341	13,931	14,736	14,968	15,116	16,234	16,644	15,748	17,354	17,416
Total traffic	13,596	14,058	14,825	15,008	15,140	16,272	16,673	15,775	17,380	17,414
Earnings from goods carried excluding wharfe and demurrage charges (in crores of Rs.)	1,036.42	1,083.04	1,268.45	1,471.88	1,617.61	1,840.80	1,818.03	1,869.51	2,140.29	2,431.19
Average lead (in kilometres) (Revenue)	283	280	263	234	225	236	362	*254	270	271
Average rate per tonne kilometre (in paise)	77.69	77.74	87.44	98.34	107.01	267.90	109.23	118.72	123.33	139.78
Quantity of fuel consumed by locomotives—										
Coal (in thousand tonnes)	1.86	1.97	1.85	1.74	1.90	1.46	1.51	0.58	0.45	0.02
Diesel oil (in kilolitres)	1,80,078	1,79,191	1,65,225	1,86,260	1,82,379	1,805,77	1,789,53	1,810,60	1,892,51	1,852,29
Stores purchased (in crores of Rs.)—										
Indigenous	974.15	1,260.84	1,638.44	1,790.10	1,901.84	3,003.37	2,872.53*	2,467.66	2,522.92	2,565.39
Total	1,015.49	1,283.20	1,699.65	1,800.81	2,308.19	3,050.84	2,890.88	2,469.21	2,535.74	2,611.49
Operating revenue and expenditure (in crores of Rs.)—										
Revenue—Gross receipts	2,419.39	2,579.34	2,913.06	3,330.81	3,772.04*	4,324.05	4,456.90	4,790.27	5,608.08	6,021.55
Working expenses including depreciation etc. and miscellaneous expenses.	2,879.45	3,123.99	3,334.34	3,522.94	3,968.17*	5,451.02	6,139.53	6,467.85	6,896.68	7,821.04
Net revenue receipts	(-) 400.25	(-) 501.80	(-) 551.27	(-) 244.85	(-) 191.13	(-) 1126.97	(-) 1688.53*	-1,670.60	-1,297.62	-1,800.99
Percentage of net revenue receipts to the capital-at-charge and investment from capital fund.	(-) 8.97	(-) 10.80	(-) 11.06	(-) 4.82	(-) 3.67	(-) 24.25*	(-) 19.05*	-16.30	11.22	-1.64
Operating ratio (per cent)	118.55	120.79	114.46	105.85	105.07	126.06	137.47	135.55	122.58	130.75
Dividend to General Revenues	248.13	231.17	249.47	264.30	294.87	311.54	357.86	321.32	369.12	342.169
Payments to States in lieu of tax on Passenger fares.										
Surplus (+)/Deficit (-)	(-) 348.38	(-) 732.97	(-) 800.74	(-) 509.15	(-) 491.20	(-) 1,447.62	(-) 2,047.39	-1,991.92	(-) 1,666.74	-21.128

* Revised

No. of Staff
(Figures in Thousands)

As on March 2014
Open line : 91
Construction : 2
Total : 93

SIXTY FOUR YEARS OF SUMMARY—concl'd.

													Details	
													Assets—(As on 31st March)	
													Capital-at-charge (Rs. in crores)	
													Total investment (Rs. in crores)	
													Route Kilometres Electrified	
													Total	
													Running track Kilometres Electrified	
													Total	
													Number of stations.	
													Rolling Stock—	
													Steam ..	
													Diesel ..	
													Electric ..	
													Passenger carriages	
													Electric Multiple Unit	
													coaches.	
													Rail cars ..	
													Other coaching vehicles	
													Wagons	
													Staff—	
													No. of employees (in 1000s)	
													Cost of staff (in crores of Rs.)	
													Average cost per employee (in Rs.)	
													For the year—	
													Transportation Output—Train kilometres	
													excluding depot, mental (in millions)—	
													Passenger and proportion of mixed	
													EMU	
													MEMU	
													DEMU	
													Goods and proportion of mixed	
													Vehicle and wagon K.Ms. (excluding	
													dept. mental and brake-vans) (in millions)—	
													Vehicle kilometres	
													EMU	
													MEMU	
													DEMU	
													Wagon kilometres	
													Volume of Traffic—	
													Passenger Traffic—	
													No. of passengers originating (in millions)	
													Passenger kilometres (in millions)	
													Passenger earnings (in crores of Rs.)	
													Average lead (in kilometres)	
													Average rate per passenger, K.M.	
													(in paise)	
													Goods Traffic—	
													Tonnes originating (in millions)—	
													Revenue earning traffic	
													Total traffic	
													Net tonne K.M. (in millions)—	
													Revenue earning traffic	
													Total traffic	
													Earnings from goods carried excluding wharfage	
													and demurrage charges (in crores of Rs.)	
													Average lead (in kilometres)	
													Average rate per tonne kilometre (in paise)	
													Quantity of fuel consumed by locomotives—	
													Coal (in thousand tonnes)	
													Diesel oil (in kilolitres)	
													Stores purchased (in crores of Rs.)—	
													Indigenous	
													Total	
													Operating revenue and	
													expenditure (in crores of Rs.)—	
													Revenue—Gross receipts	
													working expenses including depreciation	
													etc. and miscellaneous expenses.	
													Net revenue receipts	
													Percentage of net revenue receipts to the	
													capital-at-charge and investment from	
													capital fund.	
													Operating ratio (per cent)	
													Dividend to General Revenues	
													Payments to States in lieu of tax on	
													Passenger fares.	
													Surplus (+)/Deficit (—)	

दक्षिण रेलवे/SOUTHERN RAILWAY

सघनता विवरणिका 2013-2014 (बड़ी लाइन)/DENSITY STATEMENT FOR THE YEAR 2013-2014—BROAD GAUGE

Serial No.	Name of the Section	Route of the Section	Whether the Section is Single/Double/Trip	Whether the Section is Electrified	Average Daily No. of Coaching trains run on the Section	Average total Daily No. of Vehicles run on the Section (in terms of 4-wheelers)	Average Daily No. of Goods trains run on the Section	Average Daily total No. of wagons (in terms of 4-wheelers) run on the Section	Net tonnes/Kms. per route 107 per day	Total (14 + 15)	Gross tonne kilometres (including weight of engine and Departmental) for goods including proportion of mixed goods per route kilometre	Gross tonne kilometres (including weight of engine and Departmental) for Coaching and Goods services combined per route kilometre per day	Average net load per Goods train										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
CHENNAI DIVISION																							
1	MAS-GDR	136	D	E	70.288	70.288	1338.828	1338.828	6.482	6.637	309.436	306.677	16224	6459	22682	25312	15427	46746	72058	62173	2503	973	
2	MAS-AJJ	69	D	E	170.175	170.175	2668.870	2668.870	14.627	14.906	766.859	787.716	10008	41900	51908	31706	64291	99923	131629	164215	684	2811	
3	AJJ-JTJ	144	D	E	40.281	40.281	1568.195	1568.195	18.452	18.312	919.808	896.933	6266	49868	56135	32252	75583	45585	77838	121169	340	2723	
4	AJJ-RU	72	D	E	16.637	16.637	442.849	442.849	15.289	14.658	718.508	711.118	36033	19620	55653	57076	40025	13488	70564	53513	2357	1339	
5	MSB-CGL (Incl. in KOK-VM)	59	S	E	77.061	77.060	891.626	891.626	0.000	0.000	0.000	0.000	0	0	0	0	0	42746	42746	42746	0	0	
6	MSB-VLCY EIMU	20	D	E	64.533	64.533	418.841	418.841	0.000	0.000	0.000	0.000	0	0	0	0	0	20089	20089	20089	0	0	
6	VM-KOK	169	S	E	24.557	24.557	937.514	937.514	1.651	2.079	72.318	98.276	2113	5643	7755	4273	8492	27203	31477	35696	1280	2714	
7	CGL-AJJ	63	S	E	9.838	9.838	123.934	123.934	0.012	0.008	0.496	0.343	13	7	20	50	40	4841	4891	4881	1068	905	
PALAKKAD DIVISION																							
1	PTJ-PGT	49	D	E	30.748	30.748	1139.007	1139.007	8.322	7.741	362.555	327.517	9527	15626	25153	21174	26134	33191	54365	59325	1145	2019	
2	PGT-SRR	44	D	E	30.049	30.049	1130.429	1130.429	7.812	8.331	324.497	342.501	8833	15894	24726	19338	26953	32856	52194	59809	1131	1908	
3	SRR-CLT	86	D	NE	25.718	25.718	961.147	961.147	3.739	4.010	153.101	153.096	5293	6152	11444	10517	11433	27800	38317	39233	1416	1534	
4	CLT-CAN	89	D	NE	25.243	25.243	946.448	946.448	3.291	3.765	132.740	135.801	6686	2489	9174	11253	7185	27377	38630	34562	2031	661	
5	CAN-MAQ	131	D	NE	20.916	20.916	788.548	788.548	3.443	3.587	144.700	137.367	7957	1048	9005	12893	5716	22955	35848	28671	2311	292	
6	PGT-PGPN	4	S	NE	3.632	3.632	63.187	63.187	0.000	0.000	0.000	0.000	0	0	0	0	0	2096	2096	2096	0	0	
TRIVANDRUM DIVISION																							
1	SRR-CHTS	620	D	E	36.851	36.851	1422.403	1422.403	5.380	5.962	226.571	251.406	6062	10468	16530	13312	18386	41045	54357	59431	1127	1756	
2	ERS-QLN	115	S	E	24.898	24.898	913.635	913.635	1.336	1.713	52.584	68.097	896	2798	3694	2663	5008	26507	29171	31515	670	1634	
3	QLN-TVC	65	D	E	29.259	29.259	1126.122	1126.122	0.760	1.175	34.373	52.250	412	1853	2265	1576	3550	32497	34073	36047	542	1577	
4	NCJ-TEN	73	S	NE	9.966	9.966	358.885	358.885	0.794	1.129	36.157	50.091	724	1337	2062	1911	2953	10383	12294	14122	619	1339	
5	CAPE-TVC	87	S	NE	12.524	12.524	403.694	403.694	0.532	0.838	24.702	37.863	329	1122	1482	1178	2375	11747	12925	14122	619	1339	
6	ERS-ALLP	57	S	E	16.440	16.440	601.795	601.795	0.720	1.209	30.171	51.436	134	2707	2841	1108	4341	17358	18465	21698	186	2239	
7	ALLP-KYJ	44	S	E	13.722	13.722	485.028	485.028	0.853	1.088	28.333	45.965	163	2450	2613	1073	3906	14032	15104	17937	249	2252	
8	TCR-GUV	23	S	E	6.541	6.541	199.556	199.556	0.000	0.000	0.000	0.000	0	0	0	2	2	5722	5723	5723	0	0	

दक्षिण रेलवे/SOUTHERN RAILWAY

सघनता विवरणिका 2013-2014 (छोटी लाइन)/DENSITY STATEMENT FOR THE YEAR 2013-2014—METRE GAUGE

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Serial No.	Name of the Section	Route Kms. of the Section	Whether the Section Is Single/Double/ Triple	Whether the Section Is Electrified	Average Daily No. of Coaching trains run on the Section		Average total Daily No. of Vehicles (In terms of 4-wheelers) Run on the Section		Average Daily No. of Goods trains run on the Section		Average Daily total No. of wagons (In terms of 4-wheelers) Run on the Section		Net tonne Kms. per route Kms. per day		Total (14 + 15)	Gross tonne kilometres (including weight of engine and Departmental) For goods including proportion of mixed per route kilometre per day		Gross tonne kilometres (including weight of engine and Departmental) For Coaching including proportion of mixed per route kilometre per day		Gross tonne kilometres (including weight of engine and Departmental) for coaching and Goods services combined per route kilometre per day		Average net load per Goods train	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
1	SALEM DIVISION MTP-UAM	46	S	NE	Up. 4.975	Dn. 4.975	Up. 45.828	Dn. 45.828	Up. 0.000	Dn. 0.000	Up. 0.000	Dn. 0.000	Up. 0	Dn. 0	0	Up. 6	Dn. 6	Up. 713	Dn. 713	Up. 719	Dn. 719	Up. 0	Dn. 0

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Note : Route Kilometre as per Annual statistical Statement No. 8 for M. G.
Route Kilometre as per Density Statement for M. G.

46
528.00
46.00

The Difference is due to Inclusion of sections under Gauge conversion Sencottah (SCT)-Punalur(PUU) 49 Kms. Madurai (MDU) Bodinayakanur (BDNK) 90 Kms. Palani (PLNI) to Pollachi (POY) 62 Kms., Tiruturaiipoondi(TTP)-Agastyampalli(AGX)37 Kms., Pudukottai (PKT)-Karaikkudi (KKDI) 71 kms.Pudukottaii (PKT)Tiruturaiipoondi (TTP) Tiruturaiipoondi (TTP) . Thiruvavar 26 kms. Pollachi(POY)-Pallakkad Town (PGTN) 58Kms. Kinattukkadavu (CNV)- Pollachi(POY) 23 Kms., Podanur (PTJ)-Kinattukkadavu (CNV) 17 Kms., Totaling 483 Kms. and rounding OFF.

दक्षिण रेलवे/SOUTHERN RAILWAY

वर्ष 2013-2014 के लिए प्रमुख मार्ग एवं अन्य सड़कों का घनत्व विवरण/

DENSITY STATEMENT FOR ARTERIAL ROUTES AND OTHER ROUTES FOR THE YEAR—2013-2014

(Figures in Thousands)

Routes	NTKM				GTKM			
	Up	Down	Goods		Coaching		Combined	
			Up	Down	Up	Down	Up	Down
BROAD GAUGE								
Arterial	51,25,591	1,09,47,674	1,21,28,236	1,80,72,463	2,37,69,730	2,37,69,730	3,58,97,966	4,18,42,193
Others	5,21,544	6,52,225	10,88,740	10,96,788	49,29,728	49,29,728	60,18,468	60,26,516
Total	56,47,135	1,15,99,899	1,32,16,976	1,91,69,251	2,86,99,456	2,86,99,458	4,19,16,434	4,78,68,709
METRE GAUGE								
Arterial	0	0	0	0	0	0	0	0
Others	0	0	54	54	5,244	5,244	5,298	5,298
Total	0	0	54	54	5,244	5,244	5,298	5,298