

General Manager's ANNUAL REPORT

2009—2010

SOUTHERN RAILWAY

**Headquarters Office,
General Branch,
Chennai-600 003.**

June 2011
Jyaishta 1933

**The Secretary (Stat.),
Railway Board,
New Delhi.**

**I forward herewith my report on the working of the Southern Railway System for the year ended
31st March 2010.**



(DEEPAK KRISHAN)
General Manager

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GLOSSARY OF TERMS

Readers may find the following definitions of various terms helpful in reading the 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 net.

WORKING EXPENSES

True expenses in an accounting period irrespective of whether amounts have been disbursed or not. They comprise of Ordinary Working Expenses, Appropriation to Depreciation Reserve Fund and Pension 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 ballast train on open lines for Railway constructions, project authorities, stock owned or hired by them for Independent Railway Project work.

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
HIGHLIGHTS OF OPERATIONS

Particulars	Units	2009-10	2008-09
Financial Position —			
Capital-at-Charge	Rs. in Crores	5656.53	4647.65
Capital Fund	Rs. in Crores	3211.13	929.46
Gross Earnings	Rs. in Crores	4456.90	4324.05
Working expenses (excluding suspense)	Rs. in Crores	4797.27	4061.25
Net Earnings	Rs. in Crores	-1689.53	-1136.08*
Operating Ratio	Percentage	137.47	126.06
Percentage of Net Earnings to Capital-at-charge and investment from Capital Fund.	Percentage	-19.05	-20.2
Passenger Statistics —			
No. of Passengers Originating	In Millions	690	687
No. of Passengers Carried	In Millions	738	739
Passenger Kilometres	In Millions	70216	69391
Earnings from Passenger Carried	Rs. In Crore	2154.61	2073.49*
Average Earning per Passenger Kilometre	In Paise	30.69	29.88*
Average length of Passenger journey	Kilometre	95.15	94.08*
Freight Statistics —			
Freight Tonnes Originating	In Millions	35.73	33.75
Freight Tonnes Carried	In Millions	69.68	68.71
Freight Tonne Kilometres	Kilometre	16644	16234
Earnings from Goods Carried	Rs. in Crore	1818.03	1840.80
Average Earning per Freight Tonne Kilometre	Paise	109.23	267.90
Average Lead of Tonne of Goods (Revenue)	Kilometre	239	236
Train Statistics —			
Train Kilometres incl. Departmental Kilometres (in thousands)	Kilometre	64900	63510
Gross Earnings per Train Kilometre	Rs.	686.73	680.85
Working Expenses per Train Kilometre	Rs.	739.18	639.47
Net Earnings per Train Kilometre	Rs.	-26.03	-17.74
Staff —			
No. of Staff as on 31st March	Number	99329	102472
Cost of Staff	Rs. In Crores	5053.79	4374.27
Station and Route Kilometrage —			
No. of Stations as on 31st March	Number	566	552*
Route Kilometres as on 31st March	Kilometre	5098.07	5145.61

* Revised

GENERAL REVIEW

General Economic Condition of the Zone

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

Tamil Nadu Industrial Development Corporation Limited

Sl. No.	Industrial Projects	Nos.	Enclosures	
1.	No. of Projects completed and Commissioned during 2009-2010.	Nil	....	12. AEZ for Cashew in Cuddalore Dist.
2.	No. of Projects under implementation	22	List enclosed as Annexure	13. GMR-Krishnagiri SEZ
3.	Details of State Owned managed industries.	NIL	....	14. Ennore SEZ, Chennai
				15. Rakindo Kovai Township, Kovai
				16. AEZ for Flowers at Nilgiris District
				17. Integrated Grape Processing Unit at Nilakottai, Dindigul Dist.
				18. Integrated Cold Chain Facility at Thirumullaivoyal, Tiruvallur District.
				19. Medical Village Project, Gummidipoondi Taluk, Trivallur Dist.
				20. ETA Township, Sriperumbudur
				21. Financial City & Media Entertainment Park, Chennai
				22. Aerospace Park, Sriperambudur

I. Projects completed during 2009-2010 Nil

II. Projects under implementation

- GVK Peramballur SEZ in Trichy Dist.
- TIDEL Park II-DLF Info Park Developers (Chennai) Ltd., Chennai
- IT Corridor Project (Rajiv Gandhi Salai), Chennai
- Coimbatore IT Park (TIDEL Park Coimbatore)
- AMRL-Nanguneri SEZ in Tirunelveli District
- Corridor Development Plan for Chennai—Manali Region, Chennai
- TIDEL III TRIL Info Park, Chennai
- TICEL II-Expansion, Chennai
- Bio IT Park, Chennai
- Shipyards-Cum-Minor Port Complex, Chennai
- Virudhunagar SEZ

Sl. No.	District	Area in Hectares	Production in Tonnes
1.	Paddy	2,34,265	(Rice) 5,90,241
2.	Pulses	3,903	2,959
3.	Ground nut	1,733	1,282
4.	Sesamam	576	309
5.	Cocunut	7,87,769	(Million Nuts) 5802
6.	Dry Chillies	..	..
7.	Sugar Cane	3,392	27,548
8.	Tobacco	30.0	63.0
9.	Cotton	1,152	(bales) 1,498
10.	Cholam	..	..
11.	Ragi	608	492

		2008-09		2009-10 (As per Advance estimate)	
Sl. No.	Crop	Area (L. ha.)	Production (L.T.)	Area (L. ha.)	Production (L.T.)
1	Paddy	19.32	51.83 (interms of Rice)	19.35	60.24 (interms of Rice)
			77.36 (interms of Paddy)		89.91 (interms of Paddy)
2	Cholam	2.59	2.13	3.32	3.51
3	Cumbu	0.57	0.84	0.54	0.95
4	Ragi	0.90	1.70	1.18	2.44
5	Pulses	5.36	1.67	6.83	2.73
6	Groundnut	4.90	9.75	4.14	8.75
7	Oilseeds	5.85	10.43	5.41	9.65
8	Cotton	1.15	1.88*	1.04	1.94*
9	Sugarcane	3.09	327.99*	3.14	318.07**

* Production of Cotton Lakh bales (1 bale = 170 kg. lint)

** Production of Sugarcane in Lakh/Tonnes

Source:—

2008-09 details from Season & Crop Report 2008-09

2009-10 details yet to be finalised by Department of Economics & Statistics, Chennai-600 006. Hence details are furnished as per fourth advance estimate.

2. Railway Kilometrage

The open line Kilometrage as on 31st March 2010 :—

Gauge	Route Kilometrage			Track Kilometrage including sidings kilometrage
	Single line	Double/ Treble/ Quadruple lines	Total	
1. Southern Railway :				
Broad Gauge	2,726.48	1,465.65	4,192.13	7,310.13
Metre Gauge	905.94	0.00	905.94	971.22
Narrow Gauge	0.00	0.00	0.00	0.00
Total	3,632.42	1,465.65	5,098.07	8,281.35

3. General Review of working for the year 2008-2009 and 2009-2010 are as follows :—

	2008-2009	2009-10
Gross Earnings .. (in crores of Rupees).	4,324.05	4,456.90
Working Expenses (excl. Suspense) .. (in crores of Rupees).	4,061.25	4,797.27
Number of passengers carried.. (in millions).	737.55	739.24
Tonnes originating (Revenue) .. (in millions)	33.75	35.73
Tonnes Carried system (in millions).. (Revenue)	68.71	69.68
Freight tonne kms. (Revenue) .. (in millions).	16,234.00	16,644.00
Goods Train kms. (in millions)..	12.89	11.97
Train Engine kms. (Goods and prop.) .. (in millions).	23.56	22.83

4. PLANNING

1.0 EFFICIENCY & PLANNING CELL

1.1 WORK STUDIES/CRASH STUDIES

Conducting Work Studies and Crash Studies and follow up for implementing them is one of the main functions of Planning Branch. These studies are undertaken to improve the efficiency and to achieve economy in different fields of Railways working. Crash Studies are carried out in specific activity centres like stations, sheds, etc., with a view to identify surplus staff and make recommendations for reduction in staff strength.

1.2 During the year, 60 Work Studies were completed. These reports identified 2852 (Group 'C' 1725 & Group 'D' 1127) posts as surplus with a projected savings of ` 69.45 Crores per annum (approx.).

1.3 During the year, 1260 posts (comprising both Group 'C' and Group 'D') were surrendered/redeployed against the target of 1200 posts fixed by Railway Board. The annual financial savings on account of the above surrender/redeployment has resulted in a savings of ` 28.90 Crores per annum (approx.).

1.4 The surplus posts identified and surrendered as a result of the Work Studies were credited to the Bank of Surplus posts.

2.0 SOUTHERN RAILWAY MONTHLY GAZETTE

Efficiency Cell publishes Southern Railway's Monthly Gazette. Results of selections held, retirement of staff, changes in the employees' name, missing of Pass, PTO and Cash Value books are received from all Divisions/Units, compiled and published in the Gazette every month.

3.0 "CORPORATE PLAN - 2009-10" PUBLICATION

A publication titled "Corporate Plan - 2009-10" (fourth quarter) was brought out by this Branch. Divisional workload and operating-cum-efficiency indices, data collection for the award of Pandit Govind Ballabh Pant Shield for the Best Zonal Railway and the assessment for the award of inter-divisional and Departmental shields during Railway Week Celebration at Zonal level were also dealt by Planning Branch.

5. STATISTICAL ORGANISATION

Statistical Organisation is under the administrative control of FA & CAO/Traffic, who is assisted by Dy. CAO/Traffic and an Assistant Statistical Officer.

This Organization is collecting, compiling and furnishing accurate and up-to-date data on various facets of Railways. It is supplied to all levels of management for taking decisions on day-to-day basis, and also for planning strategies to improve efficiency and eliminate wasteful expenditure. The aim is "Efficiency with Economy".

Advance Gross Earnings and Traffic Handled are reported for every 10-day period. Various efficiency results like NTKM per Engine Hour, Percentage of Train Engine Hours to Total Engine Hours, Engine kilometres per Engine day in use etc. are reported every month.

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 also form part of the Budgetary Documents.

A handy booklet - 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 to review, and in decision-making. It helps in manpower planning, asset utilization and to devise marketing strategies for better performance.

A Web page has been created for Statistical Branch and updated regularly to provide latest information at a click of button.

Traffic costing cell —

Traffic Costing Cell of this Railway continued to do—

- Cost Analysis of Coaching Services
- Cost Analysis of the Freight Services
- Study on the Economics of EMU Services
- Analysis of Incremental Cost for Goods services and
- Analysis of the Shunting Engine Hourly Costs.

The reports have been sent to Railway Board for further action and to enable preparation of end result booklets, containing the unit costs of Coaching and Goods services.

A part from preparation of Annual costing reports, Traffic Costing Cell under took special cost studies. they were :

- 1) Cost running special trains.
- 2) A Cost study on the terminal arrangements NCJ
- 3) A study on the cost and savings on EMU services, run in MSB-CGL section.

Data Processing Centre —

Southern Railway Headquarters IT centre is located in the Moore Market Complex, VIIIth floor. The main activities of this office include :

- ❖ Software Development & Maintenance
 - ✦ Cobol PLatform
 - ✦ Oracle Platform
- ❖ Data Base Maintenance
- ❖ Data Processing & Managerial Information Reporting for statutory requirements and decision support.
- ❖ Support for other divisions, production units, workshops and other zones for software application maintenance and data processing for SWR.
- ❖ Network Maintenance for SDT applications (ROLIN) intranet)
- ❖ Technical Clearance for Computerization, Software Licenses, Hardware, etc.
- ❖ AMC for network equipments, Computer hardware like servers, PCs and UPS
- ❖ Controller of Plan Head 17—Computerization (OLWR funds).
- ❖ Computer Learning Centre

The major software applications being maintained in this office include :

- ❖ Financial Management System
 - ✦ Cobol based FMIS system
 - ◆ Consolidated Account Current Revenue & Capital Schedules
 - ✦ Oracle based AFRES system
 - ◆ Internal Check
 - ◆ Expenditure/Establishment suspense
 - ◆ PF, New Pension Scheme, Pension
 - ◆ Traffic Accounting
 - ◆ Fuel Accounting
 - ◆ Books Section
 - Cheques & Scroll Reconciliation
 - Remittance into Banks
 - Cash book I & II
 - ◆ Cash & Pay

❖ General and Workshop Payroll System

- ✦ PRIME—Oracle Based system for payroll generation
 - ◆ Employee information system
 - ◆ Regular Payroll
 - ◆ Administrative Staff
 - ◆ Workshop Shop Employees
 - ◆ Running Staff
 - ◆ Supplementary & Arrears Payments
 - ◆ Settlement Payments
 - ◆ Paycommision Fixation & Arrears Payments
 - ◆ Income Tax & PLB

❖ Freight and Passenger Accounting System

- ✦ Freight accounting system—Oracle
- ✦ Passenger accounting system—Cobol
 - ◆ Testing is being done in oracle with parallel processing.

❖ Operating Statistics (Engine Statistics)

- ✦ Oracle based system

❖ Material Management System

- ✦ Cobol based MGMT. system

Financial Management System

FMS runs in two different software applications

1. AFRES—Advanced Finance and Railway Earnings & Expenditure System

This is an oracle based intergrated 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**—Establishment 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.
 - ✦ **PENSION**—Preparation of pension Payment orders, Settlement of retirement benefirs, Reconciliation, etc.
- ❖ **Traffic Accounts**—Station Master's Balance Sheet for Goods, Coaching and Misc. receipts.

2. FMIS-Financial Management Information System

This is COBOL based software application used for consolidation of Account current processing at Head Quarters level and generation of revenue and capital schedules.

Parallel processing and testing is being done for migration to AFRES.

General and Workshop Payroll Systems**1. PRIME-Payroll and Related Independent Modules-**

This Oracle based software application is in use for

- ❖ Employee Information System
- ❖ Generation of Payroll for administrative, workshop and running staff.
- ❖ Incentive payments for workshop employees
- ❖ Generation of supplementary and arrears bills
 - ✦ Pay commission arrears
 - ✦ MACP arrears
 - ✦ PLB, DA arrears payments
 - ✦ Other arrears bills viz., NDA, OT, etc.
- ❖ IT-projection statement, Form 16, etc.
- ❖ Welfare activities like Loans & Advances disbursement and recovery of principal and interest.
- ❖ Settlement payments-Leave encashment, GIS payment, etc.
- ❖ Linked with AFRES for employee payments.

2. Workshop General Register (WGR) & Labour Summary-

This WGR module is run in COBOL platform for generation of Workshop General Register. The Labour summary module has been successfully migrated to ORACLE.

Efforts are on to migrate WGR application to Oracle based software application.

1. Freight Accounting System-

This Oracle based software application is in use for

- ❖ RR data capturing and internal check.
- ❖ CONCOR data is captured from FOIS system.
- ❖ Generation of MIS reports for traffic accounts and statistical departments.
- ❖ Data sent RITES for apportionment.

2. Passenger Accounting System-

This application is processed in this office for both SR & SWR. COBAL based application is used for

- ❖ Passenger Classification data capturing and internal check.
- ❖ Generation of validity listings and MIS reports for Traffic Accounts.
- ❖ Ticket Indent work order generation.
- ❖ Validation of PRS & UTS data received from PRS section.
- ❖ Summary file generation and data transfer to RITES for apportionment.

Efforts are on for migrating this application to ORACLE based system

Operating Statistics System (OSS)

This is Oracle based software application which caters for automation of Engine Mileage Statistics for generation various MIS reports for Statistical Department.

Material Management System

Material Management system runs in two different platform.

1. MMIS-Material Management Information System

This is an Oracle based system, being in use at COS/PER connecting all depots for online capturing of receipts and issues of stocked items.

2. Material Management System (MMGT)

This is COBAL based system processed in IT center for Stock Register Generation and various MIS reports for Stores department.

Efforts are on for conversion this portion of material management system also to Oracle platform.

Other Activities

- ❖ 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.
 - ✦ FM contract is awarded to external agency for maintenance.
- ❖ Technical Clearance for any proposal for computerization and software and hardware procurement, licensing, etc.
- ❖ Plan Head 17 (Computerization) maintenance for Southern Railway.
 - ✦ In house training for staff from other departments in various software products.

6. Public Grievances Cell

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 2009-10 as compared to those received during 2008-09 are given below:-

Sl. No.	Classification	Number of complaints					
		Opening Balance	Received	Disposed	Balance	Received	Disposed
1.	Behaviour of staff	8	246	252	2	92	92
2.	Lack of Amenities/unsatisfactory maintenance of amenities at stations/trains.	3	283	284	2	306	289
3.	Late running of trains	0	144	144	0	88	88
4.	Coaching—Reservations and other than reservations.	9	601	607	3	396	396
5.	Catering arrangements	0	85	85	0	95	95
6.	Miscellaneous/suggestions.	2	504	499	7	435	434

4. Number of complaints received, disposed of and pending during 2009–10 as compared to the previous year is as follows:-

Year	Opening Balance	Receipt	Total	Disposed	Pending
2008-2009	22	1863	1885	1871	14
2009-2010	14	1439	1453	1435	18

5. During 2009–2010, a total number of 1439 complaints other than suggestions were registered as compared to 1863 complaints in 2008–2009.

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 2009 – March 2010)

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 facets of railway activities, are the basic inputs that keep the public

abreast of day-to-day railway working. During the period, 1223 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 22 display advertisements 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. Indian International Trade Fair from –2009
2. All India Tourist and Trade Fair at Chennai (December 2009 to March 2010)
3. All India Industrial, Agricultural, Educational and Cultural Exhibition at Trichur from April 2009 to May 2010.
4. Chamber of Commerce Trade Fair at Madurai (Dec.2009-Jan.2010)

Besides, the Railway also participated in a number of regional exhibitions conducted by educational institutions and social organisations.

Details of important events from 1.4.2009 to 31.3.2010

Date	Events
10-6-2009	Launching of the revised scheme for Smart Cards by Shri E. Ahamed, Hon'ble Union Minister of State for Railways, at the Chennai Egmore Railway Station.
12-6-2009	Reopening of Angadipuram FCI siding for goods traffic by Shri E. Ahamed, Hon'ble Union Minister of State for Railways at Angadipuram Railway Station.
12-8-2009	Flagging off of Ladies Special EMU services between Tambaram – Chennai Beach, Arakkonam – Chennai Beach & Chennai Beach – Velachery by Shri P. Chidambaram, Hon'ble Union Minister of Home Affairs.
14-8-2009	Flagging off of inaugural special of the extended service of Train No. 2076/2075 – Thiruvananthapuram – Ernakulam Junction Jan Shatabdi Express to Kozhikkode by Shri E. Ahamed, Hon'ble Union Minister of State for Railways at Kozhikkode Railway Station.
21-8-2009	Flagging off of Nilambur Road – Shoranur passenger train by Shri E. Ahamed, Hon'ble Union Minister of State for Railways at Nilambur Road Railway Station.
29-8-2009	Flagging off of Train Nos. 6516/6515 Mangalore – Yesvantpur Tri-weekly express by Shri M. Veerappa Moily, Hon'ble Union Minister for Law and Justice & Shri K.H. Muniyappa, Hon'ble Union Minister of State for Railways at Mangalore Central Railway Station.
10-9-2009	Flagging off of inaugural special of Train No. 6606 Kochuveli – Mangalore Central tri-weekly Express at Thiruvananthapuram Central Station by Shri E. Ahamed, Hon'ble Union Minister of State for Railways.
21-9-2009	Flagging off of Chennai Central – Hazarat Nizamuddin weekly non-stop Durgam Express by Shri P. Chidambaram, Hon'ble Union Minister of Home Affairs, Shri G.K. Vasan, Hon'ble Union Minister of Shipping & Shri D. Napoleon, Hon'ble Union Minister of State for Social Justice and Empowerment.
30-10-2009	Release of New Railway Time Table by Shri E. Ahamed, Hon'ble Union Minister of State for Railways at Southern Railway Headquarters Office.
05-12-2009	Flagging off of inaugural special of Kochuveli – Yesvantpur weekly superfast express by Shri E. Ahamed, Hon'ble Union Minister of State for Railways.
14-12-2009	Flagging off of extended service of Train Nos. 6517/6518 Yesvantpur – Mangalore Central Expresses from Mangalore Central to Kannur by Shri E. Ahamed, Hon'ble Union Minister of State for Railways, at Kannur Railway Station.
22-12-2009	Flagging off of the inaugural specials of Chennai Central – Mangalore Central Express, extended Jammu Tawi – Tirunelveli Express, Tirunelveli – Bilaspur Express and Kanniyakumari – Rameswaram Express by Kalaignar M. Karunanidhi, Hon'ble Chief Minister of Tamil Nadu, Shri Dayanidhi Maran, Hon'ble Union Minister of Textiles & Shri E. Ahamed, Hon'ble Union Minister of State for Railways.

Date	Events
27-12-2009	Flagging off of Ernakulam – Madgaon weekly superfast Express & computerised satellite passenger reservation centre at Munnar by Shri E. Ahamed, Hon'ble Union Minister of State for Railways.
28-12-2009	Flagging off of the inaugural specials of Shoranur – Coimbatore – Shoranur Passenger & Shoranur – Nilambur Road – Shoranur passenger by Shri E. Ahamed, Hon'ble Union Minister of State for Railways at Shoranur Railway Station.
4-1-2010	Flagging off of the extended service of Mangalore – Kochuveli Ernad tri-weekly express upto Nagercoil Junction by Shri E. Ahamed, Hon'ble Union Minister of State for Railways at Kochuveli Railway Station.
11-1-2010	Flagging off of the inaugural special of Mangalore Central – Puducherry Weekly Express by Shri V. Vaithilingam, Hon'ble Chief Minister of Puducherry and Shri E. Ahamed, Hon'ble Union Minister of State for Railways at Mahe Railway Station.
30-1-2010	Dedication of the electrified section of Villupuram – Tiruchchirappalli by Shri E. Ahamed, Hon'ble Union Minister of State for Railways at Tiruchchirappalli Junction Railway Station.
7-3-2010	Flagging off of the inaugural special of Ernakulam – Hazarat Nizamuddin weekly non-stop 'Durgam' Express by Shri E. Ahamed, Hon'ble Union Minister of State for Railways at Ernakulam Junction.
19-3-2010	Awarding of ISO 14001 EMS (Environment Management System) Certificate for Carriage and Wagon Works, Perambur by Shri Praveen Kumar, Member Mechanical, Railway Board, New Delhi.

8. Railway Users' Committee

Various consultative Committee Bodies viz. Zonal Railway Users' Consultative Committee, Divisional Railway Users' Consultative Committees, Suburban Railway Users' Consultative Committee and Station Consultative Committees provide opportunities for Rail Users to interact with the administration. The issues addressed are broadly related to introduction of new trains, new stoppages revision of timings, revision of passenger amenities construction of new lines, gauge conversion works etc.

The Committees 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.

One meeting each of DRUCC/Chennai, Palakkad, and Trivandrum were held during the year 2009-10.

9. Vigilance Organisation

The functions of Vigilance Department mainly falls under four heads viz. complaint investigations, preventive checks, punitive action and vigilance education. Accordingly, the Vigilance department undertakes prompt investigations of authenticated complaints with special emphasis on Presidential & PMO references, CA-iii references, CVC's referred complaints and complaints appearing in the media. Checks are also carried out on serious cases of irregularities, based on source information. A close liaison is maintained with CVC & CBI. A close surveillance is maintained on officials of doubtful integrity and those who are on "Agreed" and "Secret" lists. Regular and surprise

inspections are arranged at sensitive work units which are susceptible to corruption. Awareness about Vigilance is disseminated through Vigilance bulletins, seminar, workshops, lectures, etc.

2 Handling of complaints :

Detailed investigations are undertaken in all cases of genuine complaints. During the year 2009 - 2010, 152 complaints were taken up for investigation.

The total No. of complaints investigated during the year and the results thereof are given below :—

	2009 – 2010		
	Gazetted	Non-gazetted	Total
No. of complaints investigated	46	114	160
No. of major penalty proceedings initiated therefrom.	9	14	23
No. of minor penalty proceedings initiated therefrom	25	65	90

3 Preventive Checks :

Sensitive areas are identified on the basis of the checks conducted and further preventive checks are done especially in areas of mass contact. Special schemes like Tatkal are checked to see whether the existing rules are flouted and whether there is any leakage of revenue. The preventive checks also include raids on the premises of unauthorized travel agents to uncover black marketing of rail tickets.

During the year 2009-2010, 2682 preventive checks were conducted by the Vigilance Organization. Department-wise breakup of checks done is furnished below : —

	No. of checks
Accounts	04
Civil Engineering	80
Electrical Engineering	56
Mechanical Engineering	43
Medical	11
Personnel	18
Security	0
Signal & Telecommunication.. .. .	32
Stores	82
Commercial/Operating	2354
Others	02
Total	2682

A total of 38 "Departmental Test Checks" were conducted over stations, Trains, circulating areas of Major stations etc. during the year 2009-10 to curb down the malpractices.

4 Punitive Action taken during the year 2009 – 2010

The Inquiry Organization functioning under SDGM & CVO has completed 114 Departmental Inquiries during the year 2009 – 2010 and Inquiry Reports were sent to the concerned disciplinary authorities for necessary DAR action.

Penalty	Gazetted	Non-gazetted	Total
MAJOR	5	119	124
MINOR	32	635	667

5 Earnings accrued to the Railway through Vigilance checks during the year 2009–2010 was ₹ 99,14,293/-

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

Sl. No.	Details of earnings	Amount (₹)
1.	Earnings from without ticket passengers	21,79,688
2.	Earnings from transferred tickets ..	3,30,757
3.	Earnings from un-booked luggage/parcels	30,666
4.	Earnings from undercharges realized ..	34,65,180
5.	Earnings from higher travel	60,924
6.	Demurrage wharfage charges realized ..	1,800
7.	Earnings from excess/shortfall in Govt. cash. *	2,421
8.	Other traffic recoveries	3,86,591
9.	Leave Account / Establishment matter ..	20,96,641
10.	Technical recoveries	6,46,601
11.	Amount realized as fine by Court of Law	7,13,024
	Total ..	99,14,293

6. System Improvements suggested by Vigilance :

(1) Recently lot of complaints have been received by this office in connection with allotment of Officers' Rest House in Southern Railway especially in wayside stations. In order to streamline the existing system, following guidelines are suggested :—

- The person seeking accommodation in ORH, should indicate his contact number invariably.
- The officer incharge who allot the ORH may communicate the allotment details to the allotted officer, one day in advance.
- The copy of the allotment order should be made available with caretaker of rest house/room as far as possible.
- Contact Number/Mobile Number of Officer, who allots the room should also be exhibited that all the occupants shall enter in the register provided for the purpose of staying in rest house/room, their name and number of persons staying with them and the date and time of arrival and departure from the rest house/room.

(2) With the intention of improving the quality and service of Bedrolls to upper class passengers, Vigilance suggested a system improvement. Hitherto, the occupancy certificate for the supply of Bedroll in trains was certified by the Batch in-charge ritually without application of mind. The format of the occupancy certified has been redesigned necessitating the Batch-in-charge to commit himself in his own writing about the quality, cleanliness and service of bedrolls. All Commercial and Finance officers of Divisions were advised to ensure this system improvement from July 2009.

(3) As regards to compliance of CVC's directives with reference to uplodging of information on website (Leveraging of technology—RBV No. 25/2006), a comprehensive format has been designed by vigilance and circulated to all PHODs/ DRMs in order to ascertain the compliance on uploading of information.

A part from this, the format also calls for submission of complete details of various activities of the departments, so as to identify and follow up any pending information to be uploaded.

(4) A number of cases were observed by the vigilance wherein the tenderers submit fake/forged/fabricated documents in support of their fulfilling eligibility criteria specified in the tender, thereby resulting in eligible tenderers losing their opportunity of securing contracts. In order to maintain sanctity of tendering system, PHODs/DRMs were asked to evolve suitable mechanism so that genuineness of document of successful tenderer gets verified before award of contract.

(5) As a result of preventive check conducted at a major store depot the following system improvements were suggested :—

- (i) It was noticed that during the consignee inspection of an insulating material, though the physical properties are stipulated in relevant RDSO specification, insulating resistance values alone were tested by the consignee. It was suggested that, during the inspection of such items by the consignee, test for other physical properties mentioned in the relevant RDSO specifications may also be conducted and ensured.
- (ii) It was noticed that a nomenclature amendment advice was received at stocking depot after a lapse of 3 months from the date of issue, and shortly before this, a PO was released for local purchase of the same item to the old description. To avoid such incidents, it was suggested that while advising nomenclature amendment to COS, a copy of the advice may be sent directly to the stocking depot also, so that the depot in-charge can make a note of it and take necessary action.
- (iii) On an item pre-inspected by RITES, it was noticed that the hologram affixed by the inspecting engineer was missing on one sample and only half portion was available on other two samples. Hence the consignee was advised that, the existing instructions for ensuring the availability of hologram affixed by the inspecting engineer on the items carrying defaced/damaged holograms should not be accepted.

(6) A preventive check was conducted on the receipt and acceptance of a safety category item, which was to be supplied with Inspection Certificate issued by RDSO after the inspection of the lot. It was noticed that a firm has supplied a lot that was not pre-inspected by RDSO, along with an inspection certificate pertaining to a different lot. This became possible only because, the Inspection Certificate did not contain the Batch Number or date of manufacture of the item to which it pertains. Incidentally, it was also noticed that the same item was stocked under three different PL numbers. Hence, Vigilance recommended the following system improvements :—

- (i) COS/PER was advised to explore the possibility of merging the stock and dues under all the three different headings pertaining to that item, and to operate it under single heading.

- (ii) A request was sent to Railway Board that, RDSO may be advised to modify the inspection plan for all the safety category items in such a way that the date of manufacture and batch/identification number of the items inspected should be indicated in the inspection certificate.

(7) During a recent check conducted at a field unit it was observed that class I materials were available idle without any usage for more than 6 years. The following system improvements were suggested :—

- (i) the custodian has to carry out periodical check of the stock and report to higher authorities for taking action to avoid piling of further stocks.
- (ii) the field officers have to make random checks periodically.
- (iii) during the stock verification the non-moving items have to be identified and have to be reported to the divisional officers for their further action to maximize the usage or to dispose the piled stocks.

(8) During a check on the works contracts for a modification work on EMU coaches it was observed that the bills were claimed and passed for works done on the coaches without mentioning the details of the coaches. It was suggested as system improvement to mention the details of the coaches in each bill and to ensure the same while passing the bills.

(9) During a recent check conducted at a field unit, it was observed that Railway materials had been given to the contractor by the field supervisors without any approval from competent authority. The branch officer had been advised to evolve a system of ensuring that no Railway materials were to Contractor without approval of competent authority. It has also been advised to have clear documentation for better reconciliation.

(10) During investigation of a complaint regarding some employees getting themselves declared medically unfit in the classification they were declared fit just an year ago, it was noticed that large number of employees were medically de-categorized and kept under super numerary post.

As keeping the employees in super numerary post deprives them of promotional prospects besides exchequer loss, system improvement was suggested for speedy alternative absorption of the medically de-categorized staff. The suggestions made are :

- (i) possibility of freezing the DR quota vacancies in all grades and considering the staff for alternative absorption in a centralized manner.
- (ii) the details of vacancies exist with job profile and job requirement may be given wide publicity in the railnet so that an individual who think fit may apply for the same.

(11) During investigation of a complaint it has come to notice that a railway servant was deputed to work in connection with conduct of examination for selection to apprentice under Apprentice Act, 1961, in which his son took part and passed. Normally in the selections conducted by the Department no declaration is obtained from the persons deputed to the effect that his or her relatives are taking part in the examination as taken in the case of RRB.

Through imposing a condition to the effect that one's service should not be utilized if his/her relative is taking part in the examination may not be practicable, it is desirable is related to him/her or not.

Based on the declaration administration can take a suitable decision such as avoiding the particular person being deputing him/her in a area where he may be able to help his relative who is taking part in the examination.

A system improvement was suggested to obtain declaration from the individuals whose services are proposed to be utilized in conduct of any examination by the department including CG appointment examination to this effect.

(12) During a preventive check conducted on the works contract pertaining to loco auxiliary motors, it was revealed that the estimation of credit value of the released material was not taken objectively. As the credit value for the released material would also form a basis for deciding the award of contract, a system improvement was suggested for taking released material value objectively for award of contract.

(13) During a preventive check conducted at Electrical construction unit, it was revealed during the investigation that the indents were frequently generated without keeping records of the earlier instances of some items at field units. It was also revealed that while issuing the tenders for the procurement, same panel of sources were adopted for the repeated purchases, which resulted in procuring the item at exorbitant rates. It was also revealed that the items, which were procured at higher rates, were procured at much lower rates at other units. And taking the advantage of a slight variation in the specification same items were procured in different rates in the same unit itself, i.e., non-standard specification was taken as advantage for the procurement at different rates. In view of the above, system improvement was suggested for maintaining and updating the indent register at every indenter end, for rotation of panel for tendered items, obtaining budgetary offers only from OEM/their authorised agents/dealers. It was also suggested to standardize the specification of items, which are being procured at various units at varied specifications.

(14) Based on a complaint from Sr. DEN/Co-ordn./MAS, an investigation was taken up on the irregularities in the tender section. The irregularity noticed is that after opening of tender and before entering into the register alterations were made both in words and figures of few items on the subject tender. The following system improvement has been suggested to PCE and FA & CAO for issue of joint procedure order :—

- ❖ The item wise value and the total value of the whole tender to be written by the tenderer himself.
- ❖ The rates may be insisted to be written in capitals/ bold letters, while writing in words. Further the printed rectangular blocks shall be provided in the tender form itself, so that they can fill figures/ words at the respectable locations to avoid ambiguity and to avoid mischief at a later date.
- ❖ Further for filling up for rates or values, tabulations with squares similar to the ones used in bank paying slip forms in the form of currency denomination structure with 1000s, 100s & 10s in separate lines to prevent malpractice at a later date.

(15) As number of complaints were being received from various banks regarding the non-payment of loan by the Railway employees and shifting of their accounts from one bank to another without any regulation, based on the advice given by vigilance to adopt some workable mechanism to prevent such complaints from banks, a joint procedure order was issued by CPO/MAS and FA & CAO on 10th February 2010. As per the JPO, the employees who desire to change their accounts from one bank to another bank for crediting salary should submit their request in the *proforma* devised for this purpose during the JPO i.e. the employees cannot switch their bank accounts without obtaining 'no objection certificate'.

(16) In e-payments—The facility offered to customer to pay the Freight Charges through Electronic mode, the following system improvement are suggested to ensure Railways interest are protected and Accounting procedure for E-Payment put in place :—

The Agreement should be specified for all the agencies involved in the e-payment system duly including the Role and responsibility of CRIS and FA & CAO/T. Joint procedure order need to be issued for the inter departmental activities/ Functions in connection with the e-payment system. e-RRs are to be accounted separately under Paid-To-pay category. If necessary, a change in the Balance Sheet may be made. The credit taken by the station is to be verified station-wise from the reconciled figures from the bank scrolls. Any unrealized amount is to be treated as outstanding. The Bank scrolls should have the details of the origin of transaction i.e. name of the station.

Reconciliation of day-wise station-wise e-collection to be made as mandatory. Credit Limit is the credit amount allowed by the Bank to its Customer. Bank Guarantee Bond is between Railways and the Customer. Both should be treated and accounted separately. Paid invoices can be generated for the available balance only. The stations should have the Transaction details copy from the concerned bank monthly for the dedicated freight account. Block control number method used in the issue of cheques may be implemented in the generation of e-RRs also. The control numbers allotment is to be made by the Traffic Accounts Branch based on request.

(17) In the recent check carried out by Vigilance at one of the divisional Personnel Branches, it was observed that overpayment of Traveling Allowance (TA) was made to five staff (out of nine staff checked) *vis-a-vis* to their claim. The above discrepancies were taken place because the subject TA journals/consolidated TA statement were not put up to accounts branch for pre-vetting before passing the salary bill. Further, Accounts branch also had not conducted any random check on the above bills in the aspect of TA at the time of bill passing. In the light of the above, FA & CAO and CPO/MAS have been informed that, prior to the passing of salary bill, TA journals to be put up for finance vetting.

(18) During a preventive check conducted at an Electronic in-motion weighbridge, it was noticed that proper records do not exist to ensure that the overload-detected cases are advised to the officials concerned. Hence, the following system improvements were suggested :—

- (i) The logbook on weighment should contain signature of the staff on duty at the weigh bridge, which has to be checked and signed by the weigh bridge in-charge on daily basis.
- (ii) A separate register indicating the details of overload statements sent to various destination points have to be maintained with the signature of both the staff on duty and in-charge of weigh bridge.

7. Vigilance Awareness Programmes:

(1) Lectures on the topic of "An Overview on Vigilance" were delivered by Vigilance Officers at Zonal Railway Training Institute, Tiruchchirappalli, to enlighten new recruits (TTE) and senior supervisors.

(2) A lecture on 'Corruption and its ill effects' was delivered by Vigilance officials at Training Institutes in which 60 probationers belonging to commercial, ticket checking and ECRC categories participated.

(3) In accordance with Railway Board's directives, a training program for IOs/POs of SR, SWR, SCR, ICF & RWF/ Bangalore was conducted on 23rd and 24th JULY 2009 at Technical Training Centre, ICF. Thirty-nine CVIs/VIs/ELs from the above Railways and Vigilance officers of Southern Railway participated in the above training program.

Lectures with Power-Point presentation followed by discussion on the following subjects—DAR enquiries, Procedure for conduct of departmental enquiries, Dealing with court cases & CAT injunctions, Composite cases, Procedure for writing of enquiry report/PO brief/role of IO/PO drawing of enquiry proceedings etc., were covered which would be useful for the trainees in their working.

(4) A vigilance seminar was organised for the need of Vigilance Awareness in contract management for all field supervisors of S & T and Electrical departments of Salem divisions.

(5) A Vigilance Seminar was organised for the need of vigilance awareness in local purchase of materials for all stores deoit officers of Southern Railway.

(6) Vigilance Awareness class was taken by Dy. CVO/ Engg. and SRCETC/TBM on 9th September 2009 refresher courses for SE/P. Way and SE/Works.

(7) During the Vigilance Awareness week observed from 3rd November 2009 to 7th November 2009, a seminar was organized at Southern Railway HQ, wherein Shri T. S. Krishnamurthy, former Chief Election Commissioner was the Chief Guest. In addition, a talk on "Achieving human excellence through self vigilance" by Swami Bodhamayananda of Ramakrishna Mission was arranged, which was attended by officers from Division/ Headquarters. In order to ensure that the benefit of such lectures percolate to maximum number of officials, video conferencing facility was arranged during the above lectures and witnessed by all Divisions of Southern Railway. Further more Seminars, Essay competitions, workshops, debates, etc. were organized at all Divisions of Southern Railway, Zonal Training School/Central Training Institutes, etc. on topics related to vigilance/corruption. A skit on Vigilance Awareness was presented by the employees of Headquarters Office.

(8) On 7th January 2010, a Vigilance Awareness Programme was conducted at MDU division for supervisors of S & T and Electrical department on contract management.

(9) In an effort to educate & spread Vigilance Awareness among Railwaymen, a seminar for frontline staff was conducted on 25th January 2010. During the seminar, Shri C. L. Ramakrishnan, former Director/CBI/ACB/Chennai delivered a lecture on the topic "Public Servant—Obligations". A total number of 116 frontline Inspectors, Travel Ticket Collectors, Booking Clerks/Supervisors attended the seminar.

(10) On 28th January 2010, a one day interacting workshop was conducted at MDU, for the benefit of officers of TPJ & MDU divisions. The workshop was attended by branch officers of accounts, electrical, S & T and engineering discipline. The workshop was conducted by Dy. CVO/S, Dy. CVO/E & Dy. CVO/ACts. Dy. FA/Traffic also addressed the participants. Dy. Chief Vigilance Officers enlightened the officers on the vigilance angle while dealing Tenders. The efforts taken by the vigilance were widely appreciated by one and all.

(11) On 23rd February 2010, a lecture on Vigilance Awareness was delivered by Chief Vigilance Inspector/ Engg. as a part of refresher course for JE/Bridges at SRCETC/TBM.

(11) On 23rd March 2010, a seminar was conducted on the topic of handling works contract and preparation of NS indents at Sr. DEE/RS/AVD. A part from supervisors, drawing office staff and clerks dealing with tenders at Sr. DEE/RS/AVD and open line supervisors of Electrical General service also participated in the seminar.

8. Vigilance Publications during 2009 – 10

A Special Vigilance Bulletin was published during Vigilance Awareness Week incorporating important Railway Board's letters, case studies viz. irregularities in the claim, irregularities in contracts and irregularities in accountal and delivery of scrap etc.

In addition, a vigilance bimonthly e-bulletin "Chethna Chingari" was also launched.

10 General Manager's Annual Inspection

General Manager Annual Inspection along with Principal Heads of Department during year April 2009 to March 2010.

Sl. No.	Dated	Division	Station from to	Distance in Kms.	Gauge
1	30-12-2009	PGT	SRR-PTJ	92	BG
2	19-1-2010	SA	TP-ED	137	BG
3	28-1-2010	TVC	ERS-ALLP-KYJ	101	BG
4	17-2-2010	MDU	TPJ-MDU	150	BG
5	9-3-2010	MAS	MAS-RU	135	BG
6	26-3-2010	TPJ	VM-MV-TPJ	242	BG

The above details are furnished in connection with GM's Annual report for the year 2009-10.

II. दक्षिण रेलवे में हिंदी के बढ़ते चरण-एक झांकी /PROGRESS OF HINDI

दक्षिण रेलवे 'ग' क्षेत्र में स्थित है तथा तमिलनाडु, केरल राज्य एवं आंध्र प्रदेश का छोटा सा हिस्सा इसके अंतर्गत आता है। दक्षिण रेलवे का राजभाषा संगठन संघ की राजभाषा नीति के कार्यान्वयन पर सतत प्रयत्नशील है। राजभाषा संगठन हिंदी के प्रचार-प्रसार की विकास यात्रा में अनेक मील पथर स्थापित कर चुका है। भाषाई क्षेत्र में कंप्यूटर क्रांति का पूर्ण लाभ उठाते हुए पत्राचार और कार्यालयीन व्यवहार में विशेष ध्यान दिया जाता है। प्रत्येक विभाग में काम कर रहे हिंदी प्रेमियों और कर्मचारियों की सहायता से हिंदी में कामकाज होने लगा है। समय-समय पर आयोजित तकनीकी गोष्ठी, प्रतियोगिताएं आदि जैसे कार्यक्रमों के कारण दक्षिण रेलवे में सकारात्मक वातावरण पैदा हो गया है। दक्षिण रेलवे में हिंदी की गतिविधियों का विवरण निम्नप्रकार है :

Southern Railway is situated in 'C' region and a part of Tamil- Nadu, Kerala and Andhra Pradesh comes under this Railway. To implement the Official Language policy of the union, the Hindi organisation of Southern Railway is putting on continuous efforts. The Hindi organisation of Southern Railway has established several milestones in the propagation of Hindi. Special attention is given to correspondence and official dealings. The Hindi work in all departments has started with the assistance of the employees who have interest in Hindi. A positive environment has been developed in Southern Railway by conducting technical seminars, competitions from time-to-time. The details of activities of Official language in Southern Railway are as under:

1. भाषा प्रशिक्षण /Language Training

31-12-2009 को समाप्त तिमाही की स्थिति/Position as on 31-12-2009

	अधिकारी/Officer	कर्मचारी/Employee
1. कुल/ Total	1,080	66,244
2. हिंदी में प्रशिक्षित/Trained in Hindi	1,008(93.33%)	45,345 (68.5%)
3. हिंदी प्रशिक्षण के लिए शेष / Yet to be trained in Hindi	72	20,899

प्रशिक्षण में तेजी लाने के लिए अपनाई गई नूतन युक्तियाँ /To speed up training in Hindi, new devices have been adopted

- ◆ लीला प्रबोध, लीला प्रवीण माध्यम से प्रशिक्षण दिलाना/ imparting training through Lila Prabodh, Lila Praveen
- ◆ ऐसे कर्मचारियों के लिए जिनकी लिखने पढ़ने का स्तर काफी कम है, दृश्य-श्रव्य साधनों के जरिए फास्ट ट्रैक मॉड्यूल द्वारा प्रशिक्षण दिलाना / to those employees where the writing work is very less, training is imparted through audio-video devices like Fast Track module.
- ◆ भित्ती चित्र के माध्यम कर्मशाला में कार्यरत कारीगरों के लिए हिंदी के प्रति जागरूकता उत्पन्न करना /Through wall paintings, awareness among the skilled employees in workshops in Hindi is created.

2. टंकण एवं आशुलिपि प्रशिक्षण/ Training in Typewriting & Stenography

31-12-2009 को समाप्त तिमाही की स्थिति/Position as on 31-12-2009

	अधिकारी/Officer	कर्मचारी/Employee
1. कुल/ Total	1,080	310
2. हिंदी में प्रशिक्षित/Trained in Hindi	213 (61.56%)	113 (36.45%)
3. हिंदी प्रशिक्षण के लिए शेष / Yet to be trained in Hindi.	133	197

3. हिंदी में काम/ Work in Hindi

कुल 719 अधिकारी एवं 31661 कर्मचारी अपना थोड़ा बहुत काम हिंदी में करते हैं। पिछले वित्तीय वर्ष के दौरान गृह मंत्रालय की प्रोत्साहन योजना के अधीन 59 यूनिटें बनाई गई हैं। 590 कर्मचारी 10,000 शब्द या इससे अधिक शब्द हिंदी में लिख रहे हैं।

A total of 719 Officers & 31,661 Employees does most of their work in Hindi. During the last Financial year, 59 Units have been formed under the incentive scheme of Home Ministry. 590 employees write 10,000 or more words in Hindi.

4. पत्राचार/ Correspondence

31-3-2010 की स्थिति As on 31-12-2009

लक्ष्य/Target: 55%

उपलब्धि/ Achievement: 58.77%

5. धारा 3(3)/ Sec. 3(3)

31-3-2010 की स्थिति/ As on 31-12-2009

लक्ष्य/Target: 100%

उपलब्धि / Achievement: 99.49%

6. स्टेशन संचालन नियम/ Station Working Rules

31-12-09 की स्थिति/ As on 31-12-2009

कुल/ .Total : 518

अनुदित/Translated:471

शेष/Balance: 47

7. हिंदी पुस्तकालय एवं वाचनालय / Hindi Library & Reading Room

इस रेलवे में 63 हिंदी पुस्तकालय हैं तथा इनमें वाचनालय की सुविधा भी है। केवल प्रधान कार्यालय में पूर्णकालिक पुस्तकालय व पुस्तकपाल कार्यरत है तथा बहुत पुरानी 1,912 किताबों का *weeding out* कर दिया गया है।

In this Railway, 63 Hindi Libraries are functioning and the Reading Room facility is also available. A full time Library & Librarian is available only in Hqrs. A total of 1,912 old books have been weeded out.

8. गृह पत्रिका/ House Magazine

प्रधान कार्यालय की ओर से ई-वार्ता पत्र के अलावा 'दक्षिण ध्वनि' नामक त्रैमासिक गृह पत्रिका प्रकाशित की जाती है। इसके अलावा मंडलों / कर्मशालाओं द्वारा अलग-अलग गृह पत्रिकाएं प्रकाशित की जाती हैं।

From Hqrs, besides E-vartha Patra, a quarterly in-house magazine "Dakshin Dwani" is also published. Besides this, the Divisions, & Workshops also publish in-house magazines separately.

9. राजभाषा कार्यान्वयन समिति/ Official Language Implementation Committee

प्रधान कार्यालय, मंडलों और कर्मशालाओं में राजभाषा कार्यान्वयन समितियाँ गठित हैं, जिनकी कुल संख्या 89 है। नियमित रूप से इनकी बैठकें चलाई जाती हैं।

A total of 89 OLIC's are functioning in Hqrs, Divisions & Workshops of this Railway. The meeting are conducted regularly.

10. राजभाषा संगठन/ Hindi Organisation

उपर्युक्त कार्यों को सुचारू रूप से कार्यान्वित करने के लिए इस रेलवे में राजभाषा संगठन है, जिसका नेतृत्व मुख्य बिजली इंजीनियर करते हैं। इनके अधीन निम्नलिखित अधिकारी / कर्मचारी कार्यरत हैं।

To implement the above works in an excellent manner, Hindi Organisation functions in this Railway, which is headed by Chief Electrical Engineer. The following officers/staff are working under him :—

उप महाप्रबंधक / राजभाषा/ DGM/OL	..	1
वरिष्ठ राजभाषा अधिकारी / Sr.Rajbhasha Adhikari	..	1
राजभाषा अधिकारी / Rajbhasha Adhikari	..	5
राजभाषा अधीक्षक/ Rajbhasha Supdt.	..	14
राजभाषा सहायक / ग्रेड - I / Rajbhasha Asst. Gr-I	..	16
राजभाषा सहायक / ग्रेड - II / Rajbhasha Asst. Gr-II	..	24
हिंदी पुस्तकपाल / ग्रेड - II / Hindi Librarian/Gr-II	..	1
हिंदी टंकक / Hindi Typist	..	14
हिंदी आशुलिपिक/ Hindi Stenographer	..	3

दक्षिण रेलवे में राजभाषा कार्यान्वयन संबंधी कार्य पूरी निष्ठा एवं तत्परता के साथ किए जाते हैं।

The work regarding implementation of official language in Southern Railway is done with devotion and involvement.

11. द्विभाषी वेबसाइट/ Bilingual Website

दक्षिण रेलवे के रेल नेट और इंटरनेट दोनों हिंदी में उपलब्ध है।

The Railnet & Internet both are available in Hindi in Southern Railway.

12. की-बोर्ड प्रशिक्षण/ Key Board training

दक्षिण रेलवे में अब तक 3,293 कर्मचारियों को हिंदी की- बोर्ड में प्रशिक्षण दिया गया है।

In Southern Railway a total of 3,293 employees have been imparted training in Hindi Key Board.

विशेष प्रयास / Special Efforts

- वर्ष 2009 के दौरान प्रधान कार्यालय, सभी मंडलों और कर्मशालाओं में हिंदी सप्ताह/दिवस/पखवाड़ा मनाया गया।
The Hindi Week/day/fortnight was celebrated in all Divisions, Workshops & Hqrs' during 2009.
- सभी मंडलों और कर्मशालाओं में "सूचना अधिकार अधिनियम, पर्यावरण प्रदूषण, अनुशासन व अपील नियम, रेल विद्युतीकरण, रेल संरक्षा" विषय पर विभिन्न संगोष्ठियाँ चलाई गईं।
Various seminars were conducted viz " Right to Information Act, Environment Pollution, Discipline & Appeal Rules, Railway Electrification, Railway Safety " in Divisions and workshops.
- समीक्षाधीन वर्ष के दौरान इस रेलवे में क्षेत्रीय स्तर पर निबंध, वाक् व टिप्पण पर विभिन्न प्रतियोगिताएं चलाई गईं।
Various competitions like Essay, Elocution, Noting & Drafting were conducted at Zonal level in this Railway during the year under review.
- दि.28-07-09 से 30-07-09 तक द.रे. द.म.रे. द.प.रे के संयुक्त तत्वावधान में 'रेल प्रशासन में अनुवाद प्रक्रिया के सरलीकरण' विषय पर बेंगलूर में अनुवाद कार्यशाला चलाई गई।
A translation workshop was conducted on the " Simplification of the translation procedure in Railway Establishment " at Bangalore under the joint auspices of S.Rly., S.C. Rly., & S.W. Rly. from 28-7-09 to 30-07-09.
- दि.11-02-09 को एक कवि संगोष्ठी चलाई गई।
A poet's meet was conducted on 11-02-09.

III. FINANCIAL RESULTS

Financial Results of Working

Financial Results of working for the year 2009–2010 compared with 2008–09 :—

(Rupees in lakhs)		
Particulars	Actuals 2008–09	Actuals 2009–2010
1. (a) Capital-at charge ..	4,64,765	5,65,653
(b) Investment from Capital Fund	3,14,540	3,21,113
2. (a) Gross Traffic Earnings ..	4,32,404	4,45,690
(b) Suspense ..	(-)968	(-)887
(c) Gross Traffic Receipts ..	4,31,437	4,44,803
3. (a) Ordinary Working Expenses..	4,06,125	4,79,727
(b) Suspense ..	(-)291	1,281
(c) Ordinary Working Expenses.. (incl. susp.)	4,05,834	4,81,008
4. Appropriation to D. R. F. ..	56,782	17,675
5. Appropriation to Pension Fund ..	82,195	1,15,270
6. Payment to worked lines ..	—	—
7. Total working Expenses ..	5,44,811	6,13,953
8. Net Traffic Receipts ..	(-)1,13,378	(-)1,69,150
9. Net Miscellaneous Receipts ..	(-) 233	(-)42
10. Net Revenue ..	(-)1,13,607	(-)1,69,192

(Rupees in lakhs)

Particulars	Actuals 2008–09	Actuals 2009–2010
11. Payment to General Revenues— Subsidy from General Revenue towards Divident Relief and other concessions.	27,823	29,948
12. Surplus/Shortfall ..	(-)1,41,430	(-)1,99,140
13. Operating Ratio ..	126.06	137.47
14. Percentage of Net Revenue to Capital-at-charge and Investment from Capital Fund.	(-) 14.58	(-) 19.08

2. Traffic receipts

The details of Revenue Receipts for 2008–09 and 2009–10 :—

(Figures in lakhs of ₹)

Heads of Traffic	2008–09	2009–10	Variation
Passenger ..	2,07,349	2,15,461	8,112
Other Coaching ..	20,839	22,354	1,515
Goods ..	1,89,569	1,88,677	(-) 892
Sundries ..	14,648	19,198	4,550
Suspense ..	(-)968	(-) 887	81
Gross Earnings ..	4,31,437	4,44,803	13,366

3. Coaching Earnings

(a) Passenger Earning under important Heads During 2009–2010 compared with 2008–2009 on Central Railway Pattern.

Particulars	Traffic Earnings		Difference		Percentage of Variation	
	2008–2009	2009–2010	2008–2009	2009–2010	2008–2009	2009–2010
	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	165	1,339	220	1,454	55	115
Air-conditioned 2-Tier	2,390	8,547	2,672	9,441	282	894
Air-conditioned 3-Tier	5,901	17,323	7,419	18,392	1,518	1,069
A. C. Chair Car ..	1,659	3,462	1,865	4,103	206	641
First Class—						
(a) Mail/Express ..	574	1,823	310	1,312	(-) 264	(-) 511
(b) Ordinary ..	615	167	724	195	109	28
Total ..	1,189	1,990	1,034	1,507	(-)155	(-) 483
Second Class Sleeper—						
(a) Mail/Express ..	45,843	46,522	45,435	41,434	(-) 408	(-)5,088
(b) Ordinary ..	351	234	457	275	106	41
Second Class Ordinary—						
(a) Mail/Express ..	94,913	62,787	1,00,427	58,767	5,514	(-) 4,020
(b) Ordinary ..	2,27,915	54,281	2,20,765	68,498	(-) 7,150	14,217
Total Non-Suburban ..	3,80,326	1,96,485	3,80,294	2,03,871	(-) 32	7,386
B. Suburban						
First Class (Ordinary)	43	17	44	20	1	3
First Class (Season)	6,627	489	7,277	548	650	59
Second Class (Ordinary)	1,50,113	6,406	1,46,573	7,008	(-)3,540	602
Second Class (Season)	2,01,982	3,952	2,04,148	4,014	2,166	62
Total Suburban	3,58,765	10,864	3,58,042	11,590	(-) 723	726
Grand Total	7,39,091	2,07,349	7,38,336	2,15,461	(-) 755	8,112

(b) Goods earnings under important heads during 2009-2010 compared with 2008-2009 on Central Railway pattern—

		Tonnes carried-on System		Earnings	
Sl. No.	Particulars	(in millions)		(₹ in lakhs)	
		2008-2009	2009-2010	2008-2009	2009-2010
A. Revenue Earnings Traffic:—					
1.	Products of Agriculture	9.727	8.838	31,683	31,399
2.	Animals & Products of Animals.	0.001	0.000	1	0
3.	Products of Mines ..	34.652	33.946	82,385	79,968
4.	Mineral Oil ..	4.406	4.701	14,324	15,578
5.	Products of Forests ..	0.098	0.121	212	289
6.	Manufactures ..	12.488	11.810	36,197	36,161
7.	Miscellaneous ..	7.249	7.946	13,718	16,928
8.	Total Revenue traffic..	68.621	67.362	1,78,520	1,77,323

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	0.462	0.444	0.00	0.00	
(b) For other Govt Rlys., etc.	0.019	0.000	0.00	0.00	
11. Total Non-Revenue	0.481	0.444	0.00	0.00	
12. Grand Total Revenue and Non-Revenue	69.102	67.806	1,78,520	1,77,323	

(c) Other Coaching Earnings under important heads during 2009-2010 compared with 2008-2009 on Central Railway Pattern :—

Particulars	(Figures in lakhs)		
	2008-2009	2009-2010	Variation
1. Special Trains and reserved carriages(Publics)	640	594	(-) 46
2. Special Trains and reserved carriages(Military)	607	730	123
3. Luggage collected at stations	462	491	29
4. Luggage collected by special ticket checking staff.	516	380	(-) 136
5. Public Parcels	10,429	11,178	1,289
6. Transport of Mail	1,990	1,913	(-) 77
7. Service Parcels	0.00	0	0.00
8. Miscellaneous	6,221	6,589	368
Total	20,865	22,415	1,550
Less Refunds	26	61	35
Net Other Coaching Earnings	20,839	22,354	1,515
Total Coaching Earnings	2,28,188	2,37,815	9,627

4. Ordinary Working Expenses

Appropriation Accounts 2009-2010—Statement showing percentage of working Expenses to Earnings for the year 2009-2010 :—

Name of the Railway	Percentage of Working Expenses to Earnings
Southern Railway	137.47%

1. The Operating ratio for 2009-2010 is 137.47% is 11.41 points more than the Operating ratio of 2008-2009. (126.06%).

(a) The Gross Earnings for 2009-10 is ₹ 4,456.90 crores as against ₹ 4324.05 crores for 2008-2009 with an increase of ₹ 132.85 crores (3.07%).

(b) The Ordinary Working Expenses for 2009-2010 in respect of Grant No. 3 to 13 (excluding suspense) are more by ₹ 736.01 crores (18.12%).

(c) Appropriation to DRF has decreased by ₹ 391.07 crores (– 68.87%) and Appropriation to Pension Fund has increased by ₹ 330.75 crores (40.24%) during 2009-2010.

(d) The Total Working Expenses for 2009-2010 including Appropriation to DRF and Pension Fund is ₹ 6,126.72 crores (excluding suspense) as against ₹ 5,451.03 crores for 2008-2009 with an increase of ₹ 675.69 crores (12.40%).

II Earnings.—Analysis of variation over actuals of 2009-2010.

(a) *Passengers* :—The increase under Passenger Earnings is ₹ 81.12 crores which works out to 3.91% over the previous year. The break-up for the increase is as follows :—

(Figures in crores of ₹)			
Increase in fares	..	..	56.15
Increase in traffic	..	..	24.97
Total	..	..	81.12

(b) *Other Coaching*.—The increase under Passenger Earnings is ₹ 15.15 crores which amounts to 7.27% over the previous year. The details for the increase is as follows :—

(Figures in crores of Rs.)			
(i) Increase in Parcels	..	..	12.86
(ii) Decrease in Luggage	..	..	0.29
(iii) Increase Under Military	..	..	0.47
(iv) Increase in Postal Bills	..	..	(-) 0.76
(v) Increase in Others	..	..	2.29
Total	..	..	15.15

(c) *Goods Traffic* :—The decrease of ₹ 8.91 crores over the last year amounts to (–) 0.47%. This is mainly due to :—

(Figures in crores of ₹)			
(i) Decrease in Rates	..	..	(-) 25.00
(ii) Increase in Traffic	..	..	2.25
(iii) Increase in Miscellaneous Earnings	..	..	13.84
Total	..	..	(-) 8.91

(d) *Sundries* :—The increase of ₹ 45.50 crores over the previous year amounts to 31.06%. This can be mainly attributed to :—

(Figures in crores of ₹)			
(i) Decrease under Rent	..	..	(-) 0.04
(ii) Increase under Demands Recoverable	..	..	37.81
(iii) Increase in Catering Earnings	..	..	2.46
(iv) Increase in Others	..	..	5.27
Total	..	..	45.50

III. Working Expenses.—Analysis of variation over 2008-2009.

Increase under Ordinary working Expenses covered by Grants 3 to 12 on Gross basis (Voted) excluding suspense amounts to ₹ 74,154.17 lakhs, which amounts to 18% more than that of the previous year. The reasons for the variations are dealt by PU wise :

(Figures in thousands of ₹)			
(1) <i>Salaries and Wages (PU-01)</i> —			
Due to payment of 60% arrears and implementations of MACP			52,20,977
(2) <i>Dearness Allowance (PU -02)</i> —			
Due to merger of DP with pay after implementation VI PC			(-) 4,29,729

(3)	<i>Productivity Linked Bonus (PU -03)—</i> Payments of arrears due for year 2007-08 paid in the year 2008-09.	(-) 1,46,561
(4)	<i>House Rent Allowance (PU -04)—</i> Due to recommendation of PC orders and MACP orders.	4,84,473
(5)	<i>City Compensatory Allowance (PU -05)—</i> On account of replacing CCA with TPA	(-) 53,090
(6)	<i>Transport Allowance (PU -07)—</i> Due to implementation of PC orders and MACP orders.	5,72,001
(7)	<i>Wages of Casual Labour (PU -09)—</i> Trival.	29
(8)	<i>Kilometre Allowance (PU -10)</i> Due to payments of arrears for MACP & PC	1,34,844
(9)	<i>Over time Allowance (PU -11)</i> Minor variation.	857
	Total	9,949
(10)	<i>Night Duty Allowance (PU -12)—</i> Due to enhancement in rates and payment of arrears. Minor factors	1,49,080 585
	Total	1,49,665
(11)	<i>Other Allowance (PU -13)—</i> Revision in the rates of various allowance due to implementation of 6th PC.	61,246
(12)	<i>Fees and Honorarium (PU -14)—</i> Less due to economy measures	(-) 1,055
(13)	<i>Transfer Allowance (PU -15)—</i> Revision of the rates on the higher side on account of VI PC.	21,670
(14)	<i>Travelling Allowance (PU -16)—</i> Increase due to enhanced rates	2,62,922
(15)	<i>Leave enhancement during service (PU20)—</i> This benefit was introduced in the year 2009-10 only.	1,03,750
(16)	<i>Children Education Allowance (PU-25)</i> This benefit was introduced in the year 2009-10 only.	2,65,301
(17)	<i>Contingencies (PU-18 to 24)</i> More due charges to station building, residential & welfare buildings. Off set by decrease in other activities	53,909 (-) 48,037
	Total	5,872

(18)	<i>Drawal from Stores (PU-27)</i> Less due to decrease in activities More drawals on track renewals More drawals on mainenance of locos, carriage, wagons and T & P equipments. More drawals of stores for station oprations More drawals of stores for staff quarters, security & staff training.	(-) 1,02,680 3,306 71,806 1,856 3,270
	Total	(-) 22,442
(19)	<i>Cost of materials - Direct Purchase (PU-28)</i> Less due to decrease in activities More purchase of materisl for track renewal work	1,12,830 8,485
	Total	(-) 1,04,345
(20)	<i>Fuel other than traction (PU-31)</i> Less consumption of fuel for generators in Rajdhani Exp. for AC and vehicle.	(-) 11,392
(21)	<i>Contractual Payments (PU-32)</i> More contractual payment for maintenance of locos, carriage, wagons and T & P equipment. More consumption of Electrical Energy traction purpose. Other Minor activity Less contractual obligation for permanent way activity and general superintendence. Less contractual under on board cleaning and hygene cleaning - coach contract.	23,946 1,13,942 6,326 (-) 40,775 (-) 25,869
	Total	77,570
(22)	<i>Transfer of Debits/ Credits from other Units (PU-33)</i> Less credit under permanent way More POH debits for Locos, Carriage & Wagons and T & P rquipments. More EE charges for train lighting More debits under IRFC lease charges More credits realised towards track machines maintenance. Less EE charges for Rly. Qrs. & more credits received for OHS. Less inward debits towards fuel for traction Due to less debits towards RPSF Minor factor	55,253 3,31,657 85,799 1,21,910 (-) 75,274 (-) 11,679 (-) 51,437 (-) 36,629 177
	Total	4,19,777
(23)	<i>Adjustment of ' Wages ' on POH (PU-34)</i> Due to payment of 60% arrears and implement of MACP for staff on maintenance of carriage, wagons and T & P equipments. Decrease in activities in repairs of locomotives - DSL & Electrical. Minor factor	6,10,429 (-) 92,437 161
	Total	5,18,153

(24) Adjustment of 'Materials' on POH (PU-35)

Increase in out-turn of carriage & wagons & repairs to plant and equipments.	2,36,077
Decrease in activities in repairs of locomotives DSL & Electrical.	(-) 2,67,297
Minor factor	(-) 229
Total	(-) 31,449

(25) Excise Duty (PU-36)

More payments for more consumption of HSD oil.	22,308
Minor factor	(-) 255
Total	22,053

(26) Customs Duty (PU-37)

More payments towards customs duty	1,184
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(27) Sales Tax (PU-38)

Due to implementation of VAT	(-) 27,525
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(28) Air Travel-Domestic (PU-39)

Due to economic measures	(-) 697
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(29) Air Travel-Foreign (PU-40)

Nil	0
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(30) VAT (PU-41)

More tax paid in lieu of Sales tax	5,964
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(31) Cost of Computers -Hardware/System (PU-50)

Due to non-/delayed materialisation	(-) 6,059
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(32) Computer Consumables (PU-51)

Increase in cost of the computer consumables	3,460
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(33) Other Miscellaneous (PU-99)

More due to postal commission charges on Pension.	16,311
More due to Permanent Way charges	9,998
More due to running repairs in sheds for special repairs & overhauling.	1,338
More amount received towards damages to wagons from Port trust.	5,722
Less rental charges to P & T	(-) 9,608
Lesser payment made to DSL locomotive operations and EMU.	(-) 1,006
Less maintenance charges of stations including sanitation and train operations.	(-) 2,278
More freight charges paid	8,169
More due to Medical expenditure	3,536
Less payment towards cost of order police and freight charges	(-) 1,14,189
Total	(-) 82,007

IV. Appropriation accounts 2009-2010-Percentage of Working expenses to earnings—

(In lakhs of ₹)

	Budget Estimate 2009-10	Revised Estimate 2009-10	Actuals 2009-10	Actuals 2008-09	Actuals 2007-08
1. (a) Capital-at-charge	5,42,494	5,76,753	5,65,653	4,64,765	4,33,330
(b) Investment from Capital Fund.	3,25,774	3,33,651	3,21,113	3,14,540	92,946
2. Earnings—					
(a) Passenger	2,48,409	2,35,990	2,15,461	2,07,349	1,80,586
(b) Other Coaching	28,898	26,109	22,354	20,839	20,481
(c) Goods	2,26,321	2,10,208	1,88,677	1,89,569	1,65,585
(d) Sundries	15,446	19,147	19,198	14,648	10,552
(e) Total Gross Earnings	5,19,074	4,91,454	4,45,690	4,32,405	3,77,204
(f) Traffic Suspense and demands recoverable.	200	200	(-) 887	(-) 968	197
(g) Gross traffic receipts	5,19,274	4,91,654	4,44,803	4,31,437	3,77,401

	Budget Estimate 2009-10	Revised Estimate 2009-10	Actuals 2009-10	Actuals 2008-09	Actuals 2007-08
3. Working Expenses—					
(a) Ordinary working Expenses	4,44,081	4,82,145	4,79,727	4,06,126	2,89,622
(b) Appropriation to DRF	43,162	36,475	17,675	56,782	44,443
(c) Appropriation to Pension Fund.	1,05,309	1,03,870	1,15,270	82,195	62,251
(d) Suspense	(-) 46	(-) 1,183	1,281	(-) 292	548
(e) Total working Expenses.	5,92,506	6,21,307	6,13,953	5,44,811	3,96,864
4. Net Traffic Receipts 3(g)-4(e)	(-) 73,232	(-) 1,29,653	(-) 1,69,150	(-) 1,13,375	(-) 19,463
5. (a) Miscellaneous Receipts	194	136	197	113	141
(b) Miscellaneous Payments	301	367	239	346	313
(c) Net Miscellaneous Receipt.	(-) 107	(-) 231	(-) 42	(-) 233	(-) 172
6. Net Revenue 5+6 (c)	(-) 73,339	(-) 1,29,884	(-) 1,69,192	(-) 1,13,608	(-) 19,635
7. (a) Payment to General Revenue	35,188	36,205	35,786	31,155	29,487
(b) Subsidy from G. R. towards dividend relief & other concessions.	5,406	5,934	5,838	3,332	3,400
8. Surplus (+)/Deficit(-)	(-) 1,03,121	(-) 1,60,155	(-) 1,99,140	(-) 1,41,430	(-) 45,722
9. Percentage of working expenses to Gross Earnings.	114.16	126.66	137.47	126.06	105.07

Summary

Sl. No. (Figures in thousands of ₹)

1. More to working expenses (Demand 3 to 12)	74,15,417
2. More under DRF	.. (-) 39,10,707
3. More under Pension Fund.	.. 33,07,529
4. More under charged (3 to 12)	.. (-) 960
5. Less credits Realised (3 to 12)	.. (-) 1,50,690
6. More under PF, Pension & Other Retirement Benefits.	.. 96,403

Total .. 67,56,992

(ii) Details of Working Expenses.—Abstract wise/Demand wise (In thousands of ₹)

De-mand No.	Abstract	Particulars	2008-2009	2009-2010
(3) A	General Superintendence and Services		30,90,196	40,07,730
(4) B	Repairs and Maintenance of Permanent Way and Works.		39,56,253	49,27,344
(5) C	Repairs and Maintenance of Motive Power		24,59,831	24,72,085
(6) D	Repairs and Maintenance of Carriage and Wagon.		53,88,991	69,04,402
(7) E	Repairs and Maintenance of Plant and Equipment.		23,02,709	28,18,331
(8) F	Operating Expenses—Rolling Stock & Equipment.		34,55,011	41,24,478
(9) G	Operating Expenses—Traffic..	..	65,75,330	83,86,785
(10) H	Operating Expenses—Fuel	..	93,52,568	93,53,211
(11) J	Staff Welfare and Amenities ..	..	21,14,600	27,44,272
(12) K	Miscellaneous working expenses	..	17,81,657	20,02,261
(13) L	Net Provident Fund, Pension and other Retirement Benefits.		1,35,361	2,31,764
	Total	..	4,06,12,507	4,79,72,669

Suspense—

(12) N. Demands Payable (DR.)	(-) 4,10,392	(-) 2,62,888
(12) N. Miscellaneous Advances Revenue	3,81,243	(-) 3,90,976

(iii) The particulars of additional investment on the Line Capacity Work and Traffic Facility Works during the year 2009–2010 as compared to the previous year 2008–2009 are furnished below:—

(Net figures in thousands of ₹)

	2008–2009	2009–2010
(1) Capital	5,69,542	80,67,350
(2) D. R. F.	(–) 4,27,537	(–) 2,56,632
(3) D. F.	1,63,629	2,05,248
(4) Capital Fund	65,44,943	37,822
(5) O. L. W. R.	2,396	2,707
Total	68,52,973	80,56,195

Plan headwise expenditure breakup (Net figures in thousand of ₹)

2008–2009	Capital	DRF	DF	Cap. Fund	QLWR	RSF	SRSF	Total
Gauge Conversion	6,66,796	(–)49,99,959	0	37,42,593	0	0	0	39,09,430
Doubling ..	(–)1,45,425	72,336	519	27,54,008	0	0	0	26,81,438
Tfc. Facilities ..	48,191	86	1,63,110	48,342	2,396	0	0	2,62,105
Total ..	5,69,542	(–) 4,27,537	1,63,629	65,44,943	2,396	0	0	68,52,973

2008–2009	Capital	DRF	DF	Cap. Fund	QLWR	RSF	SRSF	Total
Gauge Conversion	48,91,786	(–)1,91,551	0	0	0	0	0	47,00,235
Doubling ..	30,42,024	(–) 53,095	0	0	0	0	0	29,88,929
Tfc. Facilities ..	1,33,540	(–) 11,986	2,05,248	37,822	2,707	0	0	3,67,331
Total ..	80,67,350	(–) 2,56,632	2,05,248	37,822	2,707	0	0	80,56,495

5. Capital

Statement showing the Capital-at-charge at the end of 31st March 2010 compared with 31st March 2009 is furnished below. The capital-at-charge of this Railway stood at ₹. 5,65,653 lakhs at the end of 31st March, 2010 as against ₹. 4,64,765 lakhs at the end of 31st March 2009.

6. Assets and Liabilities—

(a) Profit and Loss Account for the year 2008–2009 compared with 2009–2010—

(Figures in thousands of ₹)

Particulars	2008–2009	2009–2010	Particulars	2008–2009	2009–2010
I. To Working Expenses—			(i) By Earnings —		
A-3 General Superintendence & services..	30,90,196	40,07,730	Gross Traffic Receipts .. .. .	..	..
B-4 Repairs and Maintenance of Permanent Way and Works.	39,56,253	49,27,344	Passenger Earnings.. .. .	..	2,07,34,924
C-5 Repairs and Maintenance of Motive Power	24,59,831	24,72,085	Other Coaching Earnings .. .. .	..	20,83,919
D-6 Repairs and Maintenance of Carriage and Wagons.	53,88,992	69,04,402	Goods Earnings .. .. .	..	1,89,56,854
E-7 Repairs and Maintenance of Plant and equipment.	23,02,709	28,18,337	Others .. .. .	..	14,64,763
F-8 Operating Expenses—Rolling Stock and equipment.	34,55,011	41,24,478	Suspense .. .. .	..	96,764
G-9 Operating Expenses—Traffic ..	65,75,330	83,86,785			
H.10 Operating Expenses—Fuel.. ..	93,52,568	93,53,211	(ii) Miscellaneous receipts including receipts from Surcharge on Passenger Tickets.	16,053	20,879
J.11. Staff Welfare and Amenities.. ..	21,14,600	27,44,272			
K.12 Miscellaneous Working Expenses ..	17,81,657	20,02,261	(iii) Subsidy from General Revenues towards Dividend.	3,33,212	5,83,833
N.12.Suspense	(–) 29,148	1,28,088			
L.13. Provident Fund, Pension and other Retirement Benefits.	1,35,361	2,31,764	(iv) Gross Loss.. .. .	..	1,11,88,529
Appropriation to D. R. F.	56,73,200	17,67,493			1,65,77,686
Appropriation to Pension Fund	82,19,470	1,15,26,999			
II. Payment to Worked Lines.					
III. Miscellaneous Expenditure—					
Survey	5,381	6,415			
Open line works (Revenue)	29,229	17,500			
Audit	1,04,206	1,37,191			
Government Inspection	0	0			
Cost of Railway Board	2,13,064	2,30,365			
Railway Recruitment Board	42,108	53,272			
Miscellaneous charges	0	0			
Total	5,48,75,018	6,18,39,992	Total	5,48,75,018	6,18,39,992
To Gross Loss	1,11,88,529	1,65,77,686	Net & Loss	1,43,03,958	2,01,56,304
Payment to Dividend to General Revenue	31,15,429	35,78,618			
Grand Total	1,43,03,958	2,01,56,304			

(b) Statement of Assets and Liabilities as on 31st March 2010, 2009 & 2008 in the form of Block Account—

Liabilities	As on 31st March			Assets As on 31st March	(Figures in lakhs of ₹)		
	2008	2009	2010		2008	2009	2010
I. (a) Investment Financed from—							
(i) Loan Capital Advance by General Exchequer.	4,32,526	4,64,765	5,65,653	1. Cash in Hand ..	4,438	7,312	9,253
(ii) Depreciation Reserve Fund	2,32,170	2,79,593	3,20,254	2. Block Account (Contra item 1)	11,06,918	12,98,577	14,87,120
(iii) Development Fund	92,841	1,13,444	1,31,646	3. Funds with Central Government (Contra item 2 & 3)	(-) 3,78,241	(-) 4,91,745	(-) 6,37,155
(iv) Capital Fund	2,27,692	3,14,540	3,33,818	4. Miscellaneous Advance—Sundry Debtors (to be recovered or adjusted).	15,853	19,423	23,060
(v) Open Line Works Revenue	8,451	8,763	8,932	5. Traffic Earnings (yet to be realised at the end of the year).	1,088	2,199	2,964
(vi) Railway Safety Fund	20,902	25,909	34,481	6. Items awaited adjustment with Civil Department, State Government, etc.	244	262	254
(vii) Special Railway Safety Fund	92,328	92,328	92,328				
(b) Machinery and Equipment free of cost.	8	8	8				
	9,56,402	12,99,350	14,87,120				
2. Railway Reserve Fund—							
(i) Depreciation Reserve Fund	1,53,182	1,69,700	1,57,130				
(ii) Railway Revenue Reserve Fund	0	0	0				
(iii) Development Fund	(-) 95,797	(-) 1,16,974	(-) 1,36,226				
(iv) Capital Fund	(-) 2,14,984	(-) 3,01,835	(-) 3,21,113				
(v) Pension Fund	(-) 2,58,136	(-) 3,01,364	(-) 3,85,500				
(vi) Railway Safety Fund	(-) 20,411	(-) 25,315	(-) 33,887				
(vii) Special Railway Safety Fund	(-) 43,732	(-) 43,732	(-) 43,732				
	(-) 4,79,878	(-) 6,19,520	(-) 1,26,173				
3. Bank Account (Sundry Creditors)—							
(i) Provident Fund and other funds	52,118	64,361	78,433				
(ii) Miscellaneous Deposits	49,519	63,414	47,740				
	1,01,637	1,27,775	(-) 1,26,173				
4. Demands Payable (i. e.) liabilities remaining undischarged at the end.	10,614	14,718	17,347				
5. Net Liabilities arising out of inter-departmental transactions.	11,009	14,478	18,184				
Total ..	7,50,300	8,36,028	8,85,496	Total ..	7,50,300	8,36,028	8,85,496

7. Statement of Capital assets at the end of March 2009 and March 2010 is given below—

(Figures in thousands of ₹)

	Capital at charge as on 31st March 2009	Capital at charge as on 31st March 2010
11. New Line Construction ..	88,70,929	1,04,47,682
12. Purchase of New line ..	1,31,779	1,31,779
13. Restoration of dismantled line	(-) 89	(-) 89
14. Gauge conversion ..	1,42,56,621	1,91,64,410
15. Doubling ..	92,56,104	1,22,97,857
16. Traffic facilities & Yard remodelling	12,86,529	14,20,069
17. Computerisation ..	6,416	6,455
20. Rolling Stock ..	79,28,040	88,30,362
21. Road Over Bridge ..	0	10,973
31. Track Renewals ..	(-) 1,749	(-) 1,749
32. Bridge Works ..	8,812	8,812
33. Signalling & Tele-com. Works	1,20,377	1,20,377
34. Taking over line wire from P. & T.	(-) 2,316	(-) 2,316
35. Electrification Project ..	15,96,144	15,96,144
36. Other Electrical Works ..	1,62,292	1,84,655
41. Machinery and Plant ..	1,74,509	1,94,064
42. Workshop including production units	13,49,512	15,35,889
51. Staff Quarters ..	5,04,992	5,42,401
52. Amenity for Staff ..	64,932	64,890
53. (i) Passenger Amenities	5,042	5,042
(ii) Other Railway users' Amenities.	(-) 100	(-) 100
62. Investment in Government/Commercial undertaking Public services.	..	..
64. Other specified works ..	80,463	81,286
71. Suspense ..	16,14,995	8,80,490
Deduct Receipt on Capital Account	9,37,764	9,54,062
Total Capital at charge	4,64,76,470	5,65,65,321

8. The Position of the funds maintained by the Southern Railway for 2009–2010 is indicated below—

(Figures in thousands of ₹)

Nature of Fund Accounts	Opening balance as on 1st April 2009	Appropriation during the year 2009–2010 including interest and transfers without financial adjustment		Withdrawal from the fund Actual Expenditure	Balance as on 31st March 2010
1. Depreciation Reserve Fund.	1,69,69,970	28,36,630	40,93,586		1,57,13,014
2. Pension Fund	(-) 3,01,36,397	92,08,555	1,76,22,163	(-) 3,85,50,005	

9. The sources of funds from which expenditure on works met during the year 2008–2009 and 2009–2010.

(Figures are Net and in thousands of Rupees)

	2008–2009	2009–2010
1. Capital (including Transfers without Financial Adjustment)	31,43,446	1,00,88,851
2. Depreciation Reserve Fund ..	56,03,785	40,93,587
3. Development Fund * ..	21,17,697	19,25,249
4. Railway Safety Fund ..	4,90,408	8,57,177
5. Special Railway Safety Fund ..	0	0
6. Open Line Works—Revenue ..	29,229	17,500
7. Capital Fund ..	86,85,167	19,27,722
Total ..	2,00,69,732	1,89,10,086

* Inclusive of Expenditure towards—

	2008–2009	2009–2010
(i) Safety Works D.F. IV ..	3,98,953	2,22,353
(ii) Passenger Amenities Works ..	8,02,428	8,07,332

10. Statement showing the expenditure—Plan head-wise for the year 2009-2010

(Figures in thousands of ₹)

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	Charged
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1. New Lines (Construction)																	
	Gross	14,47,824	1,28,929	-	-	-	-	-	-	-	-	-	-	-	-	14,47,824	1,28,929
(11)	Credit	277	-	-	-	-	-	-	-	-	-	-	-	-	-	277	-
	Net	14,47,547	1,28,929	-	-	-	-	-	-	-	-	-	-	-	-	14,47,547	1,28,929
2. Purchase New Lines																	
(12)	Gross	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Net	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. Gauge Conversion																	
(14)	Gross	48,96,901	10,888	6,08,247	-	-	-	-	-	-	-	-	-	-	-	55,05,148	10,888
	Credit	16,002	-	7,99,798	-	-	-	-	-	-	-	-	-	-	-	8,15,800	-
	Net	48,80,899	10,888	(1,91,551)	-	-	-	-	-	-	-	-	-	-	-	46,89,348	10,888
4. Doubling																	
(15)	Gross	30,01,587	40,166	3,979	-	-	-	-	-	-	-	-	-	-	-	30,05,566	40,166
	Credit	(-) 271	-	57,074	-	-	-	-	-	-	-	-	-	-	-	56,803	-
	Net	30,01,858	40,166	(53,095)	-	-	-	-	-	-	-	-	-	-	-	29,48,763	40,166
5. Traffic Facilities																	
(16)	Gross	1,32,452	1,088	-	-	2,04,709	538	36,965	553	-	-	-	-	2,707	-	3,76,633	2,179
	Credit	-	-	11,965	-	-	-	(-) 304	-	-	-	-	-	-	-	11,661	-
	Net	1,32,452	1,088	(11,965)	-	2,04,709	538	37,269	553	-	-	-	-	2,707	-	3,65,152	2,179
6. Computerisation																	
(17)	Gross	39	-	12,020	-	1,01,517	-	-	-	-	-	-	-	3,122	-	1,16,638	-
	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Net	39	-	12,020	-	1,01,517	-	-	-	-	-	-	-	3,122	-	1,16,638	-
7. Railway Research Works																	
(18)	Gross	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Net	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. Rolling Stock																	
(21)	Gross	9,84,644	-	17,51,805	-	39,508	-	-	-	-	-	-	-	-	-	27,75,957	-
	Credit	-	-	1,68,532	-	-	-	-	-	-	-	-	-	-	-	1,68,532	-
	Net	9,84,644	-	15,83,273	-	39,508	-	-	-	-	-	-	-	-	-	26,07,425	-
(i) Locomotives																	
	Gross	2,72,613	-	4,03,401	-	-	-	-	-	-	-	-	-	-	-	6,76,014	-
	Credit	-	-	4,03,401	-	-	-	-	-	-	-	-	-	-	-	-	-
	Net	2,72,613	-	-	-	-	-	-	-	-	-	-	-	-	-	6,76,014	-
(ii) Loco Spares																	
	Gross	1,30,800	-	3,15,409	-	-	-	-	-	-	-	-	-	-	-	4,46,209	-
	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Net	1,30,800	-	3,15,409	-	-	-	-	-	-	-	-	-	-	-	4,46,209	-
(iii) Carriages																	
	Gross	3,91,141	-	6,64,503	-	39,131	-	-	-	-	-	-	-	-	-	10,84,775	-
	Credit	-	-	42,336	-	-	-	-	-	-	-	-	-	-	-	42,336	-
	Net	3,91,141	-	8,21,167	-	39,131	-	-	-	-	-	-	-	-	-	10,42,439	-
(iv) Wagons																	
	Gross	23,802	-	3,78,492	-	-	-	-	-	-	-	-	-	-	-	4,02,094	-
	Credit	-	-	1,26,198	-	-	-	-	-	-	-	-	-	-	-	1,26,198	-
	Net	23,802	-	2,52,296	-	-	-	-	-	-	-	-	-	-	-	2,75,898	-
(v) Rail-cum-road service.																	
	Gross	6,514	-	-	-	-	-	-	-	-	-	-	-	-	-	6,514	-
	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Net	6,514	-	-	-	-	-	-	-	-	-	-	-	-	-	6,514	-
(vi) Others																	
	Gross	3,051	-	-	-	377	-	-	-	-	-	-	-	-	-	3,428	-
	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Net	3,051	-	-	-	377	-	-	-	-	-	-	-	-	-	3,428	-
(vii) Track Machine																	
	Gross	1,56,923	-	-	-	-	-	-	-	-	-	-	-	-	-	1,56,923	-
	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Net	1,56,923	-	-	-	-	-	-	-	-	-	-	-	-	-	1,56,923	-
9. LA-L-C TO IRFC, ETC.																	
(22)	Gross	-	-	-	-	-	-	18,89,900	-	-	-	-	-	-	-	18,89,900	-
	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Net	-	-	-	-	-	-	18,89,900	-	-	-	-	-	-	-	18,89,900	-
10. RD-SFT-LN-MAN																	
(29)	Gross	-	-	-	-	-	-	-	-	1,45,439	-	-	-	-	-	1,45,439	-
	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Net	-	-	-	-	-	-	-	-	1,45,439	-	-	-	-	-	1,45,439	-
11. RD-SFT-OB/UB																	
(30)	Gross	10,973	-	-	-	-	-	-	-	7,11,057	1,817	-	-	-	-	7,22,030	1,817
	Credit	265	-	-	-	-	-	-	-	1,138	-	-	-	-	-	1,421	-
	Net	10,698	-	-	-	-	-	-	-	7,09,921	1,817	-	-	-	-	72,06,009	1,817

Statement showing the expenditure—Plan head-wise for the year 2009-2010—(Concid.)

(Figures in thousands of ₹)

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	Charged
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
12.	Track Renewals	Gross	-	25,53,417	678	-	-	-	-	-	-	-	-	-	-	28,53,417	678
(31)	Credit	-	-	8,07,036	-	-	-	-	-	-	-	-	-	-	-	8,07,036	-
	Net	-	-	18,46,381	678	-	-	-	-	-	-	-	-	-	-	18,46,381	678
13.	Bridge Works	Gross	-	1,42,986	-	694	-	-	-	-	-	-	-	-	-	1,43,680	-
(32)	Credit	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
	Net	-	-	1,42,986	-	694	-	-	-	-	-	-	-	-	-	1,43,680	-
14.	Signalling and	Gross	-	1,59,259	4	3,14,421	-	-	-	-	-	-	-	-	-	4,73,680	4
Telecommunication	Credit	-	-	2,311	-	815	-	-	-	-	-	-	-	-	-	3,126	-
(33)	Net	-	-	1,56,948	4	3,13,606	-	-	-	-	-	-	-	-	-	4,70,554	4
15.	Taking of lines	Gross	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
from P. & T.	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(34)	Net	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16.	Electrification	Gross	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Project.	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(35)	Net	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17.	Other Electrical	Gross	22,363	-	1,03,297	-	13,416	-	-	-	-	-	-	3,168	-	1,42,244	-
Works.	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(36)	Net	22,363	-	1,03,297	-	13,416	-	-	-	-	-	-	-	3,168	-	1,42,244	-
18.	Machinery & Plant	Gross	19,555	-	2,09,953	-	18,115	-	-	-	-	-	-	3,929	-	2,51,532	-
(41)	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Net	19,555	-	2,09,953	-	18,115	-	-	-	-	-	-	-	3,929	-	2,51,532	-
19.	Workshops	Gross	1,96,394	-	26,636	-	2,30,299	-	-	-	-	-	-	659	-	4,43,988	-
(42)	Credit	4	-	17,984	-	(-) 33	-	-	-	-	-	-	-	-	-	17,955	-
	Net	1,96,390	-	8,852	-	2,30,332	-	-	-	-	-	-	-	659	-	4,28,033	-
20.	Staff Quarters	Gross	37,409	-	1,69,288	-	-	-	-	-	-	-	-	-	-	2,06,695	-
(51)	Credit	-	-	14,699	-	-	-	-	-	-	-	-	-	-	-	14,669	-
	Net	37,409	-	1,54,587	-	-	-	-	-	-	-	-	-	-	-	1,91,996	-
21.	Amenities for Staff	Gross	42	-	44,373	-	1,42,433	-	-	-	-	-	-	180	-	1,86,944	-
(52)	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-
	Net	(-) 42	-	44,373	-	1,42,433	-	-	-	-	-	-	-	180	-	1,86,944	-
22.	(i) Passenger	Gross	-	75,363	-	7,31,974	-	-	-	-	-	-	-	304	-	8,07,341	-
Amenities.	Credit	-	-	-	-	9	-	-	-	-	-	-	-	-	-	9	-
(53)	Net	-	-	75,363	-	7,31,665	-	-	-	-	-	-	-	304	-	8,07,332	-
23.	(ii) Other Railway	Gross	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Users Amenities	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(53)	Net	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24.	Investment in	Gross	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Govt. commercial	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
under taking public	Net	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
under takings.																	
(62)																	
25.	Other specified	Gross	823	-	11,723	-	1,28,742	-	-	-	-	-	-	3,431	-	1,44,719	-
Works.	Credit	-	-	-	-	26	-	-	-	-	-	-	-	-	-	28	-
(64)	Net	823	-	11,723	-	1,28,718	-	-	-	-	-	-	-	3,431	-	1,44,693	-
26.	Stores Suspense	Gross	72,20,369	-	-	-	-	-	-	-	-	-	-	-	-	72,20,369	-
	Credit	78,86,916	-	-	-	-	-	-	-	-	-	-	-	-	-	78,86,916	-
	Net	(-)6,66,547	-	-	-	-	-	-	-	-	-	-	-	-	-	(-)6,66,547	-
27.	Manufacture	Gross	74,94,759	-	-	-	-	-	-	-	-	-	-	-	-	74,94,759	-
Suspense	Credit	75,54,353	-	-	-	-	-	-	-	-	-	-	-	-	-	75,54,353	-
	Net	-59,594	-	-	-	-	-	-	-	-	-	-	-	-	-	(-)59,594	-
28.	Miscellaneous	Gross	1,214	-	-	-	-	-	-	-	-	-	-	-	-	1,214	-
Advance	Credit	9,579	-	-	-	-	-	-	-	-	-	-	-	-	-	9,579	-
	Net	(-)8,365	-	-	-	-	-	-	-	-	-	-	-	-	-	(-)8,365	-
29.	Grand Total	Gross	2,54,57,264	1,81,071	59,72,324	682,19,25,528	538,19,26,865	553,8,56,496	1,817	-	-	-	-	17,500	-	3,61,55,977	1,84,661
	Credit	1,54,67,145	-	18,79,419	-	817	-	(-) 304	-	1,136	-	-	-	-	-	1,73,48,213	-
	Net	99,90,119	1,81,071	40,92,905	682,19,24,711	538,19,27,169	553,8,55,380	1,817	-	-	-	-	-	17,500	-	1,88,07,764	1,84,661

Statement showing the break-up of Expenditure under the Plan Head "Machinery and Plant" for the year 2009-2010—(Concl'd.)

Sl. No.	Plan Head	Capital		D R F		D F		Capital Fund		R.S.F.		S.R.S.F.		O L W R		Total	
		Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
(v) Accounts	Gross Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Net	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(vi) Signal and Tele-communication	Gross Credit	512	-	8,398	-	-	-	-	-	-	-	-	-	352	-	9,262	-
	Net	512	-	8,398	-	-	-	-	-	-	-	-	-	352	-	9,262	-
(vii) Medical	Gross Credit	-	-	14,897	-	15,374	-	-	-	-	-	-	-	226	-	30,497	-
	Net	-	-	14,897	-	15,374	-	-	-	-	-	-	-	226	-	30,497	-
(viii) Security	Gross Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Net	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(ix) Operating	Gross Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Net	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(x) General	Gross Credit	1,287	-	2,869	-	884	-	-	-	-	-	-	-	-	-	5,040	-
	Net	1,287	-	2,869	-	884	-	-	-	-	-	-	-	-	-	5,040	-
Total Machinery and Plant	Gross Credit	19,555	-	2,09,933	-	18,115	-	-	-	-	-	-	-	3,929	-	2,51,532	-
	Net	19,555	-	2,09,933	-	18,115	-	-	-	-	-	-	-	3,929	-	2,51,532	-

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	2007-08	2008-09	2009-10	Sl. No.	Particulars	2007-08	2008-09	2009-10
1.	Expenditure actually booked	57,612.05	83,853.45	99,738.42	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.	5,688.58	24,499.99	36,447.27	(i)	Expenditure on Locomotives Workshop Repairs.	3,775.35	5,139.85	3,330.41
3.	Locomotives :				(ii)	Proportionate amount of extraneous factors.	372.78	1,850.43	1,217.03
I. Steam—					(iii)	Debits raised by CLW/CRJ, DLW, etc.	..	..	..
(i)	Expenditure on Locomotives Workshop Repairs.	103.86	61.79	175.40	(iv)	Comparable expenditure item (i) Minus item (ii) Minus (iii).	3,402.57	3,638.11	2,113.38
(ii)	Proportionate amount of extraneous factors.	10.26	18.05	64.10	(v)	Index of comparable expenditure (Per cent).	100.00	106.92	62.11
(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)).	93.60	43.74	111.30	Broad Gauge	..	99.00	54.00	41.00
(v)	Index of Comparable expenditure (per cent).	100.00	46.72	118.91	Metre Gauge	..	1.00	20.00	1.00
(vi)	(a) Performance measured in terms of standard 1st Class or units repaired—				Narrow Gauge	..	..	..	..
Broad Gauge	..	..	..	..	(b)	Performance measured per million equated engine kilometres—			
Metre Gauge	..	1.00	2.00	..	Broad Gauge	..	1.87	0.45	0.32
Narrow Gauge	..	..	..	..	Metre Gauge	..	0.23	6.75	0.67
(b)	Performance measured per million equated engine kilometres—				Narrow Gauge	..	..	..	..
Broad Gauge	..	..	..	..	III. Electrical—				
Metre Gauge	..	29.41	60.61	..	(i)	Expenditure on Locomotives workshop Repairs.	5,165.68	7,894.89	7,338.52
Narrow Gauge	..	..	..	..	(ii)	Proportionate amount of extraneous factors.	510.06	2,306.70	2,681.71
					(iii)	Debits raised by South Central Railway for work done.	..	..	..
					(iv)	Comparable expenditure item (i) Minus item (ii) Minus (iii).	4,655.62	5,588.19	4,656.81

Sl. No.	Particulars	2007-08	2008-09	2009-10
(v)	Index of comparable expenditure (Per cent).	100.00	120.03	100.03
(vi)(a)	Performance measured in terms of standard 1st Class or units repaired—			
	Broad Gauge ..	268.82	281.24	298.22
	Metre Gauge ..	..	..	..
	Narrow Gauge ..	..	..	..
(b)	Performance measured per million equated engine kilometres—			
	Broad Gauge ..	1.87	1.88	1.77
	Metre Gauge ..	..	..	..
	Narrow Gauge ..	..	..	..
(c)	Performance measured per million Gross tonne kilometres—			
	Broad Gauge ..	0.006	0.006	0.006
	Metre Gauge ..	#DIV/0!	#DIV/0!	..
	Narrow Gauge ....	..	..	..

IV. Carriages—

(i)	Expenditure on Carriage Workshop Repairs.	14,191.93	20,521.04	25,029.86
(ii)	Proportionate amount of extraneous factors.	1,401.30	5,995.76	9,146.63
(iii)	Comparable expenditure (Item (i) minus Item (ii)).	12,790.63	14,525.28	15,883.23
(iv)	Index of Comparable expenditure (Per cent)	100.00	113.56	124.18
(v)	(a) Performance measured in terms of number repaired.			
	(1) Passenger Carriages (in terms of four-wheelers)			
	Broad Gauge	5,924.00	3,954.00	4,134.00
	Metre Gauge	238.00	164.00	74.00
	Narrow Gauge	..	..	..
	(2) Other Coaching Vehicles			
	Broad Gauge	306.00	171.00	185.00
	Metre Gauge	2.00	0.00	0.00
	Narrow Gauge	..	..	..
	(3) Performance of passenger carriage measured per million passenger train kilometres—			
	Broad Gauge	159.74	102.57	100.63
	Metre Gauge	125.86	125.48	116.90
	Narrow Gauge	..	..	..
	(4) Performance of other coaching vehicles measured per million vehicle kilometres—			
	Broad Gauge	9.27	1.45	5.00
	Metre Gauge	#DIV/0!	#DIV/0!	#DIV/0!
	Narrow Gauge	..	..	..
(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).	100.00	74.94	75.02

V. Wagons—

(i)	Expenditure on Wagon work-shop Repairs.	2,518.43	4,006.99	6,992.71
(ii)	Proportionate amount of extraneous factors.	248.67	1,170.75	2,555.34
(iii)	Debits raised by other Railways for POH of S. Rly. Wagons.	..	..	..

Sl. No.	Particulars	2007-08	2008-09	2009-10
(iv)	Comparable expenditure (Item (i) Minus item (ii) Minus (iii)).	2,269.76	2,836.24	4,437.37
(v)	Index of comparable expenditure (Per cent).	100.00	124.96	195.50
(vi)	(a) Performance measured in terms of number repaired			
	Broad Gauge	302.00	174.00	347.00
	Metre Gauge	0.00	0.00	0.00
	Narrow Gauge	..	..	..
	(b) Performance measured per million wagon Kms. (in terms of four wheelers)—			
	Broad Gauge ..	0.23	0.30	0.64
	Metre Gauge ..	0.00	#DIV/0!	#DIV/0!
	Narrow Gauge ..	..	..	..
	(c) Performance measured per million net tonne kilometres—			
	Broad Gauge ..	0.020	0.011	0.021
	Metre Gauge ..	0.000	0.000	0.000
(vi)	Weighted index of performance (weightage given on the basis of unit cost of repairs for the different gauge) (Per cent).	100.00	58.74	112.31
(vii)	Expenditure on other than loco carriage and wagon workshop repairs as booked.	31,856.80	46,228.89	56,871.52
(viii)	Proportionate amount of element of extraneous factors.	3,145.52	13,506.99	20,782.48
(ix)	Comparable expenditure (Item VII—Item VIII)	28,711.28	32,721.90	36,069.04
(x)	Index of comparable expenditure (Per cent).	100.99	113.97	125.70
(xi)	Gross tonne kilometres (All traction goods and proportionate of mixed plus passenger EMU and Rail Cars) (in millions).	74,331	74,331	82,526
(xii)	Index of Performance	100.93	100.00	111.03

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

(Figures in lakhs of ₹)

Particulars	Actuals 2007-08	Actuals 2008-09	Actuals 2009-2010
1. Gross expenditure under Grant No. 8.	24,497.61	35,349.95	42,583.84
2. Extraneous items to be excluded.—			
(a) Expenditure on Electrical services.	5,622.70	6,645.80	7,550.76
(b) Effect of Additional D. A. & I. R.	0.00	-1,427.50	-1,891.65
(c) Effect of PLB	0.00	352.40	267.44
(d) Increase in Cost of Stores	0.00	410.00	290.54
Total Item II ..	5,622.70	5,980.89	6,217.09
3. Comparable expenditure (Item 1 minus Item II).	18,874.91	29,369.06	36,366.75
4. Index of comparable expenditure (Per cent)	100.00	155.60	192.67
5. Performance measured in terms of Train kilometres.	61,627.00	63,510.00	64,900.00
6. Index of performance (per cent)	100.95	103.06	105.31

Grant No. 9—Operating Expenses—Traffic—

(Figures in lakhs of ₹)

Particulars	Actuals 2006-07	Actuals 2007-08	Actuals 2008-2009
1. Gross expenditure under Grant No. 9.	44,755.47	65,819.13	83,906.19
2. Extraneous items to be excluded.—			
(a) Effect of Additional D.A.&I.R.	0.00	-4,234.48	-5,267.69
(b) Effect of PLB	0.00	1,051.65	580.10
(c) Effect of IRCA & IRFC transaction			
I. R. C. A.	0.00	-2,860.25	-2,479.34
I. R. F. C.	0.00	3,516.00	8,649.00
Total Item II	0.00	-2,527.08	1,482.07
3. Comparable expenditure (Item I, minus Item II)	44,755.47	68,346.21	82,424.12
4. Index of comparable expenditure (Per cent).	100.00	152.71	184.17
5. Performance measured in terms of Train kilometres	61,627.00	63,510.00	64,900.00
6. Index of performance (Per cent).	100.00	103.06	105.31

Grant No. 10—Operating Expenses—Fuel

(Figures in lakhs of ₹)

Particulars	2007-08	2008-09	2009-10
I. Gross expenditure under Grant No.10—Operating Expenses—Fuel.	78,119.54	93,888.49	93,828.23
II. Extraneous factors contributing to increase/decrease in Gross expenditure —			
(1) Increase in rates of D. A. and I. R.	..	-33.41	-40.46
(2) Annual scale increase, Operating of posts and restructuring of cadre.	..	117.26	214.36
(3) Increase in other allowances	..	32.24	53.49

(Figures in lakhs of ₹)

Particulars	2006-07	2007-08	2008-09
(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.	..	72.15	150.30
(7) Increase in prime cost of Coal.	..	69.25	31.09
(8) Increase in prime cost of Diesel.	..	8,370.51	8,025.50
(9) Increase in average cess and sales tax on coal (due to revision of cess rate).	..	10.47	7.36
(10) Increase in average cess and Sales tax on H. S. D. oil (due to change of supply point).	..	-865.42	-546.11
(11) Revision of Electricity charges including penal levy.	..	2,240.07	1,133.82
(12) Throw forward debits of K. P. Dock.	..	..	..
(13) Increase in average issue rate of H. S. D. oil.	..	..	..
(14) Reduction in average rate due to change in pattern.	..	..	..
(15) Arrears payment freight charges on Bengal Rail Borne coal.	..	..	..
Total II	..	10,013.12	8,979.35
III. Comparable Expenditure (Item I—Item II).	78,119.54	83,875.37	84,848.88
IV. Index of Comparable expenditure.	100.00	107.37	108.61
V. Performance measured in terms of Gross Tonne Kilometer of all tractions (in Millions).	74,331	83,616	82,526
VI. Index of Performance	100.00	112.49	111.03



IV. NEW CONSTRUCTION AND ENGINEERING WORKS

New Lines Opened

Sl. No.	Name of Work	Cost ₹ in lakhs	Remarks
a) New lines opened during the year 2009-2010			
1.	MAS, SA, PGT, TVC, TPJ & MDU		Nil
2.	CAO/CN/MS and CE/CN/MS	..	Nil
3.	MTP-MRTS Phase II	..	Nil

2. New Lines Under Construction

Sl. No.	Division	Name of Works	Cost ₹ in lakhs	% of over all progress as on 2009-10	Remarks
1.	MAS	Nil			
2.	TVC	Nil			
3.	PGT	Nil			
4.	TPJ	Nil			
5.	MDU	Nil			
6.	SA	Nil			
7.	MTP	Extension of MRTS phase II from Velacheri to St. Thomas Mount.	495.74	15%	New works sanctioned in 2006-07, Physical work commenced in 2008-09.
8.	CN/MS	1. Tindivanam-Gingee-Tiruvannamalai (70 km) New line.	227.4	5%	New work included in Supp. Demand in the year 2006-07 at a cost of Rs.125 crores. 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 submitted to the Tamil Nadu state Government. After getting adequate land, mega tenders will be called. In the meantime, agency fixed for construction of four major bridges at Rs.9.62 crores and work are in progress.
		2. Tindivanam - Nagari (179.20 km) - New line.	582.83	4%	New work included in Supp. Demand in the year 2006-07 at a cost of Rs.456 crores. Detailed estimate sanctioned by Railway Board for Rs.582.83 crores for the entire project vide Railway Board letter No.2007/W1/NL/SR/TN dated 04.07.2008. Contracts for Palar Bridge (Rs.28.05 crs). Reach I Wallaja Road - Ranipet section (Rs.14.32 crs) Reach-II - Ranipet - Arcot section (14.80 crs) Construction of 4 major bridges between Walajah Road & Nagari (Rs.8.79 crores) and Cheyyar River & Kalavai Maduvu Nadhi in Vandavasi-Cheyyar-Arni section (Rs.11.56 crores) were awarded and works are in progress. For remaining section calling mega tenders will be planned after land acquisition.
		3. Attippattu-Puttur (88.3 kms)	446.87	0%	New work included in Pink Book in the year 2008-09 at a cost of Rs.446.87 crores. Estimate for FLS sanctioned by GM. Final location survey work completed. Physical execution of the project will be done by RVNL. Detailed estimate vetted by Finance sent to RVNL for further action at their end. Board's approval for execution of the work by RVNL is requested to be communicated early. Land requirements furnished to Andhra Pradesh and Tamilnadu State Governments.

Sl. No.	Division	Name of Works	Cost ₹ in lakhs	% of over all progress as on 2009-10	Remarks
New Lines Under Construction—Contd.					
4.		Erode – Palani (91.05 Kms.)	288.87	0%	New work included in Pink Book in the year 2008-09 at a cost of ₹ 288.87 crores. Part Estimate for FLS and other works sanctioned. Final location survey and soil investigation etc. completed and estimate is under preparation. Physical execution will be taken up after acquisition of adequate land and after getting sanction of the detailed estimate.
5.		Chennai–Cuddalore(via) Mahabalipuram (179.28 kms.).	423.52	0%	New work included in Pink Book in the year 2008-09 at a cost of ₹ 523.52 crores. 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 Mahabalipuram connecting the Chennai Beach-Villupuram section at Chengalpattu and the proposed new BG line from Chennai Perungudi to Cuddalore at Mahabalipuram. Tender for conducting final location survey from Chennai (Perungudi) to Cuddalore (via) Mahabalipuram and the link from Chengalpattu to Mahabalipuram is opened and discharged since there was no eligible tenderers. Retendering for FLS from Chennai to Cuddalore (via) Mahabalipuram is in progress. Seperate tender for conducting PET from Chengalpattu to Mahabalipuram will be called after getting the approval from Railway Board.
6.		Tirunnavaya-Guruvayur New line (35 kms).	137.71	0%	After objection from locals and High Court, the alignment of Tirunavaya to Guruvayur (35 kms) was approved by the Kerala State Government only in April'09 after a delay of 14 years. For the first 8 kms, alignment finalised and land requirement furnished to the Kerala Government. Part estimate for Guruvayur to Kunnankulam is under process. For the remaining 27 kms, final location survey is held up due to public protest. Kerala Government informed for assistance to sort out local protest but in vain. After completion of Final location survey, estimate will be prepared. After sanction of estimate and after handing over of the land, tenders can be invited for execution of works, after which it would take 3 years to complete the project. General Manager, Southern Railway held a meeting with Chief Minister of Kerala on 10.09.2009 to seek assistance from the State Government in executing the Railway Project in Kerala. Situation is expected to improve. Hon'ble CM conducted a meeting of people's representative to sort out the issues.
7.		Karur-Salem New Line (85 kms.).	613.11	60%	Estimate for ₹ 229.88 crores sanctioned by Board. All pending alignment court cases regarding land acquisition were disposed & Rlys have taken physical possession of required land. Extra compensation court cases - out of 1300 cases, 240 cases finalised. Balance are pending in various courts. Contracts for almost all works (mostly mega contracts) finalised and works are progressing over entire length. Rails, Sleepers and other track materials could not be supplied to this project even though organisation is ready for about 50% of the route in view of adequate outlay for 2009-10 even after enhancements. Some more land acquisition is to be done for the purpose of shifting of electric transmission cable and for ROBS/RUBS.

Sl. No.	Name of Work	Cost ₹ in lakhs	% of over all progress as on 2009-10	Remarks
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New Lines Under Construction—Concl'd.

8.	Angamali-Sabarimala New Line (116 kms.).	550.00	3%	<p>1. Railway Board's procedural approval was obtained. Forest department is not allowing Railways to pass through Tiger Reserve Forest. So Board has decided to terminate the new line at Azhutha vide Board's letter No.W.93/W1/Survey/SR II dated 07.01.2004. Final location survey was completed upto Azhutha. Working plan and section approved. Railway Board has sanctioned the part detailed estimate for ₹ 517.70 crores (for major heads) vide Board letter No.93/W1/Survey/SR/11 dated 17.05.2006.</p> <p>2. Only 7.83 Hectares of land out of the total requirement of 517 Hectares have been handed over by the State Government of Kerala.</p> <p>3. Railways have already deposited with the State Government of Kerala an amount of Rs.49.60 crores as against the tentative cost of land acquisition of ₹ 400 crores. The estimate provision is only ₹ 45.00 crores.</p> <p>4. After getting adequate land from the State Government, further tenders will be called.</p> <p>5. At present, only the Earthwork and Minor bridges for a short stretch of about 5 km. from Angamali at a cost of ₹ 5 Crs. are in progress and will be completed 31.12.10.</p> <p>6. The State Government has also been requested as to whether the alignment is to be taken up to Azutha or terminated at Erumeli itself, as there is opposition from forest department.</p> <p>7. The orders of High Court of Kerala to dispose of representations in WP(c) 735 is yet to be jointly complied by Ministry of Railways & Ministry of Environment & Forests. The time set for this by the High Court is 03.05.2010.</p>
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New Lines sanctioned works during 2009-10

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

Sl. No.	Name of Work	Cost ₹ in lakhs	Remarks
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3. Surveys**(a) Surveys sanctioned during the year 2009-10**

1.	Preliminary Engineering cum Traffic Survey for a new BG line between Madurai and Ernakulam (Cochin).	60.00	Sanctioned vide Railway Board letter no.2009/WI/Genl/Surveys/09-10 dt.16.09.2009.
2.	Preliminary Engineering cum Traffic Survey for a new BG line between Erumeli- Pathanamthitta-PunalurThiruvananthapuram.	40.80	Sanctioned vide Railway Board letter no.2009/WI/Genl/Surveys/09-10dt.16.08.2009.

Sl. No.	Name of Work	Cost ₹ in lakhs	% of over all progress as on 2009-10	Remarks
Surveys—Concl'd.				
3	Updating of Reconnaissance Engineering cum Traffic Survey for Doubling of Thanjavur - Ponmalai (GOC) section with a bye pass line before GOC to connect the chord line.	4.696		Sanctioned vide Railway Board letter no.2009/WI DL/SR/TP dt.14.10.2009.
b) Surveys in progress during the year 2009-10				
1.	Preliminary Engineering cum Traffic Survey for a new BG line between Madurai and Ernakulam (Cochin).	60.00		Survey estimate sanctioned Tender Schedule sent to Finance for vetting, finance approval is yet to be received.
2.	Preliminary Engineering cum Traffic Survey for a new BG line between Erumeli-Pathanamthitta - Punalur Thiruvananthapuram.	40.80		Survey estimate sanctioned Tender Schedule sent to Finance for vetting, finance approval is yet to be received.
3.	Updating of Reconnaissance Engineering cum Traffic Survey for Doubling of Thanjavur - before GOC to connect the chord line.	4.696		Updating of survey estimate sanctioned. Bye pass alignment is set out. The proposed by pass alignment drawing sent to CTPM for approval and estimate vetted by Finance and IRR is under process.
c) Surveys completed during the year 2009-10				
1.	Updating of Reconnaissance Engineering-cum-Traffic Survey for a new BG line from Madurai-Tuticorin via Arupikottai.	45,676.00		Report submitted to Railway Board on 30.04.2009. Railway Board advised to update the survey. Clarification sought by Railway Board vide letter No. 2009/W1/NL/SR/MT dt. 14.05.2009. Updated report submitted to Railway Board on 12.10.2009 and observations sought for by Railway Board vide letter dt. 28.10.2009 has been replied on 09.11.2009. Railway Board's decision is awaited.
2.	Reconnaissance Engineer-cum Traffic Survey for a new BG line from Chidambaram-Attur via Ariyulur, Perambalur.	1,04,992.00		Report submitted to Railway Board on 23.06.2009. Railway Board's decision is awaited.
3.	Reconnaissance Engineer-cum Traffic Survey for a new BG line from Angadipuram-Kanniyakumari.	82,337.00		Report submitted to Railway Board on 23.06.2009. Railway Board's decision is awaited.
4.	Reconnaissance Engineer-cum Traffic Survey for a new BG line from Kanjangad-Panathur.	38,530.00		Report sent to Railway Board on 26.06.2009. Railway Board's decision is awaited.
5.	Survey for doubling of Trivandrum-Kanniyakumari.	52,666.00		Report sent to Railway Board on 31.07..2009. Railway Board has shelved the project vide letter No. 2009/W1/DL/SR/TK dt. 01.12.2009.
6.	Preliminary Engineering-cum-Traffic Survey for automatic signalling and construction of 3rd line between Jolarpettai-Katpadi-Arakkonam.	95,795.00		Report sent to Railway Board on 27.10.2009. Railway Board's decision is awaited.
7.	Updating of Reconnaissance Engineering-cum-Traffic Survey for a new BG line between Madurai and Kottayam via Bodinayakkanur and Thodupuzha-Bodinayakkanur-Kottayam.	1,22,962.00		Railway Board vide letter No. 2006/I/NL/SR/MK dt. 08.09.2009 has advised to recast Survey Report from Bodinayakkanur to Kottayam via Thodupuzha and Pala section. Updated survey report was submitted to Railway Board on 19.01.2010. Railway Board's decision is this connection is awaited.

4. Lines Closed During the year 2009-2010

Sl. No.	Division	Station & Name of Work	Cost in Lakhs
1	MAS	Nil	
2	Salem	Nil	
3	Palghat	Nil	
4	Trivandrum	Nil	
5	Tiruchchirappalli	Nil	
6	Madurai	Nil	
7	CN/MS	Nil	
8	MTP	Nil	

5. Progress of Major Project Works upto 31-3-2010

Sl. No.	Name of work	Estimated Cost (₹ in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2010 (₹ in Lakhs)	Physical Progress (%)	Remarks
1.0 New Lines							
1.	Tindivanam-Gingee-Tiruvannamalai (70 km) - New line.	22740	Supp. D. No. 2006-07	Work in progress	1267	5	Details of land acquisition submitted to the Tamil Nadu state Government. After getting adequate land, mega tenders will be called. In the meantime, Agency fixed for construction of four major bridges at ₹9.62 crores and works are in progress.
2.	Tindivanam - Nagari (179.20 km) - New line.	58283	Supp.D.No. 2006-07	Work in progress	2822	4	Contracts for Palar Bridge (₹28.05 crs.), Reach I - Walajah Road - Ranipet section (₹14.32 crs.), Reach II - Ranipet - Arcot section (₹14.80 crs.), construction of 4 major bridges between Walajah Road & Nagari (₹8.79 crores) and Cheyyar River & Kalavai Maduvu Nadhi in Vandavasi- Cheyyar - Arni section (₹11.56 crores) were awarded and works are in progress. For remaining section calling mega tenders will be planned after land acquisition.
3.	Attipattu - Puttur (88.3 kms)	44687	2008-09	Work in progress	78	0	Estimate for FLS sanctioned by GM. Final Location Survey work completed. Physical execution of the project will be done by RVNL. Detailed estimate vetted by Finance sent to RVNL for further action at their end. Board's approval for execution of the work by RVNL is requested to be communicated early. Land requirements furnished to Andhra Pradesh and Tamil Nadu State Governments.
4.	Erode - Palani (91.05 kms)	28887	2008-09	Work in progress	2	0	Part estimate for FLS and other works sanctioned. Final Location Survey and soil investigation etc., completed and estimate is under preparation. Physical execution will be taken up after acquisition of adequate land and after getting sanction of the detailed estimate.
5.	Chennai - Cuddalore (via) Mahabalipuram (179.28 kms).	52352	2008-09	Work in progress	7	0	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 Mahabalipuram connecting the Chennai Beach - Villupuram section at Chengalpattu and the proposed new BG line from Chennai Perungudi to Cuddalore at Mahabalipuram. Tender for

Sl. No.	Name of work	Estimated Cost (₹ in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2010 (₹ in Lakhs)	Physical Progress (%)	Remarks
New Lines—Contd.							
							conducting final location survey from Chennai (Perungudi) to Cuddalore (via) Mahabalipuram and the link from Chengalpattu to Mahabalipuram is opened and discharged since there was no eligible tenderers. Retendering for FLS from Chennai to Cuddalore (Via) Mahabalipuram is in progress. Separate tender for conducting PET from Chengalpattu to Mahabalipuram will be called after getting the approval from Railway Board.
6.	Tirunnavaya - Guruvayur New Line (35 kms).	13771	1995-96	Work in progress	919	0	After objection from locals and High court, the alignment of Tirunavaya to Guruvayur(35 kms.) was approved by the Kerala State Government only in April '09, after a delay of 14 years. For the first 8 Kms. alignment finalised and land requirement furnished to the Kerala Government. Part estimate for Guruvayur to Kunnankulam is under process. For the remaining 27 Kms. Final location survey is held up due to public protest. Kerala Government informed for assistance to sort out local protest but in vain. After completion of Final Location Survey, estimate will be prepared. After sanction of estimate and after handing over of the land, tenders can be invited for execution of works, after which it would take 3 years to complete the project. General Manager, Southern Railway held a meeting with Chief Minister of Kerala on 10/9/2009 to seek assistance from the State Government in executing the Railway Project in Kerala. Situation is expected to improve. Hon'ble CM conducted a meeting of people's representative to sort out the issues.
7.	Karur - Salem New Line (85 kms)	61311	1996-97	Work in progress	34130	60	All pending alignment court cases regarding land acquisition were disposed & Rlys. have taken physical possession of required land. Extra compensation court cases - out of 1300 cases, 240 cases finalised. Balance are pending in various courts. Contracts for almost all works (mostly mega contracts) finalised and works are progressing over entire length. Rails, Sleepers and other track

Sl. No.	Name of work	Estimated Cost (₹ in Lakhs)	Started in year	Completed in year	Expenditure upto March 2010 (₹ in Lakhs)	Physical Progress (%)	Remarks
New Lines—Concl'd.							
8.	Angamali-Sabarimala New Line (116 Kms)	55000	1997-98	Work in progress	6214	3	<p>materials could not be supplied to this project even though organisation is ready for about 50% of the route, in view of adequate outlay for 2009-10 even after enhancements. Some more land acquisition is to be done for the purpose of shifting of electric transmission cable and for ROB/RUBs.</p> <p>(1) Railway Board's procedural approval was obtained. Forest department is not allowing Railways to pass through Tiger Reserve Forest. So Board has decided to terminate the new line at Azhutha vide Board's letter No.W.93/W1/Survey/SR II dated 7/1/2004. Final location survey was completed upto Azhutha. Working plan and section approved. Railway Board has sanctioned the part detailed estimate for progress ₹ 517.70 crores (for major heads) vide Board letter No.93/W1/Survey/SR/11 dated 17/5/2006. (2) Only 7.83 Hectares of land out of the total requirement of 517 Hectares have been handed over by the State Government of Kerala. (3) Railways have already deposited with the State Government of Kerala an amount of ₹ 49.60 crores as against the tentative cost of land acquisition of ₹ 400 crores. The estimate provision is only ₹ 45.00 crores. (4) After getting adequate land from the State Government, further tenders will be called. (5) At present, only the Earthwork and minor bridges for a short stretch of about 5 Km. from Angamali at a cost of ₹ 5 Crs are in progress and will be completed 31/12/10. (6) The State Government has also been requested as to whether the alignment is to be taken up to Azutha or terminated at Erumeli it self, as there is opposition from forest department. (7) The orders of High Court of Kerala to dispose of representations in WP(C)735 is yet to be jointly complied by Ministry of Railways & Ministry of Environment & Forests. The time set for this by the High Court is 3/5/2010.</p>

Sl. No.	Name of work	Estimated Cost (₹ in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2010 (₹ in Lakhs)	Physical Progress (%)	Remarks
2.0 Gauge Conversion							
1.	Tiruchchirappalli - Manamadurai - Gauge Conversion (150 Kms.).	41549	2000 - 01	TPJ- KKDI:2007 KKDI-MNM: 2008	38345	100	The section between Tiruchirappalli and Pudukottai (53 kms.) was opened for passenger traffic on 5/1/2007 and the section between Pudukottai and Karaikudi also completed and opened for passenger traffic on 19/5/2007. KKDI - MNM section was inaugurated on 2/7/2008 for passenger traffic and handed over to Open line on 19/3/2010. Residual works are in progress.
2.	Villupuram - Katpadi - Gauge Conversion (161 Kms.).	50214	2000 - 01	Completed Passenger Traffic to be authorised.	47541	98	Work completed between Katpadi & Vellore (10kms.) section with electrification and opened for passenger traffic on 10/11/2008 and handed over to Open line on 5/03/2009. CRS has inspected Villupuram - Vellore Cantonment section (150 Kms.) of Villupuram -Katpadi Gauge Conversion project from 29/3/2010 to 1/4/2010. Authorisation awaited.
3.	Manamadurai - Virudhunagar - Gauge Conversion (66.55 Kms.).	29318	2006-07	Work in progress	10822	23	Two mega contracts including Civil, S&T and Electrical items awarded in March 2008 and work in progress.
4.	Dindigul - Pollachi - Palghat - Pollachi & Coimbatore - Gauge Conversion (224.88 Kms.).	63900	2006-07	Podanur- Coimbatore: Completed. Works are in progress in section.	19086	20	Estimate sanctioned. NI working at Podanur & Coimbatore completed and section commissioned. With this conversion, the Coimbatore - Podanur section is doubled. The MG train service from Pollachi to Palghat has been suspended from 15/12/2008 and Dindigul - Pollachi - Podanur has also been suspended from 26/5/09. Target for Pollachi - Palghat section (58kms) is fixed as 31/12/2010 and for the remaining section is 29/2/2012. For remaining section contract for about 75% of the total civil Engineering works have been finalised. Contract for remaining works are being fixed in due course.
5.	Mayiladuthurai -Thiruvavarur- Karaikudi and Thiruthuraipoondi - Agasthiampalli (224 kms.).	71115	2007-08	Work in progress	4336	26	Work included in the budget 2007-08 at a cost of ₹ 404.19 crores. Part detailed estimate for Mayiladuthurai-Ti. uvarur was sanctioned by Railwa. Board. Another part detailed estimate for Thiruvavarur - Thiruthuraipoondi - Karaikkudi and Thiruthurai, oondi - Agasthiyampalli sent to Rly. Board for sanction. Railway Board have advised to review the facilities & scope of work critically, so as to bring in economy. Action is being taken

Sl. No.	Name of work	Estimated Cost (₹ in Lakhs)	Started in year	Completed in year	Expenditure upto March 2010 (₹ in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Contd.							
							accordingly and Railway Board will be advised shortly. MG Railway traffic between Mayiladiturai - Tiruvaru was suspended from 8/6/2009 and works are in progress. Final location survey for balance portion i.e. Tiruvarur-Karaikudi section in progress. Mega tenders for earthwork, bridges, station building and platform work in Mayiladiturai - Tiruvarur section, contract award and works are in progress.
5.	Mayiladuthurai -Thiruvarur- Karaikudi and Thiruthuraipoondi - Agasthiampalli (224 kms.).	71115	2007-08	Work in progress	4336	26	Work included in the budget 2007-08 at a cost of ₹ 404.19 crores. Part detailed estimate for Mayiladuthurai-Tiruvarur was sanctioned by Railway Board. Another part detailed estimate for Thiruvarur - Thiruthuraipoondi - Karaikkudi and Thiruthuraipoondi - Agasthiyampalli sent to Rly. Board for sanction. Railway Board have advised to review the facilities & scope of work critically, so as to bring in economy. Action is being taken accordingly and Railway Board will be advised shortly. MG Railway traffic between Mayiladiturai - Tiruvaru was suspended from 8/6/2009 and works are in progress. Final location survey for balance portion i.e. Tiruvarur-Karaikudi section in progress. Mega tenders for earthwork, bridges, station building and platform work in Mayiladiturai - Tiruvarur section, contract award and works are in progress.
6.	Madurai - Bodinayakkanur (90.41 kms.)	20090	2008-09	Work in progress	0	0	Detailed estimate for ₹ 200.90 crores submitted to Railway Board on 25/7/2008. Railway Board have sanctioned part estimate for making preliminary expenses and major bridges on 24/2/2009. One Tender for a major bridge No.154 (9x21.2m PSC box) has been awarded and work is commenced.
7.	Tiruchchirappalli - Thanjavur - Nagore - Karaikal (157Kms) with extension Nagapattinam-Velankanni-Tiruthuraipundi via Tirukkuvalai(43 Kms.).	54896	1995 - 96	Tiruchchirappalli - Thanjavur - Nagore: Completed. For remaining section works are in progress.	38928	90	Revised estimate for all the above sections submitted to Board for ₹ 535.13 crores on 13/4/2009. Railway Board have advised this Railway vide letter No.92/W1/GC/S/25 dt.16/11/2009 to review the facilities & scope of work critically, so as to bring in economy. Reply sent to Board

Sl. No.	Name of work	Estimated Cost (₹ in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2010 (₹ in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Contd.							
							<p>vide this office letter No. W.193/T/1/CN/Vol.VI dated 7/1/2010. Sections Opened: (i) Thiruchchi-rappalli - Thanjavur new paralel BG (50kms) on 1/1/1998. (ii) Thanjavur - Tiruvarur (55kms.) on 12/1/2007. (iii) Tiruvarur - Nagore (30.37 Kms.) on 27/2/2009. (iv) Nagore-Karaikal Port- Freight traffic com-missioned on 27/1/2010. Progress of Works: (i) Naga-pattinam - Velankanni - works completed and engine rolled on 28/2/2010. As the mobile Flash butt welding agency (M/s.India Thermit Corporation) has not turned up, welding could not be done. Hence, 10 rail panels are proposed to be despatched from Arakkonam welding plant later in April 2010, with which TRR will have to be done. Hence, commisioning can be done only by May/ June 2010. (ii) Nagore - Karaikkal: Works are in progress and the section - Target for completion: 30/9/2010. (iii) Nagapattinam - Thiruththurai-pundi (via) Thirukkuvalai: Pro-posal for Land acquisition has been submitted to State Govern-ment. Tenders will be called af-ter Land is made available. In the meantime, contract for major bridge across Adappar River has been fixed as site is already avail-able and work just commenced for the major bridges. One more mega tender valued at ₹ 40 cr. has been called for other major and minor bridges.</p>
8.	Quilon - Tirunelveli - Tiruchendur & Tenkasi - Virudhunagar - Gauge Conversion (357 Kms.).	89942	1997 - 98	VPT-R JPM:2003, RJPM-TSI:2004, TEN-SCT:2008 & TEN-TCN:2008	54908	75	<p>Sections Opened: (1) Gauge Converted section between Virudhunagar and Rajapalayam (52 kms) was opened for pas-senger traffic on 1/6/2003. (2) Gauge Converted section be-tween Rajapalayam -Tenkasi (69 Km) was opened for passenger traffic on 20/9/2004. (3) The sec-tion between Tenkasi-Sencottai (8 Kms) opened for passenger traffic on 07/02/2008. (4) The section between Tirunelveli and Tiruchendur(61.21 kms) was opened for passenge. traffic on 27/09/2008. Secti ns in Progress: (1) Quilon - Punalur section - All works comi leted. CRS inspected the section on 24/3/2010 & 25/3/2010. Authorisation received.</p>

Sl. No.	Name of work	Estimated Cost (₹ in Lakhs)	Started in year	Completed in year	Expenditure upto March 2010 (₹ in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Contd.							
							(2) Tirunelveli - Tenkasi section - Works are in progress. MG section closed on 1/1/09. Target : 31/12/2010. (3) Sengottai - Punalur section - Mega Tenders for various works in the section have been opened and under finalisation.
9.	Madurai - Rameswaram - Gauge Conversion (161 kms.).	33327	1997 - 98	MDU- MNM:2005 & MNM-TMM: 2007	34210	99	The section between Madurai - Manamadurai was opened for passenger traffic on 30/4/2005. The section between Manamadurai and Rameswaram (114 kms.) opened for passenger traffic on 12/8/2007. Residual works are nearing completion.
10.	Thanjavur - Villupuram Gauge Conversion (192 Kms) (RVNL Project)	42590	1998 - 99	TJ- KMU:2004, KMU- MV:2006 & MV-VM: Work completed & yet to be commissioned.	12232	45	Thanjavur - Kumbakonam Section (39 kms.) was opened for passenger traffic on 2/5/2004. GC work between Kumbakonam & Mayiladuthurai (31 kms.) has been inaugurated and opened for passenger services on 17/6/2006 and handed over to Division on 27/2/2008. Gauge conversion of Villupuram - Mayiladuthurai (122 kms.) section is being executed by RVNL. Documents for minor sanctions for all stations submitted to CRS. Work completed fully and the section commissioned for freight traffic on 31/12/2009. Preliminary CRS inspection was completed on 26/2/2010 and 27/2/2010. CCRS has inspected the section on 16/3/2010 & 17/3/2010 and authorised for opening of the section. Section is ready for running of passenger carrying trains.
11.	Cuddalore - Salem - Gauge Conversion (191 kms.) (RVNL Project).	55664	1999 - 2000	VRI-CUPJ port:2003 & VRI-SA:2007	24493	93	Vriddhachalam - Vadalur (27 km.) was opened for traffic on 06/1/2003. Vadalur - Cuddalore Port Junction (30 Km.) was opened for Passenger traffic on 29/12/2003. The section between Salem and Attur has been executed by RVNL. 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 S. Railway between VRI-Attur (83.02km.). Vriddhachalam - Salem section (134 km.) is opened for passenger traffic on 18/11/2007. Material modification estimate for providing new BG line between Chinnasalem and Kallakurichi was sanctioned by

Sl. No.	Name of work	Estimated Cost (₹ in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2010 (₹ in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Contd.							<p>Railway Board for ₹ 37.13 crores on 19/1/2006. The State Government has agreed to share 50% of cost vide letter (MS) No.51 dated 21/2/2007. A lot of representations (including from Hon'ble MP) have been received requesting for modification of alignment. Hence, it is proposed to conduct Final Location Survey in the alternative alignment also and after discussion with the State Government, final alignment will be chosen where land acquisition will be easier.</p>
12.	Chennai Beach - Tambaram - Chengalpattu Suburban Gauge Conversion (60 kms.) (Under MTP Plan Head)	52000	1998 - 99	MS - TBM (50kms.) Completed & commissioned.	39970	89	<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 3-3-2001. 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 Km.) 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 1/11/2004. 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: (i) Harrington RUB - completed and commissioned. (ii) Rangarajapuram ROB - work is in progress. (iii) Rangarajapuram RUB - fresh tender is under finalisation. (iv) Jones Road RUB - Work completed and commissioned on 11/12/2009. (v) Maduvangarai ROB - work completed and commissioned. (vi) Jain College RUB - Work completed and commissioned on 06/01/2010. (vii) Trisulam ROB - Railway portion GAD approved. Tender to be called. Approach GAD under revision. (viii) Pallavaram ROB (Goods shed Road) - Railways: Substructure work completed. Superstructure work will be taken up after CRS's sanction. Approaches work nearing completion.</p>

Sl. No.	Name of work	Estimated Cost (₹ in Lakhs)	Started in year	Completed in year	Expenditure upto March 2010 (₹ in Lakhs)	Physical Progress (%)	Remarks
	Gauge Conversion—Concl.						<p>(ix) Pallavaram RUB - Work completed and commissioned. (x) Dharga Road RUB - Railway works completed. Approaches work yet to be started. (xi) Vaishnava College ROB - Railway portion completed and approaches are in progress. (xii) Radha Nagar RUB - Works are in progress. (xiii) Tambaram Sanatorium ROB - Work completed and opened to traffic. (xiv) Tambaram - Velachery Road ROB - work is in progress. 2. Cost of the Gauge Conversion is about ₹ 370 crores and cost of the 14 ROB/RUBs is about ₹ 150 crores, totalling ₹ 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, <i>vide</i> letter No.T.143/MAS/MS/Elevated Line dated 16/7/2004. Board were appraised <i>vide</i> CAO/CN/MS letter No.W/337/1/122/CN/Vol.III dated 21/2/2005. Reply from Railway Board in this connection is still awaited. (c) GM/MAS <i>vide</i> his DO letter No.GM/2005/RB dated 28/4/2005 addressed to CRB, has recommended for dropping of this work of BG link between Chennai Central and Chennai Egmore. (d) Railway Board <i>vide</i> their letter No.99/Proj/MAS/2/3 dated 30/8/2005 have asked to get the technical feasibility of connection studied through RITES. A consultancy contract has been awarded to RITES for the same <i>vide</i> 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. (f) RITES has been advised to interact with State Govt. agencies like PWD, CMDA & Corporation of chennai regarding proposed alignment and layout of MAS - MS BG link. (g) The State Govt. advised that this project is</p>

Sl. No.	Name of work	Estimated Cost (₹ in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2010 (₹ in Lakhs)	Physical Progress (%)	Remarks
							not feasible in view of the Metro Rail Project crossing through Poonamalli High Road. h) 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 10/5/2007.
3.0 Doubling							
1.	Ernakulam - Mulanturutti Doubling (17.37 kms.).	12083	2001 - 02	Completed	9151	99	Part work of doubling between C & D cabins at ERS already completed and commissioned on 12/6/2006, IPN line commissioned on 1/5/2007. The doubling project between Ernakulam - Mulanturutti has been completed, CRS cleared, NI working at all three stations completed and section has been doubled.
2.	Pattabiram - Tiruvallur - 4th line (15.06 kms.) and Tiruvallur - Arakkonam 3rd line (26.83 Kms) (RVNL Project).	7194	2002 - 03	PAB- TRL:2004 & TRL-AJJ:2010	3759	98	The quadrupling work of Pattabiram-Tiruvallur section (16km.) have been completed and opened on 18/9/2004. Works in Tiruvallur - Arakkonam section being executed by RVNL. Work completed and Freight traffic has been commenced. CRS inspected the section on 7/3/2010. Authorisation letter received and third line commissioned.
3.	Chennai Beach - Korukkupet III line (4.1 kms.).	8570	2003 - 04	Work in progress	22	0	This work was originally allotted to RVNL for execution. Railway Board vide their letter No. 2005/W1/RVNL/13 dated 7/4/2006 have advised Southern Railway to take up the execution. Action has been taken accordingly. Original detailed estimate at a cost of ₹ 85.70 crores has been sent to Board on 3/8/2007 for sanction. Modified detailed estimate for an amount of ₹ 53.60 crores sent to Railway Board vide this office letter No.W.193/111/20/CN dated 31/12/2008. Board's queries on estimate have been replied on 25/5/2009 and Board's sanction for the detailed estimate is awaited. 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.22/4/2009. After

Sl. No.	Name of work	Estimated Cost (₹ in Lakhs)	Started in year	Completed in year	Expenditure upto March 2010 (₹ in Lakhs)	Physical Progress (%)	Remarks
Doubling—Contd.							
							detailed estimate is sanctioned by Board, then new building for printing press will be built and existing building will be dismantled and land will be handed over to the port. After this, the port land will be taken over and then only third line project can be commenced.
4.	Mavelikara - Kayankulam (7.89 kms)	6294	2003 - 04	Work in progress	5392	99	All works completed. CRS inspected the section on 26/3/2010. Authorisation awaited.
5.	Cheppad - Kayankulam (7.76 kms)	4554	2003 - 04	Work in progress	3097	71	Earthwork completed. Retender called for Ballast and Track linking work and are opened and under finalisation. S&T works are in progress. Construction of major Br. No. EAK263 is the critical activity & is planned to be completed by 30/6/2010. Because of frequent interference in the movement of trucks, bridge works got slowed down. There was a detailed meeting by General Manager, Southern Railway with Hon'ble Chief Minister of Kerala on 10/9/2009 and 30/03/2010. Even with such meeting the progress has been sluggish. Hence, the completion/ commissioning of the project will be only by 30/9/2010.
6.	Mavelikara - Chengannur - Patch Doubling (12.3 kms.).	6148	2003 - 04	Work in progress	4957	56	Progress of works are slowed down due to the local resistance against earth quarrying. Resistance to quarrying of earth still continues. Hence, contractors stopped earth/ bridge works and approached High Court. High Court orders police protection. Accordingly, work recommenced and is in progress with police protection. General Manager, Southern Railway held a meeting with Chief Minister of Kerala on 10/9/2009 and 30/3/2010 to seek assistance from the State Government in executing the Railway Project in Kerala. Situation is improving.
7.	Cheppad - Haripad - Patch Doubling (5.28 kms.).	2928	2003 - 04	Work in progress	1544	65	All works are in progress. Progress of works are slowed down due to the local resistance against earth quarrying. This resulted in delay in taking up track works. Only now, the earthwork is nearing completion. Ballasting, track works, welding, packing etc., are to be taken up from now onwards. Hence, the completion will be by 30/9/2010 only. General Manager, Southern

Sl. No.	Name of work	Estimated Cost (₹ in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2010 (₹ in Lakhs)	Physical Progress (%)	Remarks
Doubling—Contd.							
							Railway held a meeting with Chief Minister of Kerala on 10/9/2009 and 30/3/2010 to seek assistance from the State Government in executing the Railway Project in Kerala. Situation is improving.
8.	Chennai Beach - Attipattu 4th Line (22.1 Kms.).	10242	2003-04	Work in progress	22	0	This work was originally allotted to RVNL for execution. Railway Board vide their letter No. 2005/W1/RVNL/13 dated 7/4/2006 have advised Southern Railway to take up the execution. Action has been taken accordingly. Original detailed estimate for detailed 102.42 crores sent to Board vide letter No.W.193/III/19/CN dated 16/10/2007 for sanction. Modified detailed estimate for an amount of ₹ 102.95 crores sent to Railway Board vide this office letter No. W.193/111/19/CN dated 31/12/2008. Board's queries on estimate have been replied on 25/5/2009 and Board's sanction for the detailed estimate is awaited. 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.22/4/2009. After detailed estimate is sanctioned by Board, then new building for printing press will be build and existing building will be dismantled and land will be handed over to the port. After this, the port land will be taken over and then only third line project can be commenced. Tenders will be called after sanction of detailed estimate by Board and after getting the land as mentioned. A proposal to float tender for major bridge work across Ennore Creek pending sanction of Railway Board has been sent to finance for concurrence to take GM's sanction.
9.	Mullanturutti - Kuruppantara Doubling (24 kms.).	17395	Supp. Demands for grants 2005-06	Work in progress	2552	0	Requisition for land acquisition for 11.50 Hectares has been given. Mega tender including Electrical, S&T and other work invited but no response. Tenders invited for one major bridge and 3 minor bridges where Railway Land is available and opened on 14/10/08 are finalised. Work has been

Sl. No.	Name of work	Estimated Cost (₹ in Lakhs)	Started in year	Completed in year	Expenditure upto March 2010 (₹ in Lakhs)	Physical Progress (%)	Remarks
Doubling—Contd.							awarded for the construction of major bridge No.402 on 6/02/09 and for major bridges Nos.360 & 367 and Minor bridges Nos.368 and 388 on 23/3/2009. Works are in progress for Br. No.388 & 360. Br. No.388 - Substructure completed. Br.No.360 - All piles and pile load test completed. 1 pile cap completed and 2nd in progress. Br.No.372 - All piles completed, pile cap is in progress. Work has been started for Br. No.397, 433 & 435. General Manager, Southern Railway held a meeting with Chief Minister of Kerala on 10/9/2009 and 30/3/2010 to seek assistance from the State Government in executing the Railway Project in Kerala. Situation is expected to improve. Land yet to be handed over.
10.	Chengannur - Chingavanam Doubling (26.5 kms.).	14867	2006-07	Work in progress	2938	0	Requisition for land acquisition for 18.88 Hectares has been given & no land has been handed over so far. Tenders for Br. Nos. 148 & 151 were awarded on 19/2/09 and for Br. Nos.150 & 153 on 28/4/09. Work has been started for Br. No.150 and all piles completed. Pile load test and pile cap works completed. 36/36 piles, load test & 2 pile cap completed for Br. No.153. Work has been awarded for Bridge Nos. 160 & 161 on 30/11/2009. Tenders are under finalisation for Bridge Nos.174,182 & 197. 2/24 piles completed for Br. No.151. General Manager, Southern Railway held a meeting with Chief Minister of Kerala on 10/9/2009 and 30/03/2010 to seek assistance from the State Government in executing the Railway Project in Kerala. Situation is expected to improve. Land yet to be handed over.
11.	Kankanadi - Panambur section Patch Doubling (19 kms)	14920	Supp. Demands for grants 2006-07	Work in progress	67	0	Plan is under preparation. Tender for Final location survey is under process. Tenders for certain works where land is available have already been invited and work order for 2 reaches (Br. No.24 to Br. No.28 and Br. No.28 to Br. No.31) has already been awarded and Contractor has just started preliminary works. Remaining tenders are likely to be finalised shortly.

Sl. No.	Name of work	Estimated Cost (₹ in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2010 (₹ in Lakhs)	Physical Progress (%)	Remarks
Doubling—Contd.							
12.	Chengalpattu - Villupuram (103 km) - Doubling.	37517	Supp. Demands for grants 2006-07	Work in progress	23515	5	COM/MAS has requested to do crossing station work at Vikkravandi and Maduranthakam urgently as part of the doubling work and complete the work as early as possible. CTPM/MAS wants us to complete Goods facilities at Mundiampakkam before removing Goods handling facilities at VM. Contracts awarded for Madhuranthagam Yard, Vikkaravandi Yard on 19/5/2008 and Mundiambakkam Yard on 2/6/2008 and Melmaruvathur station yard on 5/11/2008 and works are in progress. About 26 Hectares of land to be acquired by Tamilnadu state Government and handed over to Railways. Besides, difficulties in getting earth quarry permits affect earth work.
13.	Kuruppanthara - Chingavanam (26.54 Kms.).	9920	2007-08	Work in progress	374	0	30 hectares of land will have to be acquired by State Government for which requisition has already been given.
14.	Ambalappuzha - Haripad(18.13 Kms)	4838	2007-08	Work in progress	274	0	Estimate under finance vetting. Preparation of plan is in progress. Agency fixed for final location survey and the same is in progress. Requisition for land acquisition for 18 Hectares has been given. Target can be fixed only after land acquisition is completed.
15.	Villupuram- Dindigul (with Electrification. 273 Kms.).	82239	2008-09	Work in progress	84	0	Tender for FLS has been awarded. FLS work in progress. Part detailed estimate for Villupuram - Tiruchchirappalli section sent to Board. Detailed estimate for Tiruchchirappalli - Dindigul section received from field unit has been given to M/s. RVNL on 22/9/2009 for further process. Physical work will be taken up by M/s.RVNL.
16.	Tiruvallur-Arakkonam 4th line(26.83 Kms.).	7892	2008-09	Work in progress	0	0	Additional land for about 35 hectares will be required. Land requirement has been furnished to the State Government. This work is allotted to RVNL vide Railway Board's letter No.2007/WP/SR/08-09/01 dated 15/7/2008. Tenders opened on 12/3/2010 and are under finalisation.

Sl. No.	Name of work	Estimated Cost (₹ in Lakhs)	Started in year	Completed in year	Expenditure upto March 2010 (₹ in Lakhs)	Physical Progress (%)	Remarks
Doubling—Concl'd.							
17.	Calicut - Mangalore Doubling (221 kms)	57155	1995 - 96	Work in progress	57037	97	Out of 220.54 km, 218.30 km. commissioned. Regrading of Cannanore - Valappattinam CRS sanction received and section commissioned on 24/12/2009. For Nethravathi - Kankannadi Doubling work: Major bridge across Netravati River (24 X 21.4 m. + 4X45.72) is in progress. 21 PSC girders launching completed. 4 steel trough girders fabrication completed at Arakkonam. Critical activity is launching of 5 girders.
18.	Irugur - Coimbatore Doubling (17.70 kms.).	7500	1996 - 97	Completed. Passenger Traffic to be authorised.	8282	95	Detailed estimate sanctioned. The up line between Coimbatore and Coimbatore North (2.7 kms.) has been completed and opened for traffic. (14/2/2004). In the remaining stretch also, all the works have been completed except 100 metres. Still 0.5 hectares of land to be acquired and handed over by State Government and after which the work in the 100 m stretch will be executed. CRS has conducted preliminary inspection of the section on 13/3/2010 by Motor Trolley. Final inspection of the CRS will be organised by taking possession of the remaining stretch of land (65 m.) and completing balance works there.
19.	Attipattu - Korukkupet Third line (18 Kms.) (RVNL PROJECT).	14000	1999 - 2000	Korukkupet-Ennore: Commissioned. Ennore-Attipattu: Work in progress	12077	81	For Korukkupet - Ennore (12 kms.) the line is opened to traffic on 9/3/09 and handed over the open line on 9/9/2009. For Ennore to Attipattu (6 kms.) Earth work and bridges completed. Due to presence of marine clay in 1 km stretch in the base soil, adequate time is to be allowed for settlement of newly formed bank with preloading. After few months, additional earth work done as preloading will be removed. Then, ballasting and linking will be done.
20.	Madurai - Dindigul (62.05 kms.)	20272	2003 - 04	Completed	20001	100	The section between Dindigul and Kodaikkanal Road (22 kms.) completed and opened for traffic on 30/9/08. Section handed over to Open Line on 14/9/2009. The section between Kodaikkanal Road and Madurai (40.05 kms.) completed and commissioned on 29/7/2009. Section handed over to Open Line on 12/2/2010.

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

Sl. No.	Division	Station	Name of work	Estimate cost ₹ in lakhs
<i>(i) Works costing more than ₹ 5 lakhs each—</i>				
1. MAS		Nil		
2. Salem		PLMD-Augmentation of terminal facilities to handle full rake in PLMD yard.	144.00	
3. Palghat		Nil		
4. Tirvandrum		Nil		
5. Tiruchchirappalli		Ariyalur - Widening of goods approach road and provision of CC paving to full rake PF.	41.25	
		TPJ - Provision of one stabling line on the southern side of the yard.	49.12	
6. Madurai		Nil		
7. CN/MS		Nil		
8. MTP		Nil		

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

1. MAS	Nil	
2. Salem	Nil	
3. Palghat	Nil	
4. Tirvandrum	Nil	
5. Tiruchchirappalli	Nil	
6. Madurai	Nil	
7. CN/MS	Nil	
8. MTP	Nil	

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

1. MAS	Nil	
2. Salem	Nil	
3. Palghat	Nil	
4. Tirvandrum	Nil	
5. Tiruchchirappalli	I. ALK: Three line crossing station	498.45
	TVNL, PRKL & PVN - Additional loops.	835.00
	Ponmalai Yard (GOC) double entry facility in road 7 and GOC Diesel shed.	29.00
	Thanjavur Jn-Provision of new good shed road with separate entry and exit facilities.	30.00
	Tiruchchirappalli: Development of Terminal facilities.	245.98
6. Madurai	Madurai Jn.	490.00
7. CN/MS	MNM - VPT - GC works.	850.00
	DG - POY - GC works.	3200.00
	SA Yard.	3800.00
8. MTP	Nil	

Sl. No.	Division	Station	Name of work	Estimate cost ₹ in lakhs
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ii) Works costing less than ₹ 5 lakhs each—

1. Chennai	..	Nil	..
2. Salem	..	Nil	..
3. Palghat	..	Nil	..
4. Tirvandrum	..	Nil	..
5. Tiruchchirappalli	..	Nil	..
6. Madurai	..	Nil	..
7. CN/MS	..	Nil	..
8. MTP	..	Nil	..

7. Line Capacity Work

Sl. No.	Division	Station	Name of work	Estimate cost ₹ 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. PGT	..	Nil	..
3. TVC	..	Nil	..
4. TPJ	..	Nil	..
5. MDU	..	Nil	..
6. SA	..	Nil	..
7. CN/MS	..	VM - KPD GC project	4178.00
8. MTP	..	Nil	..

(ii) Works costing less than ₹ 5 lakhs

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

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

1. MAS	..	Nil	..
2. PGT	..	Nil	..
3. TVC	..	Nil	..
4. TPJ	..	TVNL, PRKL & PVN - Additional loops.	83.45
5. MDU	..	Nil	..
6. SA	..	Nil	..
7. CN/MS	..	All yards in MNM-VPT GC project.	850.00
		All yards in DG-POY GC project.	3200.00
8. MTP	..	Nil	..

(ii) Works costing less than Rs. 5 lakhs

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

Sl. No.	Division	Station	Name of work	Estimate cost ₹ in lakhs
II. Extension of Loops				
(A) Works completed				
(i) Works costing more than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	PGT	..	Nil	..
3.	TVC	..	Nil	..
4.	TPJ	..	Nil	..
5.	MDU	..	Nil	..
6.	SA	..	Nil	..
7.	CN/MS	..	Nil	..
8.	MTP	..	Nil	..
(ii) Works costing less than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	PGT	..	Nil	..
3.	TVC	..	Nil	..
4.	TPJ	..	Nil	..
5.	MDU	..	Nil	..
6.	SA	..	Nil	..
7.	CN/MS	..	Nil	..
8.	MTP	..	Nil	..
(B). Works in Progress				
(i) Works costing more than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	PGT	..	Nil	..
3.	TVC	..	Nil	..
4.	TPJ	..	Nil	..
5.	MDU	..	Nil	..
6.	SA	..	Nil	..
7.	CN/MS	..	Nil	..
8.	MTP	..	Nil	..
(ii) Works costing less than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	PGT	..	Nil	..
3.	TVC	..	Nil	..
4.	TPJ	..	Nil	..
5.	MDU	..	Nil	..
6.	SA	..	Nil	..
7.	CN/MS	..	Nil	..
8.	MTP	..	Nil	..
III. Provision of Crossing Station				
(A) Works Completed				
(i) Works costing more than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	PGT	..	Nil	..
3.	TVC	..	Nil	..
4.	TPJ	..	Nil	..
5.	MDU	..	Nil	..
6.	SA	..	Nil	..
7.	CN/MS	..	VM-KPD GC project	1986.00
8.	MTP	..	Nil	..
(ii) Works costing less than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	PGT	..	Nil	..
3.	TVC	..	Nil	..
4.	TPJ	..	Nil	..
5.	MDU	..	Nil	..
6.	SA	..	Nil	..
7.	CN/MS	..	Nil	..
8.	MTP	..	Nil	..

Sl. No.	Division	Station	Name of work	Estimate cost ₹ in lakhs
(B) Works in Progress				
(i) Works costing more than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	PGT	..	Nil	..
3.	TVC	..	NPK Provision of 3 line crossing station between VLY-AAY stations.	597.41
4.	TPJ	..	ALK three line crossing station	49.82
5.	MDU	..	Nil	..
6.	SA	..	Nil	..
7.	CN/MS	..	Namakkal, Rasipuram & Mohanur.	1742.00
8.	MTP	..	Nil	..
(ii) Works costing less than Rs. 5 lakhs				
1.	MAS	..	Nil	..
2.	PGT	..	Nil	..
3.	TVC	..	Nil	..
4.	TPJ	..	Nil	..
5.	MDU	..	Nil	..
6.	SA	..	Nil	..
7.	CN/MS	..	Nil	..
8.	MTP	..	Nil	..
IV. Conversion of ' D ' station in to crossing station				
(A) Works Completed				
(i) Works costing more than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	PGT	..	Nil	..
3.	TVC	..	Nil	..
4.	TPJ	..	Nil	..
5.	MDU	..	Nil	..
6.	SA	..	Nil	..
7.	CN/MS	..	VM-KPD GC Project	339.00
8.	MTP	..	Nil	..
(ii) Works costing less than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	PGT	..	Nil	..
3.	TVC	..	Nil	..
4.	TPJ	..	Nil	..
5.	MDU	..	Nil	..
6.	SA	..	Nil	..
7.	CN/MS	..	Nil	..
8.	MTP	..	Nil	..
(B) Works in progress				
(i) Works costing more than ₹ 5 lakhs				
1.	MAS	..	Nil	..
2.	PGT	..	Nil	..
3.	TVC	..	Nil	..
4.	TPJ	..	Nil	..
5.	MDU	..	Nil	..
6.	SA	..	Nil	..
7.	CN/MS	..	Nil	..
8.	MTP	..	Nil	..

Sl. No.	Division	Station	Name of work	Estimate cost ₹ in lakhs
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(ii) Works costing less than ₹ 5 lakhs

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

V. Additional Traffic Facilities**(A) Works Completed**

(i) Works costing more than ₹ 5 lakhs

1.	MAS	..	Nil	..
2.	PGT	..	Nil	..
3.	TVC	..	Nil	..
4.	TPJ	..	Nil	..
5.	MDU	..	Nil	..
6.	SA	..	Pilamedu Augmentation of goodshed capacity to full rake.	144.00
7.	CN/MS	..	Nil	..
8.	MTP	..	Nil	..

(ii) Works costing less than ₹ 5 lakhs

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

(B) Works in progress

(i) Works costing more than ₹ 5 lakhs

1.	MAS	..	Nil	..
2.	PGT	..	Nil	..
3.	TVC	..	KLMR-Full rake unloading facility	283.18
			AFK-Augmentation/releasing capacity to full rake.	410.45
			NCJ-One single phase PF, one stabling line and simultaneous despatch and reception facilities.	706.00
			CAPE-Additional PF and extension of PF.	377.00
4.	TPJ	..	TPJ-Provision of one stabling line on the southern side of the yard.	49.94
6.	SA	..	Tiruppur-Conversion of road 4 as common loop.	98.07
			MCRD-Augmentation of good	
7.	CN/MS	..	KOK-Goods terminal facilities	650.00
8.	MTP	..	Nil	..

Sl. No.	Division	Station	Name of work	Estimate cost ₹ in lakhs
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(ii) Works costing less than ₹ 5 lakhs

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

VI. Provision of Goods shed, Pit line, etc.,**(A) Works Completed**

(i) Works costing more than ₹ 5 lakhs

1.	MAS	..	Nil	..
2.	PGT	..	Nil	..
3.	TVC	..	QLN-Improvement to goods release area and provision of minimum terminal facilities.	36.64
			ALLP-Proposed minor sick line facilities	22.62
4.	TPJ	..	Nil	..
5.	MDU	..	Nil	..
6.	SA	..	Nil	..
7.	CN/MS	..	VN-JTJ 3rd line	4716.00
			VM-VLR GC work	400.00
8.	MTP	..	Nil	..

(i) Works costing less than ₹ 5 lakhs

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

(B) Works in Progress

(i) Works costing more than ₹ 5 lakhs

1.	MAS	..	Nil	..
2.	PGT	..	Nil	..
3.	TVC	..	CKI-Goods sheds improvement and paving of unloading area.	29.65
			OLR-Goods shed improvements and paving of unloading area.	29.65
4.	TPJ	..	Nil	..
5.	MDU	..	Nil	..
6.	SA	..	Nil	..
7.	CN/MS	..	Nil	..
8.	MTP	..	Nil	..

i) Works costing less than ₹ 5 lakhs

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

8. Doubling of Line

(₹ in Crores)

Sl. No.	Section & Length	Physical progress	Date of which the section offered		Remarks
			Goods Traffic	Passenger Traffic	
(a) New doubling sanction during the year 2009–2010 (MAS, SA, PGT, TVC, TPJ, MDU & MTP as a Nil Report)					
1	Ernakulam - Mulanturutti Doubling (17.37 kms.).	99%	26.03.2010	26.03.2010	Status of the estimate: Estimate sanctioned for ₹ 41.82 crores by Board on 07.06.2002. Material Modification for Electrification of second line between Ernakulam and Mulanturutti subsection was sanctioned by Railway Board at a cost of ₹ 4.18 crores on 6.10.2005 and the work will be done by RE/Construction. Part work of doubling between C&D cabins at ERS already completed and commissioned on 12.06.2006. IPN line commissioned on 01.05.2007. The doubling project between Ernakulam-Mulanturuti has been completed. CRS cleared, NI working at all three stations completed and section has been doubled.
2	Pattabiram - Tiruvallur - 4th line (15.06 kms) and Tiruvallur-Arakkonam 3rd line (26.83 kms) (RVNL Project).	98%	PAB-TRL : TRL-AJJ :	18.09.2004 10.03.2010	The quadrupling work of Pattabiram-Tiruvallur section (16 km..) have been completed and opened on 18.09.2004. Work in Tiruvallur - Arakkonam section being executed by RVNL. Work completed and Freight traffic has been commenced. CRS inspected the section on 07.03.2010. Authorisation letter received and third line commissioned.
3	Chennai Beach - Kourkkupet III line (4.1 kms.).	0%	-	-	This work was originally allotted to RVNL for execution. Railway Board vide their letter No.2005/W1/RVNL/13 dated 7.4.2006 have advised Southern Railway to take up the execution. Action has been taken accordingly. Original detailed estimate at a cost of ₹ 85.70 crores has been sent to Board on 3.8.2007 for sanction.Modified detailed estimate for an amount of ₹.53.60 crores sent to Railway Board vide this office letter No.W.193/111/20/CN datd 31.12.2008. Board's queries on esimate have been replied on 25.05.2009 and Board's sanction for the detailed estimate is awaited. Large extent of land has to be acquired from Chennai Port Trust for laying third and fourth line between Chennai Beach and Korukkupet (4 km..s). 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.22.4.2009. After detailed estimate is sanctioned by Board, then new building for Printing Press will be built and existing building will be dismantled

Sl. No.	Section & Length	Physical progress	Date of which section offered		Remarks
			Goods Traffic	Passenger Traffic	
4	Mavelikara - Kayankulam (7.89 Kms.).	99%	-	-	and land will be handed over to the port. After this, the port land will be taken over and then only third line project can be commenced. Status of the estimate: Estimate is sanctioned by GM/MAS for ₹ 26.81 crores on 26.7.2005. All works completed. CRS inspected the section on 26.03.2010. Authorisation awaited.
5	Cheppad-Kayankulam (7.76 kms)	71%	-	-	Estimate has been sanctioned by GM/MAS for ₹ 26.24 crores on 26.07.2005. Earthwork completed. Retender called for Ballast and Track linking works and are opened and under finalisation. S&T work are in progress. Construction of major Br.No.EAK 263 is the critical activity and is planned to be completed by 30.6.2010. Because of frequent interference in the movement of trucks, bridge works got slowed down. There was a detailed meeting by General Manager, Southern Railway with Hon'ble Chief Minister of Kerala on 10.09.2009 and 30.3.2010. Even with such meeting the progress has been sluggish. Hence, the completion/ commissioning of the project will be only by 30.9.2010.
6	Mavelikara-Chengannur - Patch Doubling (12.3 kms.).	56%	-	-	Estimate for ₹48.34 crores has been sanctioned by Board on 7.12.2006. Working plan, working section and yard plan approved and works are in progress. Progress of works are slowed down due to the local resistance against earth quarrying. Resistance to quarrying of earth still continues. Hence, contractors stopped earth/bridge works and approached High Court. High Court orders police protection. Accordingly, work recommended and is in progress with police protection. General Manager, Southern Railway held a meeting with Chief Minister of Kerala on 10.9.2009 and 30.3.2010 to seek assistance from the State Government in executing the Railway Project in Kerala. Situation is improving.
7	Cheppad-Haripad Patch Doubling (5.28 kms.).	65%	-	-	Work included in the Supplementary Demand for Grants for 2003-2004. Detailed estimate is sanctioned by GM on 12.8.2005. All works are in progress. Progress of works are slowed down due to the local resistance against earth quarrying. This resulted in the delay in taking up track works. Only now, the earth work is nearing completion. Ballasting, track works, welding, packing etc. are to be taken up from now onwards. Hence, the completion will be by 30.09.2010 only. General Manager, Southern

Sl. No.	Section & Length	Physical progress	Date of which section offered		Remarks
			Goods Traffic	Passenger Traffic	
8	Chennai Beach - Attipattu 4th Line (22.1 Kms.).	0%	-	-	<p>Railway held a meeting with Chief Minister of Kerala on 10.09.2009 and 30.03.2010 to seek assistance from the State Government in executing the Railway Project in Kerala. Situation is improving.</p> <p>This work was originally allotted to RVNL for execution. Railway Board vide their letter No.2005/W1/RVNL/13 dtd 7.4.2006 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. Modified detailed estimate for an amount of ₹ 102.95 crores sent to Railway Board vide this office letter No.W.193/111/19/CN dated 31.12.2008. Board's queries on estimate have been replied on 25.5.2009 and Board's sanction for the detailed estimate is awaited. Large extent of land has to be acquired from Chennai Port Trust for laying third and fourth line between Chennai Beach and Korukkupet (4 km.s). 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.22.4.2009. After detailed estimate is sanctioned by Board, then new building for printing press will be build and existing building will be dismantled and land will be handed over to the port. After this, the port land will be taken over and then only third line project can be commenced. Tenders will be called after sanction of detailed estimate by Board and after getting the land as mentioned. A proposal to float tender for major bridge work across Ennore Creek Pending sanction of Railway Board has been sent to Finance for concurrence to take GM's sanction.</p>
9	Mullanturutti-Kuruppanthara Doubling (24 kms.).	0%	-	-	<p>Detailed estimate amounting to ₹ 86.46 crores sanctioned by GM vide No.W.193/1/CN/TVC/MNTT-KRPP dated 31.01.2007. Conceptual plans for all the yards approved by CTPM. Requisition for land acquisition for 11.50 Ha. has been given. Mega tender including Electrical, S&T and other work invited but no response. Tenders invited for one major bridge and 3 minor bridge where Railway land is available and opened on 14.10.08 are finalised. Work has been awarded for the construction of major bridge no.402 on 06.02.09 and for major bridges Nos.360 & 367 and Minor bridges Nos.368 and 388 on 23.03.2009.</p>

Sl. No.	Section & Length	Physical progress	Date of which section offered		Remarks
			Goods Traffic	Passenger Traffic	
10	Chengannur-Chingavanam Doubling (26.5 kms.).	0%	-	-	<p>Works are in progress for Br.No.388 & 360. Br.No.388-Substructure completed. Br.No.360 - All piles and pile load test completed. 1 pile cap completed and 2nd in progress. Br. No.372 - All piles completed, pile cap is in progress. Work has been started for Br.No.397, 433 & 435. General Manager, Southern Railway held a meeting with Chief Minister of Kerala on 10.9.2009 and 30.3.2010 to seek assistance from the State Government in executing the Railway Project in Kerala. Situation is expected to improve. Land yet to be handed over.</p> <p>This work has been included in 2006-07 at a cost of ₹ 99.69 crores. Conceptual plans for all the yards has been approved by CTPM. Detailed estimate amounting to ₹ 132.25 crores has been sanctioned by GM/MAS. Requisition for land acquisition for 18.88 Ha. has been given & no land has been handed over so far. Tenders for Br.No.148 & 151 were awarded on 19.2.09 and for Br.No.150 & 153 on 28.4.09. Work has been stated for Br.No.150 and all piles completed: Pile load test and pile cap works completed. 36/36 piles, load test & 2 pile cap completed for Br.No.153. Work has been awarded for Bridge Nos.160 & 161 on 30.11.2009. Tenders are under finalisation for Bridge Nos.174, 182 & 197, 2/24 piles completed for Br.No.151. General Manager, Southern Railway held a meeting with Chief Minister of Kerala on 10.9.2009 and 30.3.2010 to seek assistance from the State Government in executing the Railway Project in Kerala. Situation is expected to improve. Land yet to be handed over.</p>
11	Kankanadi-Paniambur section Patch Doubling (19 Kms.).	0%	-	-	<p>New work included in the supplementary Demand for 2006-2007. Detailed estimate sanctioned at the cost of ₹ 149.20 crores. Plan is under preparation. Tender for Final location survey is under process. Tenders for certain works where land is available have already been invited and work order for 2 reaches (Br.No.24 to Br.No.28 and Br.No.28 to Br.No.31) has already been awarded and Contractor has just started preliminary works. Remaining tenders are likely to be finalised shortly.</p>

Sl. No.	Section & Length	Physical progress	Date of which section offered		Remarks
			Goods Traffic	Passenger Traffic	
12	Chengalpattu-Villupuram (103 km.) Doubling.	5%	-	-	New work included in Supp.Demand in the year 2006-07 at a cost of ₹ 247 crores. Detailed estimate for ₹ 369.41 crores sanctioned by Railway Board vide letter No.2000/W-1/GC/SR/CGL-VM dated 08.04.2008. COM/MAS has requested to do crossing station work at Vikkravandi and Maduranthakam urgently as part of the doubling work and complete the work as early as possible. CTPM/MAS wants us to complete goods facilities at Mundiampakkam before removing goods handling facilities at VM. Contracts awarded for Madhuranthagam Yard. Vikaravandi Yard on 19.5.2008 and Mundiambakkam Yard on 02.06.2008 and Melmaruvathur station yard on 05.11.2008 and works are in progress. About 26 hectares of land to be acquired by Tamil Nadu State Government and handed over to Railways. Besides, difficulties in getting earth quarry permits affect earth work.
13	Kuruppanthara-Chingavanam (26.54 Kms.).	0%	-	-	Final location Survey completed and detailed estimate prepared and will get sanction by 31.5.2010. 30 hectares of land will have to be acquired by State Government for which requisition has already been given.
14	Ambalappuzha-Haripad (18.13 Kms.).	0%	-	-	New work included in the budget 2007-08. Estimate under finance vetting. Preparation of plan is in progress. Agency fixed for final location survey and the same is in progress. Requisition for land acquisition for 18 Ha has been given. Target can be fixed only after land acquisition is completed.
15	Villupuram-Dingidul (with Electrification 273 Kms.).	0%	-	-	New work included in the Budget 2008-09. Tender for FLS has been awarded. FLS work in progress. Part detailed estimate for Villupuram-Tiruchchirappalli section prepared and sent to Board on 11.3.09 at a cost of ₹ 903.39 crores. Detailed estimate for Tiruchchirappalli-Dindigul section received from field unit has been given to M/s. RVNL on 22.9.2009 for further process. Physical work will be taken up by M/s. RVNL.
16	Tiruvallur-Arakkonam 4th line (26.83 km.).	0%	-	-	New work included in the Budget 2008-09. No final location survey is required. Additional land for about 35 hectares will be required. Land requirement has been furnished to the State Government. This work is allotted to RVNL vide Railway Board's letter No.2007/WP/SR/08-9/01 dated 15.7.2008. Tenders opened on 12.3.2010 and are under finalisation.

Sl. No.	Section & Length	Physical progress	Date of which section offered		Remarks
			Goods Traffic	Passenger Traffic	
17	Calicut-Mangalore Doubling (221 Kms.).	97%	-	-	Out of 220.54 km. 218.30 km.. commissioned. Regrading of Cannanore-Valapattinam CRS sanction received and section commissioned on 24.12.2009. For Netravathi-Kankannadi Doubling work: Major bridge across Netravati River (24x21.4 m +4x45.72) is in progress. 21 PSC girders launching completed. 4 steel trough girders fabrication completed at Arakkonam. Critical activity is launching of 5 girders.
18	Irugur-Coimbatore Doubling (17.70 kms.).	95%	Coimbatore-Coimbatore North:14.12.2004.		Detailed estimate sanctioned by Railway Board for ₹ 38.66 crores. The up line between Coimbatore and Coimbatore North (2.7 kms.) has been completed and opened for traffic. (14.2.2004). In the remaining stretch also, all the works have been completed except 100 metres. Still 0.5 hectares of land to be acquired and handed over by State Government and after which the work in the 100 m. stretch will be executed. CRS papers submitted for minor section for three yards and for the section. Engine rolled successfully on 3.2.2010 CRS has conducted preliminary inspection of the section on 13.3.10 by motor trolley. Final inspection of the CRS will be organised by taking possession of the remaining stretch of land (65 m) and completing balance works there.
19	Attipattu-Korukkupet Third line (18 Kms.) (RVNL PROJECT).	81%	-	-	Status of the estimate: The detailed estimate for Attipattu-Korukkupet 3rd line was sanctioned by Railway Board for ₹ 70.56 crores on 17.10.2002. For Korukkupet - Ennore (12 Km..s) the line is opened to traffic on 9.3.09 and handed over the open line on 9.9.2009. For Ennore to Attipattu (6 kms.) Earth work and bridges completed. Due to presence of marine clay in 1 km. stretch in the base soil, adequate time is to be allowed for settlement of newly formed bank with preloading. After few months, additional earth work done as preloading will be removed. Then, ballasting and linking will be done.
20	Madurai-Dindigul (62.05 kms.)	100%	DG-KQN : 30./09.2008 KQN/MDU: 29.07.2009.		Work included in the Pink Book for the year 2003-04 at a cost of ₹ 73.19 crores. Board have sanctioned the detailed estimate at a cost of ₹ 128.56 crores vide Railway Board letter No.2003/W1/SR/GC/Madurai-Dindigul dated 28.8.2006. 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 29.7.2009. Section handed over to Open line on 12.2.2010.

9. Siding

Estimate cost (₹ in Lakhs)

Sl. No.	Station	Description	Works Completed		Works in Progress	
			More than ₹ 5 lakhs	Less than ₹ 5 lakhs	More than ₹ 5 lakhs	Less than ₹ 5 lakhs
Sl. No.	Name of Work	Estimated cost in lakhs	Position as on 31.3.2010			
I. Private Sidings—Works completed						
(i) Works Costing more than ₹ 5 lakhs						
1.	Chennai	.. Nil				
2.	SA	.. Nil				
3.	PGT	.. Nil				
4.	TVC	.. Nil				
5.	TPJ	.. Nil				
6.	MDU	.. Nil				
7.	CN/MS	.. Nil				
8.	MTP	.. Nil				
(ii) Works costing less than ₹ 5 lakhs						
1.	Chennai	.. Nil				
2.	SA	.. Nil				
3.	PGT	.. Nil				
4.	MDU	.. Nil				
5.	TPJ	.. Nil				
6.	SA	.. Nil				
7.	CN/MS	.. Nil				
8.	MTP	.. Nil				
(ii) Works in progress						
(i) Works Costing more than ₹ 5 lakhs						
1.	MAS	.. Nil				
2.	TVC	.. Nil				
3.	PGT	.. Nil				
4.	MDU	.. TNHP marshalling yard. Proposed extension of Railway track at coal stock yard from the existing road no.5 towards the east side to accommodate full rake length.		155.00		
5.	TPJ	.. Nil				
6.	SA	.. Nil				
7.	CN/MS	.. Nil				
8.	MTP	.. Nil				
(ii) Works Costing less than ₹ 5 lakhs						
1.	Chennai	.. Nil				
2.	TVC	.. Nil				
3.	PGT	.. Nil				
4.	MDU	.. Nil				
5.	TPJ	.. Nil				
6.	SA	.. Nil				
7.	CN/MS	.. Nil				
8.	MTP	.. Nil				

Estimate cost (₹ in Lakhs)

Sl. No.	Station	Description	Works Completed		Works in Progress	
			More than ₹ 5 lakhs	Less than ₹ 5 lakhs	More than ₹ 5 lakhs	Less than ₹ 5 lakhs
Sl. No.	Name of Work	Estimated cost in lakhs	Position as on 31/3/2010			
(B) Assisted siding						
Works completed						
(i) Works costing more than ₹ 5 lakhs						
1.	MAS	.. Nil				
2.	TVC	.. Nil				
3.	PGT	.. Nil				
4.	MDU	.. Nil				
5.	TPJ	.. Nil				
6.	SA	.. Nil				
7.	CN/MS	.. Nil				
8.	MTP	.. Nil				
Works completed						
(ii) Works costing less than ₹ 5 lakhs						
1.	MAS	.. Nil				
2.	TVC	.. Nil				
3.	TPJ	.. Nil				
4.	MDU	.. Nil				
5.	PGT	.. Nil				
6.	SA	.. Nil				
7.	CN/MS	.. Nil				
8.	MTP	.. Nil				
(ii) Works in progress						
(i) Works Costing more than ₹ 5 lakhs						
1.	MAS	.. Nil				
2.	TVC	.. Nil				
3.	PGT	.. Nil				
4.	MDU	a) MVN-TNHP BG siding TSR section of existing wooden sleepers of M+4 density with serviceable Cl. I sleepers M+7 density for a length of 10.550 kms. from 1.000 to 10.780 & 11.680 in between MVN to TNHP yard.	(a) 369.00			
		b) MVN-TNPH sidings. TRR(S) existing 90R with 52 Kg. rials as SWP for a length of 7.8 kms. from 0.8 km. to 8.600 km. in between MVN & TNHP yard.	(b) 149.00			
5.	TPJ	.. Nil				
6.	SA	.. Nil				
7.	CN/MS	.. Nil				
8.	MTP	.. Nil				
(ii) Works Costing less than ₹ 5 lakhs						
1.	MAS	.. Nil				
2.	TVC	.. Nil				
3.	TPJ	.. Nil				
4.	MDU	.. Nil				
5.	PGT	.. Nil				
6.	SA	.. Nil				
7.	CN/MS	.. Nil				
8.	MTP	.. Nil				

Estimate cost (₹ in Lakhs)

Sl. No.	Station	Description	Works Completed		Works in Progress	
Sl. No.	Name of Work	Estimated cost in lakhs	More than ₹ 5 lakhs	Less than ₹ 5 lakhs	More than ₹ 5 lakhs	Less than ₹ 5 lakhs
Position as on 31/3/2010						
(C) Works under development						
(A) Works completed						
(i) Works costing more than ₹ 5 lakhs						
1.	MAS	..	Nil			
2.	TVC	..	Nil			
3.	TPJ	..	Nil			
4.	MDU	..	Nil			
5.	PGT	..	Nil			
6.	SA	..	Nil			
7.	CN/MS	..	Nil			
8.	MTP	..	Nil			
(ii) Works costing less than ₹ 5 lakhs						
1.	MAS	..	Nil			
2.	TVC	..	Nil			
3.	TPJ	..	Nil			
4.	MDU	..	Nil			
5.	PGT	..	Nil			
6.	SA	..	Nil			
7.	CN/MS	..	Nil			
8.	MTP	..	Nil			
(ii) Works in progress						
(i) Works costing more than ₹ 5 lakhs						
1.	MAS	..	Nil			
2.	TVC	..	Nil			
3.	PGT	..	Nil			
4.	TPJ	..	Nil			
5.	MDU	..	Nil			
6.	SA	..	Nil			
7.	CN/MS	..	Nil			
8.	MTP	..	Nil			
(ii) Works Costing less than ₹ 5 lakhs						
1.	MAS	..	Nil			
2.	TVC	..	Nil			
3.	PGT	..	Nil			
4.	TPJ	..	Nil			
5.	MDU	..	Nil			
6.	SA	..	Nil			
7.	CN/MS	..	Nil			
8.	MTP	..	Nil			

Estimate cost (₹ in Lakhs)

Sl. No.	Station	Description	Works Completed		Works in Progress	
			More than ₹ 5 lakhs	Less than ₹ 5 lakhs	More than ₹ 5 lakhs	Less than ₹ 5 lakhs
Sl. No.	Name of Work	Estimated cost in lakhs	Position as on 31/3/2010			
(D) Railway Siding						
(i) 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.	CNMS	..	Nil			
8.	MTP	..	Nil			
(ii) Works costing less than ₹ 5 lakhs						
1.	MAS	..	Nil			
2.	TVC	..	Nil			
3.	PGT	..	Nil			
4.	TPJ	..	Nil			
5.	MDU	..	Nil			
6.	SA	..	Nil			
7.	CNMS	..	Nil			
8.	MTP	..	Nil			
(i) Works costing more than ₹ 5 lakhs						
1.	MAS	..	Nil			
2.	TVC	..	Nil			
3.	PGT	..	Nil			
4.	TPJ	..	Nil			
5.	MDU	..	Nil			
6.	SA	..	Nil			
7.	CNMS	..	Nil			
8.	MTP	..	Nil			
(ii) Works Costing less than ₹ 5 lakhs						
1.	MAS	..	Nil			
2.	TVC	..	Nil			
3.	PGT	..	Nil			
4.	TPJ	..	Nil			
5.	MDU	..	Nil			
6.	SA	..	Nil			
7.	CNMS	..	Nil			
8.	MTP	..	Nil			

10. Strengthening of Track

ABSTRACT

Sl. No.	Division	Works Completed				Works in Progress			
		less than ₹ 5 lakhs		more than ₹ 5 lakhs		less than ₹ 5 lakhs		more 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	5	10.4	29	4,562.45	..	..	54	8295.1070

Sl. No.	Division	Works Completed				Works in Progress			
		less than ₹ 5 lakhs		more than ₹ 5 lakhs		less than ₹ 5 lakhs		more 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	1	2.8	12	108.58	Nil	Nil	15	1170.00
2	SA	Nil	Nil	1	18.5	Nil	Nil	Nil	Nil
3	PGT	2	6.13	8	360	Nil	Nil	14	539.00
4	TVC	Nil	Nil	Nil	Nil	Nil	Nil	7	210.597
5	TPJ	2	1.47	3	74.62	Nil	Nil	8	176.91
6	MDU	Nil	Nil	6	4000.75	Nil	Nil	10	6198.60
7	CN/MS	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
8	MTP	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total		5	10.4	29	4,562.45	Nil	Nil	54	8,295.1070

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 Rs. 5 lakhs :-

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

(ii) Works Costing less than Rs. 5 lakhs :-

1.	MAS	Nil	
2.	PGT	Nil	
3.	TVC	ERN - Compound wall - IInd PF	4.88
		ERG - Boundary wall	1009
4.	TPJ	Nil	
5.	MDU	Nil	
6.	SA	Nil	
7.	CN/MS	Nil	
8.	MTP	Nil	

Sl. No.	Division/Station	Name of work	Cost of ₹ (in lakhs)
(A) Works in Progress :-			
(i) Works Costing more than ₹ 5 lakhs :-			
1. MAS	..	1. Consultruction of compound wall between Chrompet and Guduvanchery ..	32083
		2. PER - Proposed ocnstruction of boundary wall (jallow blopck) ..	8456
2. PGT	..	Nil	
3. TVC	..	Nil	
4. TPJ	..	Nil	
5. MDU	..	Nil	
6. SA	..	i) SE/P.Way/E/PTJ section - Proposed rail fencign along side the road parallel to track vulnerable location in between CBF - MTP a length of 5000 .	2874
		ii) Proposed rail fencing along side the road parallel to track between TUP-VNJ for a length of 5000m.	2874
		iii) SE/P.Way/E/PTJ section - Proposed rail fencing along side the road parallel to track vulnerable location in between a length of 4700 m. VNJ-SNO.	2707
		iv) SE/P.Way/I/PTJ section - Proposed rail fencing along side the road parallel to track vulnerable location in between SNO-PTJ a length of 2000m.	1153
		v) SE/P.Way/CBF section - Proposed rail fencing along side the road parallel to track vulnerable location in between CBF-MTP a length of 3370m.	1948
		vi) 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.	1989
		vii) SE/P.Way/ONR Section - Proposed rail fencing along side the track parallel to track vulnerable location inbetween MTP-UAM a length of 1975 m.	1342
		viii) SA Division - Proposed safety barricades to prevent plying of road vehicle close to track.	2500
7. CN/MS	..	Nil	
8. MTP	..	Nil	
(ii) Works Costing less than Rs. 5 lakhs :-			
1. Chennai	..	Nil	
2. PGT	..	Nil	
3. TVC	..	NCJ - Provision of rail fencing for a length of 450 m.	4.63
4. TPJ	..	Nil	
5. MDU	..	Nil	
6. SA	..	Nil	
7. CN/MS	..	Nil	
8. MTP	..	Nil	

12. Running Shed Facilities

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

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

1. MAS	..	Nil		
2. SA	..	Nil		
3. PGT	..	Nil		
4. TVC	..	Nil		
5. TPJ	..	MV - 30 bedded Running Room	..	87.92
		TPJ - Upgradation of Exg. Running room	..	28.57
6. MDU	..	Nil		
7. CN/MS	..	TEN - Service building and mechanical shed	..	193.00
		MDU - 140 Ton Diesel crane shed	..	74.11
8. MTP	..	Nil		

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

(i) 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. MTP	..	Nil

(B) Works in Progress :-

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

1. MAS	..	Nil			
2. SA	..	Nil			
3. PGT	..	Nil			
4. TVC		NCJ - Construction of new running room	..	..	30.00
5. TPJ	..	VM - Combined running room	..	..	158.00
6. MDU	..	Nil			
7. CN/MS	..	BBQ - Removal of deficiencies in coach maintenance.	..	..	699.00
		RPM - Removal of AC Loco shed for holding capacity 50 to 100 locos	..	..	1573.00
		VM - Yard service shed for Carriage & Wagon	..	..	300.00
8. MTP					

(B) Works in Progress**(i) 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. MTP	..	Nil

13. Improvements to office stores and workshops

Sl. No.	Division	Station & Name of work	Estimate Cost ₹ (in lakhs)	Sl. No.	Division	Station & Name of work	Estimate Cost ₹ (in lakhs)
						Augmentation of wagon production capacity from 560 to 1000 per annum.	
						GOC - Ponmalai Workshop -	28.60
						Conversion of Saw mill shop for undertaking heavy electrical repair activities.	
						GOC - Ponmalai workshop. Extension of roof of coach pit line at B traverser side.	15.00
						GOC - Ponmalai workshop.	30.00
						Construction of 3 GLR and 3 OHT for reuse of treated water.	
						GOC.Ponmalai workshop. Proposed roof extension in coach pit line and new battery box repair for carriage wing.	15.00
						GOC - Ponmalai workshop -	30.00
						Conversion of saw mill shop into heavy electrical repair shop (Phase II).	
						GOC - Ponmalai workshop. Paving with pre-cast RCC slabs in carriage yard behind paint shop.	29.00

(A) Works Completed :-

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

1. MAS	TNPM Marshalling yard. Proposed up-gradation of facilities for CC rakes train examination of Wagon Depot.	35.00
2. PGT	SRR and AAM Improvements to the office of SE/PW/SRR and AAM.	13.13
	PGT - Construction of additional two rooms for newly created post of ASC/PGT.	60.20
	PGT - Reconstruction of the office of the SE/PW/E/PGT.	11.67
	Improvements to seating arrangements Personnel Branch in Divisional Office.	14.76
3. TVC	Nil	
4. TPJ	GOC-Ponmalai Central Workshop - Proposed construction of effluent treatment plant.	30.00
	GOC - Ponmalai Workshop.	210.49

Sl. No.	Division	Station & Name of work	Estimate Cost ₹ (in lakhs)
		GOC - Ponmalai - Construction of Auditorium for basic training centre.	29.70
		GOC Ponmalai - Construction of new office building at GSD/GOC.	15.67
		TPJ - Rebuilding of cracked office building of SE/W/TPJ & SE/P.Way/TPJ.	29.98
5. MDU	Nil		
6. SA	(i) Diesel Locoshed/ED - Repairs to the flooring on road nos.3,4,5 & 6.	9.00	
	(ii) S&T/W/PTJ - Surroundings by landscaping, improving the waste inside the work shop by providing roads and garden.	29.90	
7. CE/CN/MS	MAS - Chennai Central BG Electric Loco Shed to handle 50 locos.	1556.00	
	GOC - Ponmalai work shop - Facilities for elimination of essential infrastructure inadequate for BG & MG rolling stock POH.	277.00	
	MAQ* - Mangalore Jn. - 24 coach pit line as per CAM TECH design.	310.00	
8. MTP	Nil		
(ii) Works costing less than ₹ 5 lakhs each.			
1. MAS	Nil		
2. PGT	Nil		
3. TVC	Nil		
4. TPJ	Nil		
5. MDU	PUU station repairs and flooring of roof and SSE/PW/PUU Chamber and toilet block.	0.914	
	PUU station repairs to office room and staff toilet at SE/PW/PUU office.	0.691	
	SCT station repairs doors windows toilet block at ADEN's office.	0.704	
	TSI station repairs store room for HI Office	1.269	
6. SA	Nil		
7. CN/MS	Nil		
8. MTP	Nil		
(A) Works in Progress :-			
(i) Works Costing more than ₹ 5 lakhs :-			
1. MAS	Nil		
2. PGT	Nil		
3. TVC	Quilon Accommodation for ADEN Office.	35.38	
4. TPJ	TPJ - Provision of a new DEMU sick line at BG Coaching complex.	29.98	
	VRI - Construction of TXR office of size 6.5x6.5m in between PF no.1 & 2.	12.96	
	TPJ - Improvements to parcel offices at KM..U, PDY, MV & TVR.	49.64	
5. MDU	Nil		
6. SA	PTJ- S&T workshop installation of Reverse Osmosis plant.	8	

Sl. No.	Division	Station & Name of work	Estimate Cost ₹ (in lakhs)
7. CN/MS		GOC - Ponmalai workshop - Creation of facilities for overhauling high horse power new generation diesel locos.	2026.00
		PGT - Palghat - Inspection & stabling facilities for MEMUs.	758.00
		BBQ - Basin Bridge Junction-Removal of deficiencies of coach maintenance infrastructure.	700.00
		QLN - Quilon inspection and stabling facilities for MEMU for main line.	888.00
		ERS-Ernakulam-Diesel shed expansion of capacity.	280.00
		PER - Perambur shop - Modernisation of electrical shops at Perambur on techno-economic basis.	537.00
		ED - Erode - Electric Loco Shed - Augmentation of additional infrastructure facilities to increase the holding capacity from 100 to 120 locos.	220.00
		PER - Perambur infrastructure facilities for bogie repair shops and roller bearing activities.	418.00
		RPM - Royapuram - expansion of air-conditioned electric loco shed to increase loco holding from 50 to 100.	1573.00
		ED - Erode (Electric loco shed) - Augmentation of infrastructural facilities to increase holding from 120 to 150 locos.	1274.00
		Tuticorin - Extension of pit line form 21B to 24B with catwalk & covered shed for sick line.	490.00
		TNP, IPN, JTJ - Tondiarpet, Irumpunam, Jolarpet - Conversion of ROH depot form vacuum to air brake stock-maintenance facilities for repair of unloading wagons.	3497.00
		PER - Perambur Loco Works - Modernisation of workshop.	5900.00
		AJJ - Arakkonam (Electric Loco Shed) - Augmentation of infrastructural facilities to increase holding capacity 120 to 150 locos.	964.00
		PER - Perambur - Modernisation of Carriage & Wagon workshop.	4378.00
		GOC - Ponmalai Diesel shed. Creation of infrastructure facilities to have and maintain WDP4/WDG 4 locos.	1000.00
		JTJ Jn - Improvement to wagon sick line and maintenance facilities for rakes.	317.00
		PER - PER Carriage & Wagon workshop - Extension of paint shop from line 1 to 9 on eastern side.	1605.69

(A) Works in Progress :-

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

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

14. Flood Investigation and related subjects 2009-10

A. A Review of Vulnerable Bridges and Reaches:

a. A special organisation 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 Organisation/Luck now 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 2009-2010, a total of 244 Nos. have been classified as vulnerable and problematic from consideration of waterway and floods. During the year 2009-2010, Flood Organisation has investigated a total Number of 84 Nos. bridges and reaches including Rebuilding, Breaches, GAD clearance, other reference received from the State Authorities and NOC on flood point of view and respective recommendations were communicated to the Divisions.

B. River Gauging and Survey Works :

During the monsoon of 2009-2010, 5 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, Pondicherry, Andhra Pradesh and Karnataka.

During the year 2008-09 the above meeting was held for Andhara Pradesh on 8.5.09, Tamilnadu on 5.11.09 and Pondicherry 28.11.2009.

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, Andhrapradesh, 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 2009-2010 as follows:-

SCT-QLN of Madurai Division

DATE	MONTH	YEAR		Description
23	5	2009	692/13-14	Boulder Fallen.
9	6	2009	696/7-8	Boulder Fallen.
5	9	2009	695/2-3	Earth Slips.
5	9	2009	697/4-5	Boulder Fallen.
2	10	2009	715/2-3	Earth Slips.
9	11	2009	691/3-5	Earth Slips.

MTP-UAM Of SALEM Division

DATE	MONTH	YEAR		Description
7	11	2009	10/4-5	Boulder fallen
8	11	2009	8/9-10	Land slide
8	11	2009	9/6-7	Land slide
8	11	2009	10/4-5	Land slide
8	11	2009	10/6-7	Land slide
8	11	2009	12/0-1	Boulder fallen
8	11	2009	12/4-5	Land slide
8	11	2009	12/5-6	Land slide
8	11	2009	12/6-9	Land slide
8	11	2009	13/0-3	Land slide
8	11	2009	13/5-6	Land slide
8	11	2009	13/7-8	Boulder fallen
8	11	2009	14/0-1	Land slide
8	11	2009	14/2-3	Land slide
8	11	2009	14/5-6	Boulder fallen
8	11	2009	14/9-15/3	Land slide
8	11	2009	15/4-5	Land slide
8	11	2009	15/6-7	Land slide
8	11	2009	15/8-9	Land slide
8	11	2009	16/0-6	Land slide
8	11	2009	16/7-17/4	Land slide
8	11	2009	17/9-18/5	Land slide
8	11	2009	18/2-5	Land slide
8	11	2009	18/6-19/10	Land slide
8	11	2009	19/1-2	Land slide
8	11	2009	19/7-20/4	Land slide
8	11	2009	20/5-6	Land slide
8	11	2009	20/7- 21/0	Land slide
8	11	2009	21/3-4	Land slide
8	11	2009	22/5-6	Land slide
8	11	2009	22/6-7	Land slide
8	11	2009	23/4-5	Land slide

DATE	MONTH	YEAR	Description
8	11	2009	23/7-8 Land slide
8	11	2009	24/4-5 Land slide
8	11	2009	24/6-7 Land slide
8	11	2009	24/7-8 Land slide
8	11	2009	25/1-2 Land slide
8	11	2009	25/2-3 Land slide
8	11	2009	23/5-6 Land slide
8	11	2009	26/1-2 Land slide
8	11	2009	26/2-3 Land slide
8	11	2009	26/4-5 Land slide
8	11	2009	27/4-5 Land slide
8	11	2009	27/2-9 Land slide
8	11	2009	25/7-8 Land slide
8	11	2009	28/9-29/1 Land slide
8	11	2009	31/4-5 Land slide
8	11	2009	32/8-9 Land slide
8	11	2009	34/4-5 Land slide
8	11	2009	35/1-4 Land slide
8	11	2009	36/0-1 Land slide
8	11	2009	36/5-6 Land slide
8	11	2009	37/5-6 Land slide
8	11	2009	37/9-10 Land slide
8	11	2009	38/6-7 Land slide
8	11	2009	39/9-10 Land slide
8	11	2009	38/6-7 Land slide
8	11	2009	39/9-10 Land slide
8	11	2009	40/0-2 Land slide
8	11	2009	41/1-2 Land slide
8	11	2009	42/8-9 Land slide
8	11	2009	43/1-2 Land slide
8	11	2009	44/2-3 Land slide
22	10	2008	12/11,12/2-3, 20/7-8,22/11-12, 25/8-9 Earth slip/Boulder Fallen
8	11	2009	12/6-21/7 (12 locations) Land slip/Boulder Fall at 12 locations(Earth slips @ Km.. 12/6-7,15/0-1, and Boulder fall @ Km.. 13/9-10,14/12-13,16/2-3,17/2-3,18/2-3 and Tree fallen @ Km.. 12/8-9,14/4-5,20/3-4,21/6-7 & Boulder and Tree fallen at Km. 20/11-12).
8	11	2009	27/7-8 Breached for 20m length.
8	11	2009	30/7-9 Breached for 35m length.
8	11	2009	27/4-9 Land slips @ 4 locations

DATE	MONTH	YEAR	Description
8	11	2009	28/0-2 Land slips @ 2 locations.
8	11	2009	28/7-8 Land slip.
8	11	2009	28/9-29/1 Land slips @ 2 locations
8	11	2009	30/2-3 Land slip.
8	11	2009	31/4-5 Land slip.
8	11	2009	Br.No.66 @ Km.. 18/7-8 Wing wall,P1 completely washed away,P2 damaged,A2 is buried,Erosion of bank on down stream side,Super structure of Span No. 1 & 2 washed away.
8	11	2009	Br.No.63 @ Km.. 18/1-2 A1 and p1 damaged at the base due to boulder hits.Super structure of Span No1 is also damaged.
8	11	2009	Br.No.56 @ Km.. 17/1-2 A2 is damaged due to severe land side and boulder hit, wing wall is also disturbed on RH side of approaches.
8	11	2009	Br.No.74 @ Km.. 19/1-2 amaged and wing wall also disturbed on both sides.

SRR-CHTS of Thiruvananthapuram Division

DATE	MONTH	YEAR	Description
17	7	2009	70/800-900 Erosion of bank on upline.

F.List of bridges / reaches investigated category wise (2009-10)

Sl. No.	Division	Section	Br.No.	Exg.Span	Km.	Description
1.	MAS	AJJ-JTJ	39	1x9.00m G	81/35-3 UP	Jacketting and Replacement
2.	MAS	MAS-GDR	157	2X0.46m A Dn.	74/24-26	Rebuilding
3.	MAS	MAS-GDR	226	1x0.46m SD	109/12-14	Rebuilding
4.	MAS	MAS-GDR	250	1x0.61m SD Dn	122/22-24	Rebuilding
5.	MAS	MAS-GDR	230	2x0.91m SD	110/18-20	Rebuilding
6.	MAS	MAS-GDR	219	1x0.91m SD Dn.	107/4-6	Rebuilding
7.	MAS	MAS-GDR	203	1x0.61m RS	96/6-8	Rebuilding
8.	MAS	MAS-JTJ		609E RUB	JTJ YD	Water stagnation
9.	MAS	MAS-AJJ	297	TI	TI YD	Widening MP Representation.
10.	MAS	AJJ-RU	177	1x0.61m SD	127/9-12	Rebuilding
11.	MAS	MAS-GDR	189	1x0.91m RP	88/700-800	Rebuilding
12.	MAS	AJJ-RU	84	1x0.61m RS	95/33-36	Rebuilding

Sl. No.	Division	Section	Br.No.	Exg.Span	Km.	Description
13.	MAS	AJJ-RU	20	1x0.61m SD	77/16-20	Rebuilding
14.	MAS	AJJ-RU	21	1x0.61m SD	77/30-78/2	Rebuilding
15.	MDU	DG-MDU	1470	1x0.91m SD	491/3-4	Closure
16.	MDU	DG-MDU	1471	1x0.61m SD	491/10-11	Closure
17.	MDU	DG-MDU	1397.	2x4.57m RCB	464/4-5	GAD
18.	TPJ	TTP-KKDI	99/600-100/900	1x0.91m SD	99/600-100/900	Elimination of causeway by constructing new bridges.
19.	TPJ	TTP-KKDI	366	1x3.05m RC	85/500-600	To provide addl. span of 2x3.05m PSC
20.	TPJ	TPJ-TJ CAUSEWAY		1x3.05m RC	396/9-15	Rebuilding of Br.Nos.1118 & 1119 to eliminate Causeway.
21.	TPJ	VM-TPJ (Chord) CAUSEWAY			224/0-800	Division advised with proposals.
22.	SA	CBE-PTJ	2	1x0.91m RP	21/43-45	Closure
23.	SA	CBE-PTJ	18	1x0.91m SD	18/25-27	Closure
24.	SA	VRI-SA	10		61/000-100	Improvements to Guide bund.
25.	SA	CUPJ-VRI	49	1x5.70 m RC	31/700-800	Proposed construction of eroded Apron with cutoff walls.
26.	SA	VRI-SA	31	8x19.20m PSC	74/200-300	PCE's Inspection notes.
27.	SA	ONR-UAM		New Bridge	30/5-7	Breach Spot.
28.	PGT	SRR-CHTS	1A	2x5.18m RC	0/600-700	GAD
29.	TVC	ERS-QLN	463	1x0.76m RP	10/000-100	Closure
30.	TVC	SRR-ERS			70/800-900	Breaches
31.	TVC	ERS-QLN	452	1x0.76m RP	13/400-500	Closure

Clearance of GADs of Major Bridges on Flood Point of View

Sl. No.	Division	Section	Br.No.	reference from	Date
32.	TPJ	VM-MV	672	RVNL	3/6.04.09
33.	TPJ	VM-MV	502	RVNL	29.04.09
34.	TPJ	VM-MV	503	RVNL	29.04.09
35.	TPJ	VM-MV	518	RVNL	29.04.09
36.	TPJ	VM-MV	508	RVNL	11.01.10
37.	MAS	TRL-AJJ	148	RVNL	09.10.09
38.	MDU	TEN-TSI	1772	CN	16.04.09
39.	MDU	TEN-TSI	1810	CN	27.04.09
40.	MDU	TEN-TSI	1822	CN	15.05.09
41.	MDU	TEN-TSI	1854	CN	28.05.09

Sl. No.	Division	Section	Br.No.	reference from	Date
42.	MDU	TEN-TSI	1904	CN	13/14.07.09
43.	MDU	TEN-TSI	1901	CN	14.09.09
44.	TPJ	VM-KPD	248	CN	20.04.09
45.	MDU	DG-POY	175	CN	01.06.09
46.	MDU	DG-POY	74	CN	09.10.09
47.	MDU	DG-POY	209	CN	09.10.09
48.	MAS	CGL-VM	452	CN	20.08.09
49.	MAS	CGL-VM	467	CN	20.08.09
50.	MAS	CGL-VM	469	CN	20.08.09
51.	MAS	CGL-VM	453	CN	20.08.09
52.	MAS	CGL-VM	207	CN	26.10.09
53.	MAS	CGL-VM	346	CN	26.10.09
54.	MAS	CGL-VM	358	CN	03.12.09
55.	MAS	CGL-VM	353	CN	03.12.09
56.	MAS	CGL-VM	393	CN	11.01.10
57.	MAS	CGL-VM	467	CN	11.01.10
58.	MAS	CGL-VM	399	CN	27.01.10
59.	MAS	CGL-VM	401	CN	27.01.10
60.	MAS	CGL-VM	360	CN	01.02.10

NOC On Flood Point of View

Sl. No.	Period	Bridge No.	Kilometre	Section	Division	Remarks
61.	04.04.2009	NOC	672/100-200	CLT-MAQ	PGT	A.K.Sasi
62.	27.04.2009	NOC	671/800-900	CLT-MAQ	PGT	NabeesaPP
63.	30.04.2009	NOC	7/1-3	IGU-CBE	SA	Jayaraman
64.	15.06.2009	NOC	670/400-500	CLT-MAQ	PGT	Rajikumar& Prajitha
65.	22.06.2009	NOC	34/900-35/000	SRR-ERS	TVC	Rajeeb
66.	08.07.2009	NOC	667/900-668/000	CLT-MAQ	PGT	Unni-krishnan
67.	01.10.2009	NOC	109/100-200	ERS-CHTS	TVC	Koshy & Alex
68.	06.10.2009	NOC	16/15A-17A	MAS-AJJ	MAS	Mahesh Kumar Bandari
69.	06.10.2009	NOC	16/15A-17A	MAS-AJJ	MAS	Mahesh Kumar Bandari
70.	29.10.2009	NOC	26/27-29	MS-TBM	MAS	Poonga-vanam
71.	29.10.2009	NOC	11/39-12/1	IGU-CBE	SA	Alwyn School
72.	02.11.2009	NOC	14/5A-14/9	MAS-AJJ	MAS	Jayasundari
73.	13.11.2009	NOC	Near VT Station	VM-KPD	TPJ	M/S Dolphin Construction
74.	26.11.2009	NOC	600/700-800	SRR-CLT	PGT	Haissain & Niyas
75.	26.11.2009	NOC		VM-TPJ	TPJ	Gopal raj
76.	30.11.2009	NOC	24 / 13 (RH)	MS-TBM	MAS	Dr.A.Pandian
77.	22.12.2009	NOC	670/900-671/000	CLT-MAQ	PGT	Mammed Koya

Sl. No.	Period	Bridge No.	Kilometre	Section	Division	Remarks
78.	22.12.2009	NOC	668/600-700	CLT-MAQ	PGT	Savithri
79.	23.12.2009	NOC	671/400-500	CLT-MAQ	PGT	Ashraf Peediyekkal
80.	23.12.2009	NOC	669/600-700	CLT-MAQ	PGT	Kishore-kumar
81.	24.12.2009	NOC	667/400-500	CLT-MAQ	PGT	Dr.C.K.Ramdoss
82.	28.12.2009	NOC	MSB-VM	MAS	PGT	Mohamed-Ismoil
83.	23.03.2010	NOC	25/7B-9B	MAS-AJJ	MAS	Selvaraj
84.	26.03.2010	NOC	883/000-1000	CLT-MAQ	PGT	Jessy D Souza

14B-Rehabilitation of Bridges : 2009-10

	Name of Work	No. of Bridges where work has been completed	No. of Bridges where work in progress
14.B	(a)Regirdering:		
	(i) Replacement of weak/corroded girders with new girders	3	0
	(ii) Strengthening of weak/ corroded girders	0	0
	(b) Replacement of existing girders/ timber top with RCC slab.	12	0
	(c) Strengthening of sub-structure only	9	0
	(d) Repl of exg weak/corroded girders with new girders including strengthening of sub-structure.	0	0
	(e) Rebuilding of existing weak bridges	37	14
	(f) Miscellaneous bridge works including provision of centralised bearing, renewal of bed-blocks, etc.	6	0
	Total of items (a) to (f)	67	14
14. C	Extension of existing bridges	0	0
14. D	Construction of new bridges	0	0

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

i) No. of bridges : 5 (Five)

ii) Details:

1. SA Division - ED-TP section - ROB in lieu of LC No:391 at Tirupattur.
2. MDU Divn. - Proposed Limited Use Subway in lieu of exg **LC No: 328** at Vadipatti.
3. MDU Divn. - Proposed Limited Use Subway in lieu of exg **LC No: 485** at Tuticorin.
4. MAS Divn. - Proposed Limited Use Subway in lieu of exg **LC No: 111** at Jones Road Saidapati under GC.
5. MAS Division - Proposed Limited use subway in lieu of exg. **LC No.19** at Jain College Meenabakkam under GC.

b) Works in Progress:

i) No. of bridges: 59 (Fifty-nine)

ii) Details:

1. SA Divn. - Pro RUB in lieu of LC No: 38 at km.. 65/9090-66/000 in ED-TP section.
2. SA Divn. - Pro RUB in lieu of LC No: 92 at km.. 226/24-26 in JTJ-ED section.
3. SA Divn. - Pro RUB in lieu of LC No: 93 at km.. 230/8-10 in JTJ-ED section.
4. SA Divn. - Pro RUB in lieu of LC No: 94 at km.. 232/4-6 in JTJ-ED section.
5. SA Divn. - Pro RUB in lieu of LC No: 95 at km.. 237/24-26 in JTJ-ED section.
6. SA Divn. - Pro RUB in lieu of LC No: 97 at km.. 245/24-26 in JTJ-ED section.
7. SA Divn. - Pro RUB in lieu of LC No: 98 at km.. 247/17-19 in JTJ-ED section.
8. SA Divn. - Pro RUB in lieu of LC No: 101 at km.. 274/4-6 in JTJ-ED section.
9. SA Divn. - Pro RUB in lieu of LC No: 103 at km.. 279/32-34 in JTJ-ED section.
10. SA Divn. - Pro RUB in lieu of LC No: 104 at km.. 283/18-20 in JTJ-ED section.
11. SA Divn. - Pro RUB in lieu of LC No: 106 at km.. 290/9-11 in JTJ-ED section.
12. SA Divn. - Pro RUB in lieu of LC No: 107 at km.. 294/13-15 in JTJ-ED section.
13. MDU Divn. - Proposed Limited Use Subway in lieu of exg **LC No: 379** at km.. 513/400-500 in MDU-VPT section.
14. MDU Divn. - Proposed Limited Use Subway in lieu of exg **LC No: 388** at km.. 527/1-2 in MDU-VPT section.
15. MDU Divn. - Proposed Limited Use Subway in lieu of exg **LC No: 391** at km... 530/800-900 in MDU-VPT section..
16. MDU Divn. - Proposed Limited Use Subway in lieu of exg **LC No: 436** at km... 584/600-700 in VPT-MEJ section..
17. MDU Divn. - Proposed Limited Use Subway in lieu of exg **LC No: 441** at km... 589/600-700 in VPT-MEJ section..
18. MDU Divn. - Proposed Limited Use Subway in lieu of exg **LC No: 345** at km... 424/7-8 in TPJ-MNM section..
19. MDU Divn. - Proposed Limited Use Subway in lieu of exg **LC No: 455** at km... 553/5-6 in TPJ-MNM section..
20. MDU Divn. - Proposed Limited Use Subway in lieu of exg **LC No: 446** at km... 540/14-15 in TPJ-MNM section..
21. MDU Divn - Proposed Limited Use Subway in lieu of exg **LC No: 445** at km.. 585/100-200 in VPT-TSI section.
22. MDU Divn - Proposed Limited Use Subway in lieu of exg **LC No: 46** at km.. 52/10-11 in TEN-TSI(MG) section.
23. MDU Divn - Proposed Limited Use Subway in lieu of exg **LC No: 34** at km.. 597/7-8 in MNM-VPT(MG) section.
24. MAS Division - Proposed RUB in lieu of **LC No.34** @ km.. 72/26-28 in AJJ-RU section..
25. MAS Division - Proposed ROB in lieu of **LC No.38** @ km.. 79/10-12 in AJJ-RU section.
26. MAS Division - Proposed ROB in lieu of **LC No.4** @ km.. 5/8-10 in CGL-AJJ' section..

27. TVC Divn - Proposed Limited Use Subway (1x3.0m) in lieu of exg **LC No: 106** at km... 345/500-600 in NCJ-TEN section..
28. TVC Divn - Proposed Limited Use Subway (1x3.0m) in lieu of exg **LC No: 85** at km... 325/500-600 in NCJ-TEN section..
29. TVC Divn - Proposed Limited Use Subway (1x3.0m) in lieu of exg **LC No: 99** at km... 338/000-100 in NCJ-TEN section..
30. TVC Divn - Proposed Limited Use Subway (1x3.0m) in lieu of exg **LC No: 28** at km... 48/000-100 in ERS-KTYM section..
31. TVC Divn - Proposed Limited Use Subway (1x3.0m) in lieu of exg **LC No: 24** at km.. 44/000-100 in ERS-KTYM section.
32. TVC Divn - Proposed Limited Use Subway (1x3.60m) in lieu of exg **LC No: 16** at km.. 16/600-700 in ERS-KYJ-TVC section.
33. TVC Divn - Proposed Limited Use Subway (1x3.60m) in lieu of exg **LC No: 37** at km.. 115/600-700 in ERS-KYJ-TVC section.
34. TVC Divn - Proposed Limited Use Subway (1x3.0m) in lieu of exg **LC No: 7** at km.. 7/000-100 in NCJ-CAPE section.
35. TVC Division - Proposed 1x35m PSC BoX girder ROB in lieu of **L.C. No.2** (Ponnurunni) @ km..3/19-20 on Palarivakkam - Vyttila Road in between Ernakulam and Tritunithura stations in ERS - KTYM - QLN section..
36. TVC Division - Proposed 1x35m PSC BoX girder ROB in lieu of **L.C. No.2** @ km.. 221/400-500 in TVC - NCJ section.
37. TVC Division - Proposed 1 x 30m PSC Box girder & 2 X 11.812m span PSC slab ROB in lieu of **LC NO 6** @ km.. 8/ 100-200(Mullorkkara) in between Vallattol Nagar Wadakancheri stations.
38. TVC Division - Proposed 1 x 20m PSC Box girder & 2 X 11.812m span PSC slab ROB in lieu of **LC NO 13** (Athani) @ km.. 21/5-6 on Athari Medical college Road in between Wadakancheri and Mulagunathukavu stations in SRR - ERS section.
39. TVC Division - Proposed 1 x 30 m PSC Box girder ROB in lieu of **LC No. 14** (Mulankunnath Kavu yard) @ km.. 23/ 100 - 200 on Mulankunnath Kavu Medical College Road in between Punkunam - Mulagunathukavu stations in SRR - ERS section.
40. TVC Division - Proposed 1 x 25 m PSC I Beam & slab ROB in lieu of **LC No. 19** (Karukutty) @ km...30/800 - 900 on Thrissur Corporation Road in between Punkunnam - Trichur in SRR - ERS section.
41. TVC Division - Proposed 1x21m span PSC girder deck ROB in lieu of **LC No. 31** (Nandikara) at km.. 49/200-300 on NH.47 - Irinjalaguda Road in between Pudukkad and Nelayi sta. TVC Division - Proposed 1x21m span PSC girder deck ROB in lieu of **LC No. 32** (Nandikara) at km.. 287/600-700 on TVC-NCJ section.
43. TVC Division - Proposed 1x30m PSC Box girder span type - RUB in lieu of **LC. No.33** (Ettumanur) @ km...61/600 - 700 in between Ettumannur and Kottayam (Kumaranallore) stations in ERS - QLN section.
44. TVC Division - Proposed 1X30m PSC Box girder ROB in lieu of **LC No.36** @ km...56/0- 100 in between Kottayam - Chingavanam stations (Mooledem) in ERS - QLN section.
45. TVC Division - Proposed 1 x 25 m PSC voided slab ROB in lieu of **L.C. No.43** (Kalletumkara) @ Km. 56/9-10 on NH.47 - Irinjalaguda Road in SRR - ERS section.
46. TVC Division - Proposed 1 X 25m PSC Box girder ROB in lieu of **LC No. 45** (Aloor) at Km... 58/2-3 on Aloor - MlaRoad in between Irinjalakuda and Chalakudi stations in SRR - ERS section.
47. TVC Division - Proposed 1 x 20m & 2 X 15 ROB in lieu of **LC No.46** (Vellanchira) at Km....60/900 - 61/000 on Kotta - Irinjalakuda Road in between Irinjalakuda and Chalakudi stations in SRR - ERS section.
48. TVC Division - Proposed RUB in lieu of **LC No. 50** (Kaukkutty) @ km... 64/200 - 300 in between Chalakkudy - Karukutty stations in SRR - ERS section.
49. TVC Division - Proposed 1x30m PSC box girder ROB in lieu of **LC NO. 52** (Divine nager) at KM.... 65/11-12 on NH.47 in between Chalakkudy - Karukutty stations in SRR - ERS section.
50. TVC Division - Proposed 1x39m bowstring girder ROB in lieu of **L.C.No.54** (Korattiangadi) @ Km... 67/13-14 on Koratty - Pulikkakadavu Road in between Divine Nagar - Korattiangadi stations in SRR - ERS section.
51. TVC Division - Proposed 1 x 37.6m Bow string girder ROB in lieu of **LC No. 59** at km.. 74/600-700 on Angamaly - Kaduvetty Road in between Korattiangadi and Karukutty stations in SRR - ERS section
52. TVC Division - Proposed ROB in lieu of **LC No.64B** (Angamali) @ km.. 80/12-13 on Kariyad - Mattur Raod in between Angamali and Alwaye stations in SRR - ERS section.
53. TVC Division - Proposed ROB in lieu of **LC NO.69 A** (Vaduthula) @ Km.. 101/10-11 on Ernakulam - Chittur Road in between Idappalli and Ernakulam Town stations in SRR - ERS section.
54. TVC Division - Proposed ROB in lieu of **L.C. No.71** (Idapalli) @ km...102/13-14 on Ernakulam - Chittur Road in between Idappalli and Ernakulam Town stations in SRR - ERS section.
55. TVC Division - Proposed 1 x 25 m PSC Box girder ROB in lieu of **L.C.No.73** (Pullepady) @ km. 105/5-6 on Pullepady - Thammanam Road in between ERS - KYJ stations in SRR - ERS section.
56. TVC Division - Proposed ROB in lieu of **L.C. No.76T** (Tirunettur) @ km..108/6-7 on Cochin orporation Road in between Ernakulam and Tirunettur stations in ERS - ALLP section.
57. TVC Division - Proposed 1 x 30 m & 2X20m PSC Box girder ROB in lieu of **LC No.541** (Mayyanad - SP.Gate) @ km.. 156/8-9 on Quilon Corporation Road in between Quilon and Mayyanad stations in QLN - TVC section.
58. TVC Division - Proposed 1 x 3 m PSC Box girder ROB in lieu of **LC No.575A** (Kazhakkootam) @ km. 205/500-600 between Murukampuzha and Kazhakuttam stations in QLN - TVC section.
59. TVC Division - Proposed 1 x 34.1m PSC Box, 1x19.43m PSC slab, 1X10.10 PSC slab ROB in lieu of **LC No.578** (Trivandrum) @ km. 217/300-400 between Kochuveli - Trivandrum Pettah stations in QLN - TVC section.

Para: 14 E) (ii) Road Over Bridges and Road Under Bridges on Deposit terms for outsiders:**a) Works completed:**

i) No. of bridges: 0 (Nil)

b) Works in Progress:

i) No. of bridges: 10 (Ten)

ii) Details:

1. SA Divn - Pro RUB at km. 62/780 for INAM Karur Municipality in ED-TP section.
2. MDU Divn - RUB No: 1349A (1x4.50m RCB) at km.... 445/500-600 on DG-MDU(BG) section.
3. MDU Divn - RUB No: 1582A (1x3.00m RCB) at km.... 563/600-700 on VPT-MEJ section.
4. MDU Divn - New RUB No: 1556B (1x4.50m RCB) at km.... 540/200-300 on VPT-MEJ section.
5. MDU Divn - New ROB at km. 408/500 on TPJ-MNM section for NHAI.
6. MDU Divn - New ROB at km.. 7/6-7 on MDU-BDNK section for NHAI.

7. MDU Divn - New ROB at km. 6/100-200 on DG-POY section for NHAI.

8. MDU Divn - New ROB at km. 6/200-300 on DG-POY section for NHAI.

9. TVC Divn - Pro ROB (1x35m) in lieu of LC No: 68A at km.... 97/12-13 in SRR-CHTS section.

10. TVC Divn - Pro Additional lanes (1x32m) in exg ROB No: 165A at km. 78/800-900 in SRR-CHTS section.

Para: 14 E) (iii) Other Bridge works done on Deposit terms.**a) Works completed:**

i) No. of bridges: NIL

b) Works in Progress:

i) No. of bridges: 2 (Two)

ii) Details:

1. MDU Divn: Construction of new waterway Br..No:78-A (1x3.20m RCB) at km... 38/100-200 under deposit for EE/ PWD/WRO ON MDU-BDNK section

2. MDU Divn: Construction of new Br. No:174-A (2x6.10m RCC slab) at km. 41/100-200 under deposit for PWD in MDU-MNM section.

15. Bridge Workshops (2009-10)

Sl. No.	Description of Item	T&P/GOC in tonnes	EWS/AJJ in tonnes	RCC Depo/ GOC in Nos
1.	Fabrication of Bridge Girders	0	802.401	0
2.	Fabrication of Steel works - otherthan Girders like Foot Over Bridges, Platform Shelters, Flood Light Towers, Tanks & Steel Cribs, etc.,	192	327.617	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.,	94	196	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.,	0	290	0
5.	Other items like Reconditioning of Sleepers, manufacture of Skids, Beaters and other Miscellaneous items, etc.,	0	0	0
6.	(i) Manufacture of RCC Bridge Slabs - MG	0	0	14
	(i) Manufacture of RCC Bridge Slabs - MG	0	0	14
	(ii) Manufacture of RCC Bridge Slabs - BG	0	0	0
	(iii) Manufacture of PSC- MG Sleepers (Post Tensioned)	0	0	0
	(iv) Manufacture of PSC- MG Mono Block Sleepers (Pre Tensioned)	0	0	0
	(v) Manufacture of MG - RCC Twin Block Sleepers	0	0	0
	(vi) Manufacture of RCC pipes of various diameters and Length.	0	0	45
	(vii) Manufacture of RCC - Pre-cast Boxes - MG	0	0	0
	(viii) Manufacture of RCC - Pre-cast Boxes - BG			
	(ix) CC platform shelter 2'x2'x3"	0	0	865
	(x) RCC slab 1'-6" x 1'-6" x 0-4"	0	0	4250
	(xi) CC paver block for LC's	0	0	2044
	(xii) CC KM Post	0	0	334
Total		286	1616.018	7552

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

1. Permanent Way Renewals.—The physical progress of Permanent Way Renewals during 2009–2010.

(a) Through Renewals :

(Fig. in Track Kilometres)

Gauge				Primary		Secondary	
				Through Rail Renewal	Through Sleeper Renewal	Through Rail Renewal	Through Sleeper Renewal
Broad	..	..	..	204.99	103.01	30.28	40.47
Metre	..	..	..	0.00	0.00	9.50	10.40
Total	..	..	..	204.99	103.01	39.78	50.87

(b) Casual Renewals :

Gauge			Class VII	Rails (in Tonnes)	Sleepers (Numbers)			
					Wood	Metal	Concrete	Total
Broad	..	..	I	66660.45	132	87	7367	7586
			II	1138.47	11	0	6160	6171
Metre	..	..	I	0.00	0	0	0	0
			II	118.46	645	2480	0	3125
Total	..	..	I	6660.45	132	87	7367	7586
			II	1256.45	656	2480	190	9296

(c) Points and Crossings Renewals :

(in Nos.)

Gauge				1 in 16	1 in 12	1 in 8-1/2	Traps	Total
Broad	..	..	..	0	48	149	59	256
Metre	..	..	..	0	0	0	0	0
Total	..	..	..	0	48	149	59	256

(d) Renewal of wooden Specials on Bridges and under points and crossings :

Gauge				Bridge special (in cubic metres)	Points and X ings (in cubic metres)
Broad	..	..	..	300.10	572.30
Metre	..	..	..	38.29	13.03
Total	..	..	..	338.39	585.33

(e) Renewals with Steel layouts under points and crossings :

(in sets)

				Steel layouts Under points and Crossings		
				Broad Gauge	Metre Gauge	Total
				0	0	0

(f) Ballast put into the track during 2009-10 (in Thousands of cu.mts.)

Total Ballast collection during the year : 802

Total Ballast inserted during the year : 839

16.2—Track Materials used during the year 2009–10. The permanent way materials used during the year 2009–10 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	..	..	..	62.16	171.98	1.13	0.00	0.00	0.00	235.27
Metre	..	..	..	0.00	0.00	0.00	0.00	0.00	9.50	9.50
Total	..	..	..	62.16	171.98	1.13	0.00	0.00	9.50	244.77

(b) Sleepers

(in track kilometres)

Gauge				Concrete	Steel	CST-9	Wooden	others	Total
Broad	..	..	..	131.88	0.85	10.75	0.00	0.00	143.48
Metre	..	..	..	0.90	9.50	1.10	0.00	0.00	10.40
Total	..	..	..	132.78	10.35	10.75	0.00	0.00	153.88

(c) Composite wooden blocks and converted sleepers 2009-10 :

(in Nos.)

Gauge				Composite Nos.	Wooden Blocks In Nos.	Converted steel through Sleepers Nos.	Total
Broad	..			0	0	0	0
Metre	..	..	..	0	0	0	0
Total	..	..	..	0	0	0	0

16.3-Materials in the track 2009-10-(Running Track) :**(a) Rails**

(in Track Kilometres)

Gauge	60 Kg.	52 kg.	90 lbs.	75 lbs	60 lbs.	50 lbs.	others	Total
BG	988	4736	128	0	0	0	0	5852
MG	0	23	264	280	310	10	21	908
Total	988	4759	392	280	310	10	21	6760

(b) Sleepers

(in Track Kilometres)

Gauge	Concrete	Steel	CST-9	Wooden	Others	Total
Broad	5765	18	54	6	9	5852
Metre	29	67	718	72	22	908
Total	5794	85	772	78	31	6760

(c) Turnouts

(in Nos.)

	1 : 16		1 : 12		1 : 8.5		Total	
	BG	MG	BG	MG	BG	MG	BG	MG
Wooden	0	0	12	8	599	64	611	72
Steel	0	0	5	3	231	6	236	9
Concrete	14	0	122	0	791	0	927	0
Total	14	0	139	11	1621	70	1774	81

16.4.-Welding of Rail Joints :**(a) New Track Welded :** Total length of track on which rail joints was done during the year 2009-10.

(Figures in Nos.)

Gauge	Total No. of Joints welded
Broad + Metre	17,401

(b) Total Welded Track :

Total length of welded track as on 31st March 2010

(Figures in Track Km..s.)

Gauge	Short Welded Panels	Long Welded Rails/Continuous Welded Rails	Total
Broad ..	966	4799	5765
Metre ..	534	67	601
Total ..	1500	4866	6366

(c) Flash Butt Welding Plant :

The work done at the Flash Butt Welding Plant in the Railway 2009-10.

Plant at	Number of joints Welded				Total No. of joints welded	Track Km.s.	Average cost per joints ₹
	60 Kgs.	52 Kgs.	90 lbs	7 lbs			
Arakkonam	7,899	12,659	0	0	20,558	242.32	3,164

16.5-Speed Restriction :**(a) Speed Restrictions in force on 31st March 2010 due to poor condition of track :-**

(in Kilometres)

As on	Broad Gauge	Metre Gauge	Total
31-3-2010	0.00	0.00	0.00

(b) Speed Restriction in force as on 31st March 2010 due to reasons other than the above :-

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

As on	Broad Gauge	Metre Gauge	Total
31-3-2010	374.14	0.00	374.14

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

As on	Broad Gauge	Metre Gauge	Total
31-3-2010	14.65	0.00	14.65

17. Block Renewals

Renewals of the following track kilometres were carried during 2009-10:-

(i) Through rail renewals (Primary & Secondary):

Division	Broad Gauge	Metre Gauge
Chennai	64.50	0.00
Salem	19.11	9.50
Palghat	18.95	0.00
Trivandrum	76.54	0.00
Tiruchchirappalli	13.92	0.00
Madurai	42.25	0.00
Total	235.27	9.50

(ii) Through sleeper renewals (Primary & Secondary)

Division	Broad Gauge	Metre Gauge
Chennai	47.75	0.00
Salem	11.35	9.50
Palghat	22.28	0.00
Trivandrum	10.12	0.00
Tiruchchirappalli	3.20	0.00
Madurai	48.78	0.90
Total	143.48	10.40

18. Damages, Caused by Natural Causes, Floods, Cyclones, Fire & Civil Disturbance.

Sl. No.	Division	Station-Section particulars	Approximate cost of damages (₹ in Lakhs)
1.	MAS	PER HOSPITAL (ADEN/II Bldgs) Restoration of damaged portion of conference hall and other room of blood bank due to fire accident. Agt.No.74/B/MAS dt 16.06.2008. Work is in progress.	8.26
2.	SA	QLR-UAM Due to heavy rain on 7.11.09 & 8.11.09 breaches, land slip & tree falls occurred in the section and the track damaged and washed away.	1500.00
3.	PGT	Nil	
4.	TVC	TRVL-PF roof	1.00
		KTYM-PF 1 & 2 Roof AC sheet	0.40
5.	TPJ	Nil	
6.	MDU	Nil	
7.	CN/MS	Nil	
8.	MTP	Nil	

19. Staff Amenities

Sl. No.	Division	Station & Name of Works	Estimate (cost in lakhs)
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I. Improvements to Water Supply :**(A) Works Completed :—**

(i) Works costing more than ₹ 5 lakhs each.—

1.	MAS	TVT : Agreement No.61/C/MAS of 28.7.09. Wimco Nagar raising of PF surfaces provision of pale fencing and drinking water facilities (Risk and cost)	25.00
		MPK : Agreement No.122/B/MAS dt 29.11.07.	25.08
		(a) Supply of drinking water by tank mounted lorry for railway colonies and stations at TYT, MSC, NBK, MS for the period of one year.	
		(b) Supply of drinking water by tank mounted lorry for railway colonies and stations at ROS, MSC, NBK, MS, MSB for the period of one year.	
		AJJ : AJJ-CTLR deepening of well open well and laying of pipe line/well 3+1	15.50
		PER : PER-PT colony repairs to leaky roof and watering arrangements to staff Quarters phase V and VI.	55.21
		PER : Ayanavaram - Repairs to pipe line and replacing of filter bed maintenance of water treatment.	11.30

Sl. No.	Division	Station & Name of Works	Estimate (cost in lakhs)
2.	SA	Nil	
3.	PGT	Nil	
4.	TVC	Nil	
5.	MDU	Nil	
6.	TPJ	TPJ colony : Replacement of damaged and heavily corroded CI tanks and water pipe line at Kallukuzhi	29.71
		TPJ : TPJ KG-RPSF colony - Construction of 2.25 KL RCC OHT in lieu of corroded MS over head tank	29.32
7.	CN/MS	Nil	
8.	MTP	Nil	

ii) Works costing less than ₹ 5 lakhs each.

1.	MAS	Nil	
2.	SA	Nil	
3.	PGT	CAN : Sinking borewell	0.51
4.	TVC	Nil	
5.	TPJ	Nil	
6.	MDU	Nil	
7.	CN/MS	Nil	
8.	MTP	Nil	

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

1.	MAS	MPK : Supply of drinking water by tank mounted lorry for railway colonies and stations at ROS, MSC, NBK, MS, MSB for the period of one year.	17.34
		PER : PER PT Colony repair works to water supply arrangements.	36.92
2.	SA	SA Dn. : Provision of drinking water facilities at goods sheds at SA, SAI, ED, IGU, PLMD & CBF.	50.00
		PTJ : Construction of OHT 90000 litres capacity and replacement of pipelines grid at 20 block area.	49.50
		PTJ : Provision of individual storage water tank at staff quarters (400 Nos) and augmentation of water supply drilling three more borewells and pipe line.	49.00
		PTJ : Salem Division Provision of purified drinking water to stations through water treatment systems at CBE (id.1506/09-10) CE/OL.	20.00
		TUP : Tiruppur construction of OHT 45000 litres capacity including pipeline arrangements from well to good shed area (id.1849/08-09) CE/OL.	45.00
		CBE : CBE Jn. Provision of reverse osmosis plant for providing drinking water to passengers.	29.00
		CBE : Provision of GLR and pipeline arrangements for new RCCOHT.	29.00
		CBE : CBE Jn. Provision of RCC OHT for 2.25 lakhs litres capacity with 20 m staging.	29.00

Sl. No.	Division	Station & Name of Works	Estimate (cost in lakhs)
3.	PGT	CLT : Improvements to water supply arrangements. Provision of water disinfection paint.	8.30
		CAN : Improvements to water supply arrangements. Provision of water disinfection paint.	19.18
4.	TVC	ALLP: Repairs to water hydrants	9.33
		TVC : Drainage arrangements at Poojappura - Thampanoor and Pettah colonies.	179.39
		NCJ Sub-Division. : Provision of bore-wells 5 Nos. deepening of existing wells at CAPE, NCJ & PASA.	29.00
		ERS : Ernakulam Coaching Complex - Watering arrangements by laying 200 m dia pipe from Muvatupuzha river near piravam road station.	806.00
		CGV, ETM, TRVL : Improvements to water supply arrangements.	24.00
5.	MDU	MDU : Rain water harvesting arrangement. DG-MDU and wayside station.	74.85
6.	TPJ	TPJ : Kallukuzhi Colony - replacement of corroded pipe lines.	43.00
		GOC : GOC - Ponmalai - Replacement of pipelines in colony to ensure uniform distribution of water supply 'C' type 1300 and F type 500 (id:495/05-06)	61.47
7.	CN/MS	Nil	
8.	MTP	Nil	

Work in Progress :—

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

1.	MAS	Nil	
2.	SA	Nil	
3.	PGT	Nil	
4.	TVC	Nil	
5.	TPJ	Nil	
6.	MDU	MDU Jn. : Providing ladder arrangement etc. all open wells and GLRs storeyed type Qrs @ MDU colony in Qrs. No.490, 501, 504, 505, 462, 480, 483, 467, 457, 469, 456, 454, 422, 419, 372, 374.	5.39
		MPA station : Construction of collection well.	4.68
		MDU : Renewal of corroded pipeline in Railway hospital and telephone exchange area.	4.89
7.	CN/MS	Nil	
8.	MTP	Nil	

II - Improvements to Sanitation**(A) Work Completed :—**

i) Works costing more than ₹ 5 lakhs each.

1.	MAS	MPK Agt.No.101/B/MAS Cleaning and maintenance of existing sewer lines at SG, NBK, MS, MSB, MSF, MMC, MAS & NGO for a period of one year.	27.37
		PWQ : Renewal of internal and external sewer system.	114.80

Sl. No.	Division	Station & Name of Works	Estimate (cost in lakhs)
2.	SA	Nil	
3.	PGT	Nil	
4.	TVC	Nil	
5.	TPJ	Nil	
6.	MDU	Nil	
7.	CN/MS	Nil	
8.	MTP	Nil	

II - Improvements to Sanitation**(A) Work Completed :—**

(i) Works costing more less ₹ 5 lakhs each.

1.	MAS	Nil	
2.	SA	Nil	
3.	PGT	CLT : Removal of sledge from collection well and septic tanks in colony.	0.72
4.	TVC	Nil	
5.	TPJ	Nil	
6.	MDU	MAP station : Reconstruction of damaged septic tank and pump house.	4.89
7.	CN/MS	Nil	
8.	MTP	Nil	

Improvements to Sanitation**Work in Progress :—**

(ii) Works costing more than ₹ 5 lakhs.

1.	MAS	MPK : Cleaning and maintenance of existing sewerage lines at SG, MPK, MS, MSF, MMC, MAS & NGO for a period of two years 2009-11.	6.05
		PER : Cleaning and maintenance of existing sewer lines at PER, PTC, PWQ for a period of two years.	31.56
		Cleaning of GLR at ADEN/II/Bldg jurisdiction for the period of two years.	8.79
2.	SA	KRR : Provision of drainage arrangements	10.00
3.	PGT	MAQ : Improvements to sewerage pipe line in South and North colony.	12.07
		MAQ : Renewal of under ground sewerage pipes and construction of additional manhole in MAQ colony.	33.92
4.	TVC	TVC : Improvements to drainage arrangements to Railway Colonies.	18.00
5.	MDU	Nil	
6.	TPJ	Nil	
7.	CN/MS	Nil	
8.	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.	MTP	Nil	

Sl. Divi- No. sion	Station & Name of Works	Estimate (cost in lakhs)
III - Other Staff Amenity Works		
(A) Works Completed :—		
i) Works costing more than ₹ 5 lakhs each.		
1. MAS	AVD : Brightening of staff quarters	
2. SA	ED : Construction of additional 2 suits in first floor of ORH.	9.90
	ED : Replacement of perished wooden rafters and reapers with steeltruss and tubular reaper support for existing mangalore tiled	30.00
	PTJ : Reconstruction of collapsed existing Auditorium for the Railway institute (id:OT/107-08) CE/OL.	8.98
	ED & PTJ : Construction of Community hall.	155.00
	SA Dn. : Construction of Staff rest room at SLY, MAP & KRR.	29.22
3. PGT	KNKD Rest room for TTEs with 20 beds.	53.70
	SRR Rest room for TTEs with 20 beds.	74.47
	MAQ : Construction of subordinate rest house.	6.89
	PGT : Replacement of RPF mobilisation hall	113.59
	PGT : Provision of percolating filter for existing septic tank.	39.80
	PGT : Improvement to officers club	19.10
	PGT : Construction of TRD office to DFM office.	14.94
4. TVC	TVC : Repairs to staff quarters at Thampanoor and Poojappura.	58.48
	TVC : Repairs to Staff quarters at Poojappura.	70.61
	TVC : Repairs to approach road at colonies	64.13
	TVC : Coaching depot - Building for staff canteen.	12.70
	TVC : Rest room for track machine staff	12.49
5. MDU	MDU Dn. : Provision of doors at the extended verandha in all type I Qrs. (3/08/5).	28.0
	MDU Jn. : Improvements to Rail Kalyanamandapam.	9.90
	MDU P.Way Section. : Renewal of all damaged wooden doors and windows in Type I & II Staff Quarters @ MDU, DSLP, ADPT, TE, BDNK, 9/0 (13).	26.35
6. TPJ	VRI : Improvements to kitchen under sanitary works in VRI type I and improvements to front varandah in Type I & II.	29.30
	VRI Colony : Improvements to backyard door, that and toilet door in various staff quarters in VRI colony under corporate plan.	27.77
7. CNMS	Nil	
8. MTP	Nil	
(ii) Works costing less than ₹ 5 lakhs.—		
1. MAS	Nil	
2. SA	Nil	
3. PGT	CAN : Brightening of staff quarters	2.94
	CAN : Repairs to path way of Staff quarters.	0.34
	CAN : Repairs to Qrs.No.18/AB & 10	1.46

Sl. Divi- No. sion	Station & Name of Works	Estimate (cost in lakhs)
	CLT : Repairs to flooring of Quarters No.42, 136, 137, 138, 144, 130, 131, 132, 133, 134, 141, 142, 143, 139 (65 units Type I)	2.88
	CLT : CLT Brightening of staff quarters	0.90
	CLT : CLT Repairs to the doors of toilet and bath rooms of Staff Quarters.	2.92
	KGQ : KGQ Proposed replacement of perished/dilapidated wooden/GI backyard doors.	1.94
	PGT : Improvements to Railway Sports ground.	4.49
4. TVC	Nil	
5. TPJ	Nil	
6. MDU	Nil	
7. CNMS	Nil	
8. MTP	Nil	
(iii) Other Staff Amenity Works.		
(ii) Works in Progress.		
(ii) Works costing more than ₹ 5 lakhs.		
1. MAS	Provision of toilet for LC and railway motorman.	15.10
	Proposed RPF room for construction of crew booking office.	15.47
	ANNR : Improvements to leaky roof and renewal of corroded pipes.	30.67
	GDR : PER repairs to flooring and various works at GSD PER.	40.46
	PWQ : Improvements to staff quarters in PWQ and leaky roof in PER.	101.86
	Improvements to staff quarters at PER.	144.00
	PER & PT colony : Repairs to the existing front and back doors of Staff Quarters at XIII street.	104.99
2. SA	Coonoor : Coonoor - Reroofing of Type I Quarters 30 units (id 1543/LAW 07-08) CE/OL.	30.00
	Udagamandalam : Re-roofing of Type I Qrs. 30 units (id.1568/LAW 07-08) CE/OL.	28.00
3. PGT	SRR : Provision of barracks for RPF subordinated dormitory with 2 beds construction of Supervisor's rest house with two rooms.	62.45
	MAQ : Rest room for TTEs with 20 beds.	57.95
	MAQ : Construction of Type IV Quarters for ADME.	19.91
	MAQ : Brightening of staff quarters & Office buildings etc.	13.83
	MAQ : Improvements to Staff quarters by fixing grills and replacing of perished doors.	7.78
	MAJN : Combined crew booking centre	25.31
	MAQ : Construction of officers rest house with 2 units.	14.98
4. TVC	TVC : Repairs to staff quarters at Thampanoor and Poojappura.	55.48
	TVC : Repairs to Staff quarters at Poojappura.	76.61

Sl. Divi- No. sion	Station & Name of Works	Estimate (cost in lakhs)
5.TPJ	GOC : Improvements to staff quarters in DSL shed. 76 units under Corporate Welfare plan.	24.32
	TPJ : Reroofing and roof treatment of Staff Quarters (Type I & II) at UMG, VLU, NVL & KJPD.	29.45
	Crawford Colony : Improvements to Quarters Type II 24 units viz. flooring road, doors and windows.	29.61
	Kallukuzhi Colony : Pro. sloped RCC roof in lieu of the existing damaged and perished MAQ tiled roof.	29.24
	TPJ-KG : Retiling of MAQ tiled roof and renewal of damaged rafters, doors under Corporate Welfare Plan.	29.45
	TPJ : Improvement to toilet, bathroom flooring, doors and windows, court yard for Type II - 42 units in Kallukuzhi.	29.83
	VM : Improvement to Staff quarters. Replacing damaged back doors, provision of new drainage outlets.	29.62
	VRI : Pro. Renovation of toilets and bathroom by providing files, re-roofing etc. under Corporate Welfare Plan.	47.40
	DG road colony : Improvements to the flooring of old type IV Quarters and Park and underground sewage.	29.94
6. MDU	Nil	
7. CN/MS		137.01
8. MTP	Nil	

(iii) Other Staff Amenity Works**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. SN/MS	Nil
8. MTP	Nil

IV - Hospitals and Health Units**(A) Works Completed :—****i) Works costing more than ₹ 5 lakhs**

1. MAS	Nil	
2. SA	ED : Repairs to sub Divisional hospital	19.24
3. PGT	Nil	
4. TVC	Nil	
5. TPJ	TNM : Modernisation of the health unit with improvements to walls and flooring toilets at TNM.	6.46
6. MDU	Nil	
7. CN/MS	Nil	
8. MTP	Nil	

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. CN/MS	Nil
8. MTP	Nil

Sl. Divi- No. sion	Station & Name of Works	Estimate (cost in lakhs)
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(B) Work in Progress :—**i) Works costing more than ₹ 5 lakhs each.**

1. MAS	Nil	
2. SA	Nil	
3. PGT	CAN : Remodelling health units	10.54
4. TVC	Pettah : Provision of ICU in space near operation theatre (Four bed) Repairs to Railway Hospital building and premises.	9.90 7.79
5. TPJ	GOC : Improvements to Operation theatre Phase II	10.00
6. MDU	Nil	
7. CN/MS	PER - New Railway hospital PH-I, PER - New Railway Hospital PH-II and construction of accommodation for relations of indoor patients.	12894.12
8. MTP	Nil	

ii) Works costing less than ₹ 5 lakhs each.

1. MAS	Nil	
2. SA	Nil	
3. PGT	MAQ : Proposed improvement to health nit at MAQ	4.90
4. TVC	Nil	
5. TPJ	Nil	
6. MDU	Nil	
7. CN/MS	Nil	
8. MTP	Nil	

V - School and Hostel**(A) Works Completed :—****i) Works costing more than ₹ 5 lakhs each.**

1. MAS	AJJ : Construction of Physics and Chemistry Lab for railway school.	10.00
2. SA	ED : Construction of P.Way training school for Class IV staff including staff.	49.50
3. PGT	Nil	
4. TVC	Nil	
5. TPJ	TPJ/RPF/TC/KG : Construction of 4 Nos. of Class room.	29.92
6. MDU	Nil	
7. CN/MS	Nil	
8. MTP	Nil	

(B) 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. CN/MS	Nil
8. MTP	Nil

Sl. No.	Division	Station	Name of Works	Estimate (cost in lakhs)
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(B) Work in Progress :—

i) Works costing more than ₹ 5 lakhs each.

1.	MAS		Zone C2 maintenance of all buildings and roads in PER Colony RMHSS Railway school GSD-PER	45.00
2.	SA	Nil		
3.	PGT	Nil		
4.	TVC		NCJ : Subordinate rest room in first floor of station building.	9.90
5.	TPJ		TPJ : New building for Divisional P. Way school.	75.15
6.	MDU	Nil		
7.	CN/MS	Nil		
8.	MTP	Nil		

(B) Works in Progress

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.	CN/MS	Nil
8.	MTP	Nil

VI - Running Room**(A) Works Completed :—**

i) Works costing more than ₹ 5 lakhs each.

1.	MAS	Nil		
2.	SA		TPT : Construction of first floor in the running room.	10.18
3.	PGT	Nil		
4.	TVC	Nil		
5.	TPJ		MV : 30 bedded running room	87.62
			TPJ : Upgradation of existing running room	28.57
6.	MDU	Nil		
7.	CN/MS	Nil		
8.	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	KKDI : Reflooring of running room	2.50
		SCT : Repairs and re-roofing of leaky	4.80
		Mangalore tiled roof at kitchen and dining	
		hall in running room	
7.	CN/MS	Nil	
8.	MTP	Nil	

Sl. No.	Division	Station	Name of Works	Estimate (cost in lakhs)
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(B) Work in Progress :—

i) Works costing more than ₹ 5 lakhs each.

1.	MAS		AVD : Construction of 2 running room brightening of running room.	22.23
2.	SA	Nil		
3.	PGT	Nil		
4.	TVC		NCJ : Construction of new running room.	57.00
			TVC Dn. : Improvements to hot water arrangements in the running room by providing solar water heaters.	10.00
			TVC Dn. : Improvements to ventilated lighting arrangements in the running Bungalow rest house.	9.90
5.	TPJ		VM : combined running room	158.00
6.	MDU	Nil		
7.	CN/MS	Nil		
8.	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.	CN/MS	Nil
8.	MTP	Nil

VII - MISC. WORKS**(A) Works Completed :—**

i) Works costing more than ₹ 5 lakhs each.

1.	MAS	Nil		
2.	SA		PTJ : Barracks for RPF.	75.00
			CB : Proposed BT road for goods shed	5.10
			PTJ S&T Workshop facilities including air conditioning for enhancement of production capacity.	5.75
3.	PGT	Nil		
4.	TVC	Nil		
5.	TPJ		GOC : Ponmalai GOC construction of ladies rest room in production diesel and C&W wings of central workshop.	14.88
			TNM : Construction of holiday home for C&D staff 4 units.	9.89
			GOC : Ponmalai Construction of new office building at GSD/GOC.	15.67
			TPJ : Rebuilding of cracked office building of SE/W/TPJ & SE/P.Way/TPJ.	29.98
			TPJ : Conversion of old model room into yoga and indoor game hall @ ZRTI/TPJ	29.63
			TPJ : Construction of additional auditorium over the existing building for ZRTI/TPJ	29.94
			TPJ : RPF/TC/KG Construction of barracks for RPF staff 30 beds capacity.	29.96
6.	MDU		DG Jn. : Construction of building for Railway institute	9.90
			MDU : Additional accommodation of officers rest house.	9.99
			MDU Jn. : Upgradation of Divisional P.Way Training School.	12.13
7.	CN/MS	Nil		
8.	MTP	Nil		

Sl. No.	Division	Station	Name of Works	Estimate (cost in lakhs)
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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.	CNMS	Nil		
8.	MTP	Nil		

(B) Work in Progress :—

i) Works costing more than ₹ 5 lakhs each.

1.	MAS	Wheel parking shed.	28.70
2.	SA	CBE : Proposed Supervisors rest house in 1 floor of station building.	7.91
		MTP CBE & S. : Replace of back yard doors of Staff Quarters.	5.20
		PTJ, MTP : Reroofing of leaky roof of staff quarters with MS channel & BOX section in colony.	6.35
3.	PGT	Nil	
4.	TVC	ERS : Construction of Railway Institute	9.90
		Improvements to Thampanoor Railway institute.	9.90
		Ernakulam : Construction of Railway Institute cum women's welfare organisation with creche facilities, children park play ground.	9.90
		TVC Dn. : Replacement of age old ceiling fans/provision of additional fans in Quarters.	27.00
5.	TPJ	TP & VRI : Construction of Community hall at TP & VRI	120.00
		TPJ JN. : Kimber garden 5 BN RPSF	30.00
		Proposed construction of SO's barracks.	
		TPJ - KG : RPJ training centre - TPJ	27.67
		Construction of compound wall with barbed wire and fencing around 74.42 acres at 5BN/RPSF/TPJ	
6.	MDU	RMM station : Reconstruction of Staff Quarters Type II 4 units in lieu of condemn Qrs.No.RMM 7,8 & 13 A-II	29.90
		MDU : Pro. Extension of OP block and construction of separate accommodation for special clinic in Railway hospital.	9.90
7.	CNMS	Nil	
8.	MTP	Nil	

Sl. No.	Division	Station	Name of Works	Estimate (cost in lakhs)
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Works in Progress

ii. Works costing less than ₹ 5 lakh.

1.	MAS	Nil	
2.	SA	PTJ : Improvements to Office & Store of SSE P.Way/E/PTJ.	4.10
3.	PGT	Nil	
4.	TVC	Nil	
5.	TPJ	Nil	
6.	MDU	MDU Improvements to toilet block 4 seat for gents, bathing tub and providing hand ball court at RMHSS.	4.90
7.	CN/MS	Nil	
8.	MTP	Nil	

20. Level Crossing

1.	No. of level crossing category-wise (As on 31-3-2010)	
	Special Class	447
	'A' Class	179
	'B' Class	72
	'C' Class	1072
	'C' Class unmanned	1151
	Canal Crossing	9
	Total	2930
2.	No. of level crossings manned during 2009-10	
	a) Safety Fund.	31
	b) At State Government's Cost (Reimbursable From 80% Segment of RSWF)	Nil
	d) Others (MPLADS)	Nil
	Total	31
3.	No. of level crossings where additional men were provided without upgrading during 2009-10.	6
4.	No. of level crossings upgraded during 2009-10	81
5.	No. of level crossings provided with Lifting Barriers during 2009-10.	Nil
	a) Inter-locked level crossings.	3
	b) Non-interlocked level crossings.	3
	Total	6
6.	No. of level crossings where traffic census was taken in 2009-10 and action taken in such cases.	58
7.	No. of level crossings downgraded during 2009-10	Nil
8.	No. of level crossings De-manned/Closed during 2009-10.	21

21. Statistics of Rail Usage

(a) Rail renewal carried over on various sections during the year 2009–2010

Name of the Section	UP/DN/ SL	Year of sanction	Sanctioned Length	Exg. Rail Section	Rail Renewal done with	Length Renewed during the year	Remarks
BROAD GAUGE							
ROUTE-'A'							
Chennai Central-Gudur	.. Yard	2007-08	1.20	90R	52 kg II	0.20	..
ROUTE-'B'							
Chennai Central-Arakkonam	Up	2004-05	2.00	52 kg	60 kg	1.00	..
Chennai Central-Arakkonam	.. Yard	2004-05	2.50	90R/90BH	52 kg II	0.30	..
Chennai Central-Arakkonam	Yard	2005-06	6.36	90R/90BH	52 kg II	2.00	..
Chennai Central-Arakkonam	Yard	2005-06	2.50	90R/90BH	52 kg II	1.00	..
Chennai Central-Arakkonam	Yard	2007-08	0.42	90R	52 kg II	0.42	..
Chennai Central-Arakkonam	UP	2008-09	0.76	52kg	60kg	0.76	..
Chennai Central-Arakkonam	UP/DN	2008-09	15.14	52kg	60kg	13.60	..
Chennai Central-Arakkonam	UP	2008-09	0.50	60kg	60kg	0.50	..
Chennai Central-Arakkonam	UP	2008-09	0.75	60kg	60kg	0.75	..
Chennai Central-Arakkonam	DN	2008-09	0.75	60kg	60kg	0.75	..
Chennai Central-Arakkonam	UP	2008-09	0.45	60kg	60kg	0.45	..
Chennai Central-Arakkonam	DN	2008-09	0.50	60kg	60kg	0.50	..
Chennai Central-Arakkonam	DN	2008-09	0.45	60kg	60kg	0.50	..
Chennai Central-Arakkonam	Yard	2008-09	0.90	90R	52kg II	0.90	..
Chennai Central-Arakkonam	Yard	2009-10	1.08	52kg II	52kg	0.26	..
Arakkonam - Jolarpettai	.. Yard	2007-08	0.40	90R	52 kg II	0.40	..
Arakkonam - Jolarpettai	.. Yard	2007-08	0.40	90R	52 kg II	0.40	..
Arakkonam - Jolarpettai	.. Yard	2007-08	0.42	52 kg	52 kg	0.42	..
Arakkonam - Jolarpettai	.. Yard	2007-08	0.49	52 kg	52 kg	0.49	..
Arakkonam - Jolarpettai	.. UP	2009-10	1.55	52 kg	60 kg	1.55	..
Arakkonam - Jolarpettai	.. UP	2009-10	7.94	60 kg	60 kg	5.00	..
Arakkonam - Jolarpettai	.. Yard	2002-03	12.09	90R	52 kg	1.65	..
Arakkonam - Jolarpettai	.. DN	2006-07	6.59	52 kg	60 kg	2.68	..
Arakkonam - Jolarpettai	.. UP/DN	2007-08	13.30	52 kg	60 kg	4.22	..
Arakkonam - Jolarpettai	.. DN	2007-08	18.95	60 kg	60 kg	0.92	..
Arakkonam - Jolarpettai	.. UP	2009-10	1.00	60 kg	60 kg	1.00	..
Arakkonam - Jolarpettai	.. UP	2009-10	1.00	60 kg	60 kg	1.00	..
Arakkonam - Jolarpettai	.. UP	2009-10	1.17	60 kg	60 kg	0.33	..
Arakkonam - Jolarpettai	.. UP/DN	2008-09	13.74	52 kg	60 kg	4.50	..
Arakkonam - Jolarpettai	.. DN	2008-09	2.25	60 kg	60 kg	1.98	..
Arakkonam - Jolarpettai	.. Yard	2008-09	3.00	90R	52 kg II	2.50	..
Arakkonam - Jolarpettai	.. Yard	2008-09	8.00	90R	52 kg II	2.41	..
Arakkonam - Renigunta	.. UP/DN	2009-10	12.59	52 kg	60 kg	9.16	..
Jolarpettai - Erode	.. DN	2005-06	8.67	52 kg	60 kg	0.83	..
Jolarpettai - Erode	.. DN	2008-09	3.56	52 kg/60 kg	60 kg	0.71	..
Jolarpettai - Erode	.. Yard	2008-09	3.00	90R	52 kg II	0.79	..
Jolarpettai - Erode	.. UP	2009-10	0.29	60 kg	60 kg	0.29	..
Jolarpettai - Erode	.. UP	2009-10	0.40	60 kg	60 kg	0.40	..
Erode - Irugur	.. DN	2009-10	0.26	52 kg	52 kg	0.26	..
Irugur - Coimbatore	.. Yard	2009-10	0.55	90R	52 kg II	0.55	..
Irugur - Coimbatore	.. Yard	2002-03	1.83	90R	52 kg II	0.75	..
Irugur - Podanur	.. SL	2009-10	6.45	52 kg	52 kg	6.45	..
Irugur - Coimbatore - Podanur	.. SL	2009-10	2.92	52 kg	52 kg	2.92	..
Erode - Podanur	.. Yard	2008-09	0.50	90R	52 kg	0.50	..
Erode - Podanur	.. Yard	2008-09	0.50	90R	52 kg	0.50	..
Podanur - Shoranur	.. Yard	2002-03	2.35	90R	52 kg II	1.04	..
Podanur - Shoranur	.. Yard	2004-05	3.70	90R/90BH	52 kg II	1.90	..
Podanur - Shoranur	.. B lines	2009-10	0.59	52 kg	52 kg	0.59	..
Podanur - Shoranur	.. UP	2009-10	1.30	52 kg	52 kg	1.30	..
Podanur - Shoranur	.. UP	2009-10	1.30	52 kg	52 kg	1.30	..
Podanur - Shoranur	.. UP	2009-10	1.30	52 kg	52 kg	0.15	..

Name of the Section	UP/DN/ SL	Year of sanction	Sanctioned Length	Exg. Rail Section	Rail Renewal done with	Length Renewed during the year	Remarks
Podanur - Shoranur	.. UP	2009-10	1.30	52 kg	52 kg	1.30	..
Podanur - Shoranur	.. UP	2005-06	0.80	52 kg	52 kg	0.80	..
Podanur - Shoranur	.. Yard	2007-08	0.47	90R	52 kg II	0.18	..
Podanur - Shoranur	.. Yard	2008-09	1.40	90R	52 kg II	1.40	..
Shoranur - Ernakulam	.. Yard	2007-08	6.32	90R	52 kg II	1.88	..
Shoranur - Ernakulam	.. DN	2005-06	28.98	52 kg	52 kg	5.01	..
Shoranur - Ernakulam	.. UP/DN	2006-07	5.26	52 kg	52 kg	1.20	..
Shoranur - Ernakulam	.. UP/DN	2004-05	0.60	52 kg	52 kg	0.60	..
Shoranur - Ernakulam	.. UP	2007-08	0.37	52 kg	52 kg	0.20	..
Shoranur - Ernakulam	.. UP	2007-08	0.40	52 kg	52 kg	0.40	..
Shoranur - Ernakulam	.. DN	2009-10	1.31	52 kg	52 kg	1.31	..
Shoranur - Ernakulam	.. DN	2009-10	1.40	52 kg	52 kg	1.40	..
Shoranur - Ernakulam	.. DN	2009-10	1.40	52 kg	52 kg	1.40	..
Shoranur - Ernakulam	.. Yard	2008-09	8.33	90R	52 kg II	0.57	..
Villupuram - Tiruchchirappalli	.. Yard	2007-08	0.40	90BH	90R II	0.78	..
Villupuram - Tiruchchirappalli	.. Yard	2008-09	0.35	90BH	90R II	0.35	..
Villupuram - Tiruchchirappalli	.. Yard	2008-09	0.48	90R	52 kg	0.48	..
Villupuram - Tiruchchirappalli	.. Yard	2007-08	0.48	90R	52 kg	0.48	..
Villupuram - Tiruchchirappalli	.. Yard	2008-09	0.70	90R	52 kg	0.70	..
Villupuram - Tiruchchirappalli	.. Yard	2008-09	0.70	90R	52 kg	0.38	..
Villupuram - Tiruchchirappalli	.. Yard	2007-08	0.70	90R	52 kg	0.70	..
Villupuram - Tiruchchirappalli	.. Yard	2008-09	0.40	90BH	52 kg II	0.40	..

ROUTE-'D' Special

—Nil—

ROUTE-'D'

Karur - Dindigul	.. SL	2008-09	1.10	52 kg	52 kg	1.10	..
Karur - Dindigul	.. SL	2009-10	0.80	52 kg	52 kg	0.80	..
Shoranur - Mangalore	.. Yard	2005-06	3.41	90R II	52 kg II	0.81	..
Shoranur - Mangalore	.. Yard	2008-09	5.03	90R	52 kg	2.71	..
Shoranur - Mangalore..	.. DN	2008-09	0.30	52 kg	52 kg	0.30	..
Shoranur - Mangalore	.. DN	2009-10	0.14	52 kg	52 kg	0.14	..
Shoranur - Mangalore..	.. DN	2009-10	1.30	52 kg	52 kg	1.30	..
Shoranur - Mangalore..	.. DN	2009-10	1.30	52 kg	52 kg	1.30	..
Shoranur - Mangalore	.. DN	2009-10	1.30	52 kg	52 kg	1.30	..
Shoranur - Mangalore..	.. DN	2009-10	1.30	52 kg	52 kg	0.64	..
Ernakulam - Trivandrum Central	.. Yard	2003-04	18.44	90R	52 kg II	0.15	..
Ernakulam - Trivandrum Central	.. UP/DN	2005-06	6.81	52 kg	52 kg	0.58	..
Ernakulam - Trivandrum Central	.. UP/DN/S	2007-08	14.86	52 kg	52 kg	6.30	..
Ernakulam - Trivandrum Central	.. SL	2005-06	0.40	52 kg	52 kg	0.40	..
Ernakulam - Trivandrum Central	.. SL	2005-06	0.60	52 kg	52 kg	0.60	..
Ernakulam - Trivandrum Central	.. SL	2006-07	0.46	52 kg	52 kg	0.46	..
Ernakulam - Trivandrum Central	.. SL	2006-07	0.50	52 kg	52 kg	0.50	..
Ernakulam - Trivandrum Central	.. SL	2006-07	0.52	52 kg	52 kg	0.52	..
Ernakulam - Trivandrum Central	.. DN	2008-09	0.40	90R	52 kg	0.40	..
Ernakulam - Alleppey - Trivandrum Central	.. SL	2005-06	4.75	52 kg	52 kg	2.25	..
Madurai - Virudunagar	.. SL	2009-10	1.25	52 kg	52 kg	1.25	..
Madurai - Virudunagar	.. SL	2009-10	1.10	52 kg	52 kg	0.65	..
Virudunagar - Vanchi Maniyachi	.. SL	2008-09	0.80	90R	52 kg II	0.80	..
Virudunagar - Vanchi Maniyachi	.. SL	2008-09	0.80	90R	52 kg II	0.80	..
Dindigul - Madurai	.. SL	2009-10	30.00	52 kg	52 kg	29.65	..
Dindigul - Madurai	.. SL	2009-10	12.10	52 kg	52 kg	9.09	..

ROUTE-'E' Special

—Nil—

ROUTE-E

Salem - Matur Dam	..	SL	2009-10	0.50	90R	52 kg II	2.20	..
Trivandrum Central - Nagercoil	..	SL	2007-08	5.06	90 R	52 kg	1.99	..
Trivandrum Central - Nagercoil	..	SL	2004-05	0.70	90 R	52 kg	0.70	..
Trivandrum Central - Nagercoil	..	SL	2008-09	24.03	90 R	52 kg	24.03	..
Nagercoil - Tirunelveli	..	SL	2008-09	22.00	90 R	52 kg	0.45	..
Nagercoil - Tirunelveli	..	SL	2009-10	22.23	90 R	52 kg	23.23	..
Tiruchchappalli Fort - Tiruchchappalli	..	SL	2007-08	0.45	90R	52kg	0.45	..
Tiruchchappalli Fort - Tiruchchappalli	..	SL	2008-09	0.55	90R	52kg	0.42	..
Villupuram - Pondicherry	..	SL	2009-10	15.37	52 kg II	60kg	8.78	..

Meter Gauge

ROUTE-Q	..	Nil						
ROUTE-R1	..	Nil						
ROUTE-R2	..	Nil						
ROUTE-R3	..	Nil						
ROUTE-S1	..	Nil						
ROUTE-S2	..	Nil						
ROUTE-S3	..	Nil						
Mettupalayam-Udagamandalam	..	SL	2004-05	18.27	50 R II/50 O	60 R II	9.50	..

21. (b) Average traffic in Gross Tonnes per running track kilometrage carried over on various sections during the year 2009-2010

(in millions)			
Section	Rail section	On section with ruling gradient upto 1 in 150	On section with ruling gradient steeper than 1 in 150
(1)	(2)	(3)	(4)

Broad Gauge

Group-A

Chennai Central	60 kg	28.18	-
Gummidipundi - (UP)	60 kg	23.99	-
Gummidipundi - Sullurupeta (UP)	60 kg	22.42	-
Sullurupeta - Gudur (UP)	60 kg	22.42	-
Chennai Central - Gummidipundi (DN)	52/60 kg	21.01	-
Gummidipundi - Sullurupeta (DN)	52/60 kg	16.82	-
Sullurupeta - Gudur (DN)	52/60 kg	15.25	-

Group-B

Chennai Central-Tiruvallur (Up) Fast	60 kg.	34.12	..
Chennai Central-Tiruvallur (Dn.) Fast	60 kg.	41.34	..
Chennai Central-Tiruvallur (Up) Slow	52/60 kg.	14.26	..
Chennai Central-Tiruvallur (Dn.) Slow	52/60 kg.	14.26	..
Tiruvallur-Arakkonam (Up)	60 kg.	39.04	..
Tiruvallur-Arakkonam (Dn.)	60 kg.	48.27	..
Arakkonam-Katpadi (Up)	52/60 kg.	27.56	..
Arakkonam-Katpadi (Dn.)	52/60 kg.	42.55	..

(in millions)			
Section	Rail section	On section with ruling gradient upto 1 in 150	On section with ruling gradient steeper than 1 in 150
(1)	(2)	(3)	(4)
Katpadi-Jolarpettai (Up)	52/60 kg.	27.42	..
Katpadi-Jolarpettai (Dn.)	52/60 kg.	42.42	..
Arakkonam-Tiruttani (Up)	60 kg.	34.99	..
Arakkonam-Tiruttani (Dn.)	52/60 kg.	22.62	..
Tiruttani-Renigunta (Up)	60 kg.	36.80	..
Tiruttani-Renigunta (Dn.)	52/60 kg.	24.42	..
Jolarpettai-Salem (Up)	52/60 kg.	..	22.62
Jolarpettai-Salem (Dn.)	52/60 kg.	..	33.27
Salem-Erode (Up)	52/60 kg.	..	23.66
Salem-Erode (Dn.)	52/60 kg.	..	28.46
Erode-Irugar (Up.)	52/60 kg.	..	20.61
Erode-Irugar (Dn.)	52/60 kg.	..	25.41
Irugar-Coimbatore-Podanur (SL)	52/60 kg.	..	25.41
Irugar-Podanur (SL)	52 kg.	..	20.61
Podanur-Palghat (Up)	52 kg.	..	17.69
Podanur-Palghat (Dn.)	52 kg.	..	21.05
Palghat-Shoranur (Up)	52 kg.	..	17.40
Palghat-Shoranur (Dn.)	52 kg.	..	20.39
Shoranur-	52 kg.	..	18.24
Ernakulam (Up)	..	..	..
Shoranur-	52 kg.	..	18.88
Ernakulam (Dn.)	..	..	..

(in millions)

Section	Rail section	On section with ruling gradient upto 1 in 150	On section with ruling gradient steeper than 1 in 150
(1)	(2)	(3)	(4)
GROUP-B—(Concl'd.)			
Chennai Beach—Tambaram (Up-EMU)	60 kg.	21.27	..
Chennai Beach—Tambaram (Dn.-EMU)	60 kg.	21.27	..
Tambaram—Chengalpattu (Up-EMU)	60 kg.	7.64	..
Tambaram—Chengalpattu (Dn.-EMU)	52 kg.	7.64	..
Chennai Beach—Chengalpattu	52 kg.	21.11	..
Chengalpattu—Melmaruvathur	52 kg.	21.38	..
Melmaruvathur-Villupuram	52 kg.	21.38	..
Villupuram—Tiruchchirappalli (Chord)	52 kg.	19.41	..
Tiruchchirappalli—Dindigul	52 kg.	12.47	..

Group -C

Chennai Beach—Velachery (UP)	60 kg.	..	7.06
Chennai Beach—Velachery (Dn.)	60 kg.	..	7.06

Group-D Special

—Nil—

Group -D

Erode-Tiruchchirappalli Fort	52 kg	-	12.19
Ernakulam - Quilon	52 kg	-	20.46
Quilon - Trivandrum Central (UP)	52 kg	-	15.01
Quilon - Trivandrum Central (DN)	52 kg	-	8.88
Ernakulam - Alleppey	52 kg	14.34	-
Alleppey - Kayankulam	52 kg	12.00	-
Shoranur -Calicut (UP)	52 kg	11.57	-
Shoranur -Calicut (DN)	52 kg	11.57	-
Calicut - Cannanore (UP)	52 kg	10.76	-
Calicut - Cannanore (UP)	52 kg	10.76	-
Cannanore - Mangalore (UP)	52 kg	-	9.05
Cannanore - Mangalore (DN)	52 kg	-	9.05
Mangalore - Thokkur	52 kg	-	6.77
Karur - Dindigul	52 kg	8.64	-
Dindigul - Madurai (UP)	52 kg	10.42	-
Dindigul - Madurai (DN)	52 kg	9.72	-
Madurai - Virudunagar	52 kg	15.53	-
Virudunagar - Vanchi Maniyachchi	52 kg	15.53	-

(in millions)

Section	Rail section	On section with ruling gradient upto 1 in 150	On section with ruling gradient steeper than 1 in 150
(1)	(2)	(3)	(4)
Villupuram - Vellore Contonment	52 kg	-	0.05
Vellore Contonment - Katpadi	52 kg	-	0.32
Villupuram - Mayiladuthurai	52kg	0.45	-
Mayiladuthurai - Kumbakonam	52 kg	6.37	-
Kumbakonam-Thanjavur	52 kg	6.37	-
Thanjavur - Tiruchchirappalli	52 kg	6.37	-

—Nil—

Group ' E '

Walajah Road - Ranipet	80BH	-	-
Salem - Metur Dam	52 kg	-	20.14
Tiruchchirappalli Fort - Tiruchchirappalli Jn.	52 kg	-	7.31
Coimbatore - Mettupalaiyam	52 kg/44.61	-	1.13
Palghat - Palghat Town	52 kg/44.61	-	1.95
Shoranur - Nilambur Road	52 kg/44.61	-	2.67
Ernakulam - Cochin Harbour Terminus	52 kg	-	-
Trivandrum Central - Nagercoil	52 kg	-	8.03
Nagarcoil - Tirunelveli	52 kg	-	8.57
Nagercoil - Kanniyakumari	52 kg	-	8.03
Tirunelveli - Vanchi Maniyachchi	52 kg	10.55	-
Vanchi Maniyachchi - Tuticorin	52 kg	6.38	-
Trichur - Guruvayur	44.61	1.90	-
Chengalpattu - Tirumalpur	52 kg	2.31	-
Tirumalpur - Arakkonam	52 kg	1.49	-
Villupuram - Pondicherry	52 kg	4.60	-
Cuddalore Port - Vriddhachalam	52 kg	-	1.69
Vriddhachalam - Salem	52 kg	-	3.86
Virudunagar - Tenkasi	52 kg	2.67	-
Tenkasi - Sengottai	52 kg	2.67	-
Tiruchchirappalli - Karaikkudi - Manamadurai	52 kg	2.17	-
Thanjavur - Tiruvarur	52 kg	2.62	-
Tiruvarur - Nagore	52 kg	4.15	-
Madurai - Manamadurai	52 kg	1.46	-
Manamadurai - Rameswaram	52 kg	3.40	-
Punalur - Quilon	52 kg	-	-
Tirunelveli - Tiruchendur	52 kg	-	1.51

(in millions)

Section	Rail section	On section with ruling gradient upto 1 in 150	On section with ruling gradient steeper than 1 in 150
(1)	(2)	(3)	(4)
Route-R 1			
NIL			
Route-R 2			
Villupuram-Manamadurai	37.13/29.76	..	..
Route-R 3			
Dindigul-Pollachi	37.13/37.13	..	0.08
Route-S1			
Mayiladuturai-Tiruvarur	31.13/29.76	0.00	..
Tiruvarur-Tiruturaipundi	37.13	0.42	..
Tiruthuraipundi-Karaikkudi	44.61/37.13	0.41	..
Tenkasi-Sengottai	44.61/37.13	0.00	..
Sengottai-Punalur	44.61/37.13	..	0.96
Route-S 2			
Pollachi-Palghat	29.76	..	0.00
Tirunelveli-Tenkasi	29.76	..	0.00
Route-S 3			
Mettupalaiyam-Udagamandalam	24.80/29.76	..	0.16
Tiruturaipundi-Agastiyampalli	29.76	0.00	..
Madurai-Bodinayakanur	29.76/24.80	..	0.14

22. Modernisation of Track Maintenance :

As part of Track Modernisation, Southern Railway has been in the forefront in deployment of machines for Track Laying and 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 three decades with 7 Duomatic Tamping Machines, 4 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, 3 Ballast Regulating Machines, 5 Dynamic Track Stabilisers, 2 Points & Crossing Laying Machines, 1 Track Relaying Train, 4 Utility Track vehicles, 1 Jumbo Vacuum Cleaner (VM170) and 2 Portal cranes.

Tamping of 7560.58 km was done by the machines during 2009-10 in the Shatabdhi and other high speed and high density routes on the Railway.

Track relaying for 70.354 km. by PQRS cranes and Track Relaying Train was also done during this year.

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

Ballast Collection (lac cum)	8.02
Ballast insertion (lac cum)	8.39
Deep screening (km.)	449.12
USFD (km.)	12599

23. Stabilisation of Bad Banks

Formation treatment has been carried out in a total length of 0.74 km. during the year 2009-10.

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	102.70	1901	Unlined	Curve	
3	MDU	SCT-QLN	MG	3	693/4-5	86.30	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	Unlined	Curve	
8	SA	MTP-UAM	MG	3	12/3-5	83.52	1897	Unlined	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	
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	Unlined	Curve	
14	SA	MTP-UAM	MG	9	17/10-11	30.48	1899	Unlined	Curve	
15	SA	MTP-UAM	MG	10	19/5-6	20.12	1899	Unlined	Curve	
16	SA	MTP-UAM	MG	11	19/11-12	62.48	1899	Unlined	St/Curve	
17	SA	MTP-UAM	MG	12	21/3-4	95.10	1897	Unlined	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	Unlined	Straight	

24. Length of Tunnels**Length of Tunnels on Southern Railway as on 31st March 2009**

Sl. No.	Divn.	Section	Gauge	Tunnel No.	Location	Length in 'm'	Year of Const.	Lined/Unlined	Straight/Curve	Remarks
20	SA	MTP-UAM	MG	15	42/5-6	53.64	1907	Lined	Curve	
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	Sr./Curve	Important
23	PGT	SRR-MAQ	BG	1198A Dn	835/7-9	161.40	1905	Unlined	Curve	Important
24	PGT	SRR-MAQ-	BG	1198A Up	835/7-9	175.00	2003	Unlined	Curve	Important
25	TVC	ERS-KTYM-K	BG	1	60/4-5	66.68	1958	Lined	Straight	
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	Important
28	TVC	TVC-NCJ	BG	4	250/7-12	200.60	1979	Lined	2.5 deg.	Important
29	TVC	TVC-NCJ	BG	5	254/8-9	40.10	1979	Lined	2.0 deg.	
30	TVC	TVC-NCJ	BG	6	256/15-257/3	130.05	1979	Lined	1.0 deg.	
31	TVC	TVC-NCJ	BG	7	261/14-16	80.00	1979	Lined	1.0 deg.	

Note.—Any Tunnel Longer than 150m. may be considered as **IMPORTANT** as per RDSO/LKO Letter No. : CBS/Imp. Br. & Tunnels dated : 05/11/1999.

SUMMARY

Sl.No.	Divn	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

25. Details of Lineal Waterway

Divn.	Broad Gauge		Metre Gauge		Gauge Conversion		Total	
	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10
Important ..	12334.230	14334.230	5854.050	0.000	0.000	3854.050	18188.280	18188.280
Major ..	29510.560	32010.560	9621.410	1406.736	0.000	6242.200	39131.970	39659.496
Minor ..	22928.876	26426.875	8106.054	380.000	0.000	4986.054	31034.930	31792.929
Total ..	64773.666	72771.665	23581.514	1786.736	0.000	15082.304	88355.180	89640.705

Note: Due to decrease in meter gauge DG-POY -PGT-POY, MV-KKDI, MDU-BDY, QLN-TEN-TCN, VM-KPD and TSI-VPT sections are under Gauge Conversion.

Due to increase in Broad gauge TPJ-MNM, TJ-VM & MDU-RMM Gauge conversion works are completed.

26. Building Activities**(i) Statement showing number of projects, plinth area, estimated cost and value of work done during 2009-2010.**

Sl. No.	Construction Stage	No. of Projects in Units	Total Plinth area in sq.mtrs.	Total floor area in sq. mtrs.	Estimate cost in lakhs. of ₹	Value of the work done during the period (in lakhs of ₹)	Value of the work done upto the end of the period (in lakhs of ₹)
Residential buildings							
A	Family Quarters						
	(a) In progress ..	431	19048.66	27139.40	6803.85	1228.27	1484.60
	(b) Completed ..	165	16845.09	7876.10	1442.23	1121.74	0.00
B	Non-family dwelling barracks etc.						
	(a) In progress ..	2	285.60	251.28	72.88	34.35	34.35
	(b) Completed ..	4	407.17	344.94	84.39	6.10	6.10
C	Industrial buildings (Factories, Workshop etc.)						
	(a) In progress ..	0	0.00	0.00	0.00	0.00	0.00
	(b) Completed ..	0	0.00	8	388.09	0.00	0.00
D	Commercial buildings (Ware houses, Workshops etc.,)						
	(a) In progress ..	8	3157.45	6380.84	3269.23	274.09	274.09
	(b) Completed ..	4	97.50	92	113.35	8	8
E	Institutional buildings (School, Hospital, Dispensaries, Religious buildings etc.,)						
	(a) In progress ..	2	10000	12000	1536	0	0
	(b) Completed ..	6	8800	9255	1412.88	343	1147
F	Other buildings						
	(a) In progress ..	19	3979	3118.06	703.78	156.1	117.64
	(b) Completed ..	5	0	0	114.30	0	0

(ii) Statement showing number of addition and alterations of projects, plinth area, estimated cost and value of work done during 2009-2010.

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 ₹)	Value of the work done during the period (in lakhs of ₹)	Value of the work done upto the end of the period (in lakhs of ₹)
Residential Buildings							
A	Family Quarters						
	(a) In progress ..	30	1683	94	42.50	7	0.00
	(b) Completed ..	16	728	272	67.80	67.79	0.00
B	Non-family dwelling barracks etc.,						
	(a) In progress ..	1	228	191	36	0	0
	(b) Completed ..	2	36	33	2.4	2.40	0.00
C	Industrial buildings (Factories, Workshop etc.)						
	(a) In progress ..	0	0	0	0	0	0
	(b) Completed ..	0	0	0	0	0	0
D	Commercial buildings (Ware houses, Workshops etc)						
	(a) In progress ..	1	127	0	0	0	0
	(b) Completed ..	1	75	0	0	0	0
E	Institutional buildings (School, Hospital, Dispensaries, Religious buildings etc.						
	(a) In progress ..	0	0.00	0.00	0.00	0.00	0.00
	(b) Completed ..	0	0.00	0.00	0.00	0.00	0.00
F	Other buildings						
	(a) In progress ..	0	0.00	0.00	0.00	0.00	0.00
	(b) Completed ..	0	0.00	0.00	0.00	0.00	0.00

iii) Number of dwelling Units/staff quarters (permanent structures) constructed and under construction during 2009-10.

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)	Progress ..	143	502	115	43	30	1
(b)	Completed ..	10	60	23	0	20	1

27. Land Management

(a) Tree Plantation

Position for the year 2009-2010 is as under :

(in thousands)

(in Hectares)

Name of States	Total No. of trees surviving as on 01.4.2009	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 31.3.2010
Tamil Nadu						
Karnataka						
Kerala .. .. .		..	..	..	..	..
Andhra Pradesh						
Total	1247.74	105.91	..	1353.65	..	..

No. of shady trees planted on platform during the year 2008-2009.

(b) Encroachments—Position of Encroachments on Railway Land

(i) The position for the year 2008-2009 is as under :

Total No. of encroachments as on 31-3-2009	Total No. of encroachments			Total No. of cases pending with Estate Officer at the beginning of the year 31-3-2010	No. of cases filed during the year	No. of cases decided during the year	Total No. of cases pending with Estate Officer as on 31-3-2010
	Added	Removed	Total No. of encroachments as on 31-3-2010				
9,316	0	1	9,315	2,640	0	0	2,640

(ii) Special Measures taken to remove encroachments :

(c) Position of Licensing Agreement : (Nos.) 2009-10

Item	Total No. of cases	Total No. of cases agreements executed	
a. G. M. F.	376	376	..
(i) Railway employees ..	..	..	..
(ii) Outsiders ..	..	..	..
b. Commercial plots including vending by Comm. Deptt.	15	15	..
c. Engineering plots ..	120	111	..
d. Shopping plots (Engg. Deptt.)	10	9	..
e. Oil plots ..	57	50	..
f. Others ..	118	117	..
Total ..	696	678	..

(d) Engg. Earnings from land resources (in Thousands of ₹)

Sl. No.	Description	Actual earnings for last three years			Remarks
		2007-08	2008-09	2009-10	
1.	Licensing of land for G. M. F.	3.29	2.39	3.55	
2.	Sale of Grass rights ..	0.02	0.00	0.00	
3.	Sale of Fruit rights ..	1.15	0.00	0.00	
4.	Sale of Fishery rights ..	0.00	0.00	0.00	
5.	Sale of matured green trees and dry trees.	81.13	102.98	122.01	
6.	Licensing of land for shopping purposes including tehbazari purposes.	1.34	50.74	21.49	
7.	Licensing of land for Oil Companies	338.12	379.1	1395.08	
8.	Licensing of land for other purposes	469.67	2662.34	3911.40	
9.	Way leave facilities & easement rights both along road & rail approaches.	333.49	619.96	706.39	
10.	Other Misc. Earnings from Land	1238.80	1295.23	1610.13	
Total ..	..	2455.84	5112.74	7770.05	

(e) Outstanding Dues (In thousand rupees)

2008-2009

Sl. No.	Item	Position as on 31-3-2009	Accretion during the year (+)	Clearance during the year (-)	Balance Outstanding as on 31-3-2010
1.	G. M. F. Scheme .. .. .	..	..	..	..
	(a) Railway Staff .. .. .	..	130.583	130.583	..
	(b) Outsiders	12.226	0	0	12.226
	(c) State Governments .. .. .	..	..	..	..
2.	Temporary Commercial Licensing	104.000	3100.068	2896.068	308.000
3.	Outstanding due Oil Companies.. .. .	18000.000	6506.401	17378.693	7127.708
4.	Outstanding dues from Government Department	3858.000	6466.676	9543.676	781.000
	Total	21974.226	16203.728	29949.020	8228.934

(f) Total Land Area (in Hectares)

2009-2010

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			G.M.F.	Any other use	Area of land lying vacant
				Under track structures and colonies etc.	Affore- station	Commercial licensing			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
25,540.33	25,540.33	20,010.93	2,709.00	304.58	65.52	2.43	2,296.69

28. Civil Engineering Assets

Railway	Plinth area of service building (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.	Num- ber of ballast quarries Nos.
			Major	Minor	Total	F.O.B.	R.O.B.	R.U.B.	Total in Mts.					
S.Rly.	1406189.38	1143505.10	38335.98	23572.52	61908.50	9889.44	3788.82	2443.86	16122.12	17993.90	21922.20	192.00	54.00	200

28. Civil Engineering Assets

Year	Division Name	Plinth area of service building (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 in Mts.					
2008-09	MAS	550039.38	293438.87	23.00	610.00	633.00	3317.12	2500.71	38.00	5855.83	0.00	0.00	124.00	19.00	2.00
2009-10		434621.26	293785.54	127.00	3359.00	3486.00	5903.30	29.00	0.00	5932.30	0.00	0.00	77.00	7.00	0.00
2008-09	SA	103400.00	199567.00	7032.64	5669.16	12701.80	345.84	257.99	62.49	666.32	0.00	0.00	0.00	0.00	0.00
2009-10		142807.00	121072.00	7210.73	5946.30	13157.03	302.42	656.75	1128.5	2087.64	0.00	0.00	20.00	5.00	1.00
2008-09	PGT	269432.07	136145.00	13366.98	3013.77	16380.75	1287.13	1207.38	124.20	2618.71	6802.90	702.00	25.00	7.00	1.00
2009-10		269432.07	136145.00	7942.35	5882.38	13824.73	1287.13	1207.4	124.2	2618.71	6802.90	702.00	25.00	7.00	1.00
2008-09	TVC	125985.00	102204.00	8833.53	4337.50	13171.03	1067.00	1211.00	301.00	2579.00	9580.00	3650.00	12.00	0.00	0.00
2009-10		125985.00	102204.00	7386.37	4333.84	11720.21	1067.00	1211.00	301.00	2579.00	9580.00	3650.00	12.00	0.00	0.00
2008-09	TPJ	411293.96	457749.77	16019.00	6113.00	22132.00	98.07	658.66	682.99	1439.72	6452.58	12575.70	20.00	14.00	3.00
2009-10		206852.01	295757.23	14019	2748.20	16767.20	682.99	98.07	658.66	1439.72	1611.00	17570.20	20.00	14.00	0.00

Civil Engineering Assets—Concd.

Year	Division Name	Plinth area of service building (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 in Mts.					
2008-09	MDU	198507.62	116626.72	0.00	0.00	0.00	156.45	165.80	0.00	322.25	0.00	0.00	19.00	11.00	0.00
2009-10		223798.88	193465.90	0.00	0.00	0.00	624.00	165.80	123.23	913.03	0.00	0.00	38.00	21.00	0.00
2008-09	CNIMS	1336.83	5165.26	330.47	557.55	888.02	32.32	0.00	11.50	43.82	0.00	0.00	0.00	0.00	0.00
2009-10		2693.16	1075.43	1650.53	1302.80	2953.33	22.60	420.824	108.30	551.72	0.00	0.00	0.00	0.00	0.00
2008-09	MTP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009-10		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008-09	Total	1660394.86	1310896.62	45605.62	20300.98	65906.60	6303.93	6001.54	1220.18	13625.65	22835.48	16927.70	200.00	51.00	6.00
2009-10		1406189.38	1143505.10	38335.98	23572.52	61908.50	9889.44	3788.82	2443.86	16122.12	17993.90	21922.20	192.00	54.00	2.00



V. TRANSPORTATION

1. Highlights

Freight Performance

1.1 Originating Revenue Earning Traffic :

• Originating loading during 2009-10 is 35.731 MT which is the best ever performance in the history of Southern Railway surpassing the previous record of 33.753 MT during 2008-09.

1.2 Wagon Turn Round

• Southern Railway has achieved a WTR of 2.27 during the financial year 2009-10, which is again the best ever over the last decade (Previous best performance is 2.49 during 2008-09).

• The performance of premium rakes Viz. Jumbo rakes and BOXN rakes over this Railway hve shown improvement in the Turn Round as detailed below :

♦ Tum round of Jumbo rakes during 2009-10 is 2.80 as against that of 3.08 during 2008-09 showing an improvement of 9%.

♦ Tum round of BOXN rakes during 2009-10 is 1.72 as against that of 1.92 during 2008-09 again with a progress of 11%.

1.3 NTKM/Wagon day

• NTKM/Wagon day works out to 6346 during 2009-10, which is the Best Performance over last three years.

1.4 WKM

• WKM for the 2009-10 is 177.5, which is the best one, over the last 10 years.

1.5 Wagon Holding

• During 2009-10, the daily average wagon holding of 8934 in terms of 8 wheeler Wagons is the lowest in the history of Southern Railway. The holding of 7931.5 wagons on 13th June 2009 during 2009-10, is the lowest on any single day.

2. Volume of Traffic handled and Transportation out put

(Figures in thousands)

Sl. No.	Description	2009-2010	2008-2009
(a)	Passenger Carried (System) ..	739237	739091
(b)	Passenger Kms. ..	70215817	69391910
(c)	Passenger train Kms. *Excl. Deptl.	52166	50076
(d)	Total Coaching Vehicle Kms. ..	1578362	149511**
(e)	Total freight tonne Kms. ..	16672636	16270143
(f)	Goods train Kms. @ ..	11967	12893
(g)	Total Wagon Kms. ..	527885	565895
(h)	Total train Kms. (Excl. Deptl.)* ..	64133	62969
(i)	Total Engine Kms. ..	68675	67313
(j)	Total Gross Tonne Kms. (incl.weight of Engine & Deptl.).	78389633	76978921

(*) 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.

(**) Revised

(@) Includes proportion of mixed but exclude departmental.

3. Operating Efficiency

The important efficiency statistics are given below :-

Sl. No.	Description	Broad Gauge		Metre Gauge	
		2009-10	2008-09	2009-10	2008-09
(I)	Wagon Kms. per wagon day on line.	177.5	172.6	6.58	2.94
(II)	Coaching Vehicle Kms. per vehicle day-				
	(a) Passenger..	502	502	36	63
	(b) Other Coaching..	310	294	0	0
(III)	Percentage of loaded to total wagon Kms.	62	59	42	50
(IV)	Speed of all Goods trains (Kms. per hour).	27.0	26.3	25.0	27.5
(V)	Average starting wagon load (Tonnes).	58.4	58.0	35.4	35.4
(VI)	Loads of Goods Trains (Tonnes)-				
	(a) Net or freight load..	1,391	1,259	324	351
	(b) Gross Load (incl. weight of engine).	2,695	2,556	679	687
	(c) Gross Load (Excl. weight of engine).	2,523	2,390	606	614
(VII)	Net Tonne Km. per wagon day on line.	5,596	4,950	88	47
(VIII)	Net Tonne Km. per Locomotive day in use.	2,49,449	2,37,05	1,39,396	99,933
(IX)	Net Tonne Km. per engine hour.	13,953	13,369	685	2,945
(X)	Gross Tonne Km. per engine hour.	68,101	62,797	15,146	16,910

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

4. Originating Tonnage under plan 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	2006-07	2007-08	2008-09	2009-10
1	Coal				
	(i) Coal for Railway use ..	..	..	..	..
	(ii) Coal for Steel Plant ..	0.18	0.18	0.27	2.31
	(iii) Coal for other use ..	14.57	15.26	17.26	15.35
	(iv) Total Coal ..	14.75	15.44	17.53	17.66
2	Raw materials for steel plants (Other than coal).	0.15	0.65	0.62	1.77
3	Finished products from steel plants.	0.00	0.13	0.22	1.56
4	Cement	3.27	3.62	4.36	4.11
5	Export Ores:				
	(i) Iron Ores ..	0.01	0.05	0.00	0.00
	(ii) Manganese Ore ..	0.00	0.00	0.00	0.00
6	Miscellaneous Goods :				
	(i) Railway Materials ..	0.13	0.23	0.63	0.46
	(ii) Foodgrains ..	3.31	1.03	1.24	1.03
	(iii) Mineral Oils ..	3.77	4.44	4.40	4.01
	(iv) Fertilizers ..	2.92	2.22	2.69	3.22
	(v) Other Goods ..	2.52	2.22	2.63	2.37
	(vi) Total Misc. Goods ..	12.65	10.14	11.59	11.09
7	Total All Traffic (Revenue & Non-Revenue) ..	31.15	30.03	34.32	36.19

5. Originating Revenue Earning

(i) *Originating Revenue Earning Traffic compared with Board's target and last year was as under :—*

(In million tonnes)

Commodity	Boards Target (2009-10)	April-March 2009-10 (Actual)	April-March 2008-09 (Actual)	%Variation over Target	Last year
Coal ..	17.25	17.66	17.53	2.4	0.7
Cement ..	4.28	4.11	4.36	- 4.0	- 5.7
Foodgrains..	0.90	1.03	1.24	14	- 16.9
Fertilizer ..	3.86	3.22	2.69	- 16.6	19.7
POL ..	4.85	4.68	4.40	- 3.5	6.4
Container ..	1.45	1.50	1.38	3.4	8.7
Others ..	2.91	3.53	2.14	21.3	65.0
Total ..	35.50	35.73	33.75	0.6	5.9

(ii) *Loading : (Daily average in terms rakes)*

Commodity	2009-2010 BG	2009-2010 MG	2008-2009 BG	2008-2009 MG
Coal ..	12.6	..	12.6	..
Cement ..	4.3	..	4.6	..
Foodgrains ..	1.1	..	1.3	..
Fertilizers ..	3.4	..	2.9	..
POL ..	8.5	..	8.1	..
Container ..	2.3	..	2.4	..
Others ..	3.1	..	2.0	..
Total ..	35.3	..	33.9	..

(iii) *Loading of Other Goods*

Commodity	2008-09	2009-10	% of Growth
Dolomite ..	..	0.615	..
Limestone ..	0.899	1.261	40%
Sugar ..	0.108	0.529	390%

(vii). *Clearance of Traffic from (April-2009 to March -2010).*

There are four major ports in Southern Railway viz. Chennai Harbour (HOM), New Mangalore Port (NMPT), Tuticorin Port (TNPT) and Cochin Harbour (CHTS). During the financial year 2009-10, a New Private port, Karaikkal Port (KIKP) has been commissioned in TPJ Division in January 2010.

The traffic cleared from various Ports During 2009-10 is as follows :—

(In Million Tonnes)

Port	Coal		Fert		Cont		Lime Stone		Gypsum		Dolomite		Others	
	09-10	08-09	09-10	08-09	09-10	08-09	09-10	08-09	09-10	08-09	09-10	08-09	09-10	08-09
HOM	12.20	12.96	0.30	0.41	0.61	0.76	0.18	0	0	0	0.50	0	0.08	0
TNPT	1.15	1.42	0.94	0.58	0	0	0.10	0.18	0.14	0.18	0	0	0	0
CHTS	0.11	0.17	0.08	0.03	0.02	0.04	0	0	0.03	0.13	0	0	0.14	0.01
MAQ	1.71	0.46	0.46	0.48	0.01	0	0.98	0.72	0	0	0.11	0	0.15	0.06
KIKP	0.10	0	0	0	0	0	0	0	0	0	0	0	0	0
TTL	15.27	15.01	1.78	1.50	0.63	0.80	1.26	0.90	0.17	0.31	0.61	0	0.27	0.07

During this year, Dolomite loaded to JSW at Tornagallu (JSWT) & Mecheri Road (MCRD) from Chennai Port and Mangalore Port is a new stream of traffic.

(iv) *Container Traffic* : The traditional stream of container trains from Chennai Harbour for Whitefield in Bangalore and from Tondiarpet to Tughlakabad in New Delhi grew steadily during 2009-10, Other than CONCOR, a private Container Operator SICAL started its operation from MLPN in MAS Divn.

2008-09	2009-10	% Variation
1.38 MT	1.50 MT	8.7 %

(v) *Freight Incentive Scheme 2009-10*

Origination traffic loaded under various Freight Incentive Scheme is a sunder :

Sl. No.	Type	No. of Rakes	Weight in Tonnes
1.	Mini Rake	213	294639
2.	Two-Point Rakes	792	2076625
3.	Multi-Point rakes	4	10422
4.	Two Originating Terminals	64	172461
5.	Freight Forwarder Scheme	83	120910
6.	Traditional Empty flow Direction	42	101582
Grand Total		1198	2776639

(vi) *The position on Inter-change of wagons & Inward Releases in terms of 8-wheelers is as under :—*

	Daily Average	2009-10	2008-09
(a) Receipts		2057	2178
(b) Despatch		2056	2186
(c) Releases		2292	2461

6. Wagon Position and Wagon Usages

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

Sl. No.	Description	Broad Gauge		Metre Gauge	
		2009-10	2008-09	2009-10	2008-09
(a)	No. of wagons owned (in terms of 8-wheelers) ..	9,700	9,785	428	632
(b)	Inter-change debit/credit balance	n/a	n/a	n/a	n/a
(c)	Average wagon holding (in terms of 8-wheelers) ..	8,148	8,984	65	87**
(d)	No. of wagons loaded :				
	(i) Originating	1,659	1,583	1	1
	(ii) Transhipment	0	0	0	0
	(iii) Repacked	0	0	0	0
	(iv) Coaching Traffic	0	0	0	0
	(v) Total loading	1,659	1,583	1	1
(e)	No. of loaded wagons received daily from other Rlys.	1,627	1,760	0	0
(f)	Turn round of wagons (on line)	n/a	n/a	n/a	n/a

Note.—All Wagon related items are in terms of 8 wheelers.
n/a – not available ** Revised

7. Wagons on Line

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

(Figures in Millions)

Gauge	Current year 2009-10	Previous year 2008-09	Percentage variation over previous year
Broad	10,120	10,276	-1.52
Metre	480	653	-26.49
Total	10,600	10,929	-3.01

(b) The average No. of wagons on line pooled and non-pooled as under (in terms of 4-wheelers)

Gauge	Current year 2009-10	Previous year 2008-09	Percentage variation over previous year
Broad	8,148	8,984	-9.31
Metre	65	87	-25.29

(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	Current year 2009-10	Previous year 2008-09	Percentage variation over previous year
Broad	6,05,385	5,77,757	4.78
Metre	500	340	47.06

(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 4-wheelers) :

Gauge	Current year 2009-10	Previous year 2008-09	Percentage variation over previous year
Broad	5,93,801	6,42,524	7.58
Metre	..	..	..

(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 4-wheelers).

Gauge	Current year 2009-10	Previous year 2008-09	Percentage variation over previous year
Broad	6.72	5.85	14.9
Metre	..	..	..

8. Statement of Net Tonne Kms. (Originating)

(Figures in Millions)

Particulars	Current year 2008-2009	Previous Year 2007-2008
I. Coal		
(i) Coal for Railway Use .. ..	..	..
(ii) Coal for Steel Plants	176.38	25.01
(iii) Coal for Other Use	3,955.25	3,978.52
(iv) Total Coal	4,131.63	4,003.53
II. Raw Materials for Steel Plants (Other than Coal).	115.66	23.93
III. Finished products from Steel Plants	540.42	724.15
IV. Cement	2,597.84	2,782.32

(Figures in Millions)

Particulars	Current year 2008-2009	Previous Year 2007-2008
V. Export Ore		
(i) Iron Ore	1,262.19	1,387.71
(ii) Manganese Ores	..	..
VI. Miscellaneous Goods		
(i) Railway Material	40.71	48.81
(ii) Foodgrains	3,506.36	3,807.05
(iii) Mineral Oil	1,208.95	1,059.24
(iv) Fertilizer	1,448.31	1,059.49
(v) Other Goods	1,820.57	1,375.41
(vi) Total Misc. Goods	8,024.90	7,350.00
(vii) Total all traffic	16,672.64	16,271.64

9. Engine usage

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

1. Engine Kms.incl.shunting—(Allotment basis)

(Figures in thousands)

Particulars	Current Year 2009-2010	Previous Year 2008-2009	% variation over previous year
(a) Passenger			
B. G. Steam	..	..	..
Dsl.Elec.	25,165	25,200	-0.14
Dsl. Hyd.	..	..	..
Elec.	32,064	28,815	11.28
Total	57,229	54,015	5.95
M. G. Steam	12	23	-47.83
Dsl. Elec.	636	1,299	-51.04
Dsl. Hyd.	..	..	..
Elec.	..	..	..
Total	648	1,322	-50.98
(b) Goods			
B. G. Steam	..	..	..
Dsl.Elec.	11,358	9,777	16.17
Dsl. Hyd.	12	15	-20.00
Elec.	11,868	10,001	18.67
Total	23,238	19,793	17.41
M. G. Steam	..	..	..
Dsl. Elec.	7	5	40.00
Dsl. Hyd.	..	..	..
Elec.	..	..	..
Total	7	5	40.00
(c) Mixed			
B. G. Steam	..	..	..
Dsl. Elec.	..	..	..
Dsl. Hyd.	..	..	..
Elec.	..	..	..
Total	..	..	..
M. G. Steam	..	..	..
Dsl. Elec.	..	..	..
Dsl. Hyd.	..	..	..
Elec.	..	..	..
Total	..	..	..
(d) Total EKMs incl. Depl.			
B. G. Steam	..	..	..
Dsl.Elec.	41,129	38,914	5.69
Dsl. Hyd.	1,810	1,983	-8.72
Elec.	44,610	39,268	13.60
Total	87,549	80,165	9.21

(Figures in thousands)

Particulars	Current Year 2008-2009	Previous Year 2007-2008	% variation over previous year
M. G. Steam	44	25	76.00
Dsl. Elec.	696	1,381	-49.60
Dsl. Hyd.	..	..	..
Elec.	..	..	..
Total	740	1,406	-47.37
II. Engine Kms. per day per engine in use :			
(a) Passenger Service			
B. G. Steam	..	..	..
Dsl.Elec.	517	543	-4.79
Dsl. Hyd.	..	..	..
Elec.	610	622	1.93
Total	@	@	..
M. G. Steam	33	31	6.45
Dsl. Elec.	99	158	-37.34
Dsl. Hyd.	..	..	..
Elec.	..	..	..
Total	@	@	..
(b) Goods Service			
B. G. Steam	..	..	..
Dsl.Elec.	348	341	2.05
Dsl. Hyd.	20	23	-13.04
Elec.	390	405	-3.70
Total	@	@	..
M. G. Steam	..	..	..
Dsl. Elec.	442	514	-14.01
Dsl. Hyd.	..	..	..
Elec.	..	..	..
Total	@	@	..
III. Engine Kms. per day per engine on line (All services) :			
B. G. Steam	..	..	..
Dsl.Elec.	384	395	-2.78
Dsl. Hyd.	117	111	5.41
Elec.	410	383	7.05
Total	@	@	..
M. G. Steam	15	9	66.67
Dsl. Elec.	87	110	-20.91
Dsl. Hyd.	..	..	..
Elec.	..	..	..
Total	..	..	..

@ 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.

10. Punctuality of Passenger Trains

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

Particulars	Current Year 2009-10	Previous Year 2008-09
B.G. Mail & Express	82.9	85.2
Passenger	91.9	* 96.7
Suburban (EMU)	99.4	99.6
M.G. Mail & Express	99.5	100.0
Passenger	97.3	99.3
Suburban (EMU)	..	..

* Revised

Punctuality percentage of Passenger carrying trains (Gauge-wise)

NLT BASIS

	Broad Gauge					Metre Gauge				
	Target		2008-09	Target	2009-10	Target		2008-09	Target	2009-10
	(Mar. 08– Dec.08)	(Jan. 09– Mar. 09)				(Mar. 08– Dec.08)	(Jan. 09– Mar. 09)			
Mail/Exp.	95.0	90.0	91.9	90.0	85.6	97.0	90.0	100.0	90.0	99.5
Passenger	95.0	95.0	95.7	95.0	91.9	95.0	95.0	99.3	95.0	97.3
Suburban	97.5	97.5	99.6	97.5	99.4	97.5	97.5	..	97.5	..

	Broad Gauge		Metre Gauge	
	2008-09	2009-10	2008-09	2009-10
No. of trains run	68,760	70,083	478	589
No. of trains not losing	63,186	60,016	478	586
No. of trains losing	5,574	10,067	..	3
Percentage	91.9	85.6	100.0	99.5

RIGHT TIME BASIS

	Broad Gauge		Metre Gauge	
	2008-09	2009-10	2008-09	2009-10
Mail/Exp.	85.2	82.9	100.0	99.5

The 'Integrated Coaching Management System' (ICMS) of monitoring Punctuality of trains has been implemented with effect from 1st January 2009 with 'ZERO minute' tolerance for originating and through trains and 15 minutes for terminating trains for reckoning 'Not losing time' on Zonal Railway.

11. Water Supply

Sl. No.	Division	Station & Name of work	Amount of ₹ in lakhs
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A. Works completed

(i) Works costing more than ₹ 5 lakhs each

1.	Chennai	SEW/MS—Improvement to watering arrangements for Quarters 275, 276 and RPF office.	100.0
		SEW/TVT—Raising of platform surface, provision of pale fencing and drinking water facilities at Wimco Nagar.	25.00
		SEW/AJJ —Construction of TRT for water supply	21.00
		JE/W/SP—Water supplied by private agency and metro water supply	15.90
2.	Salem	Nil	
3.	Palghat	CAN—Carriage watering arrangements	24.72
4.	Trivandrum	NCJ—Sub-Division. Provision of borewells 300 mm. dia 5 Nos.	28.60
5.	Tiruchchirappalli	TPJ Colony—Replacement of damaged and heavily corroded CI tanks and water pipe line at Kallukuzhi.	29.71
		TPJ—KG—RPSF Colony—Construction of 2.25 KL RCC OHT in lieu of .. Corroded MS over head tank.	29.32
6.	Madurai	KKDI—RCC tank 90,000 lit. capacity	16.29
		RMM RCC tank 90,000 lit. capacity	15.40
		MDU Colony—Provision of individual drinking water taps to the left over Quarters (First floor and Second floor).	55.82
		PCO Proposed laying of 100 mm. dia GI pipe line from TBR pumphouse to station for a length of 4 Km.	48.57
7.	CN/MS	Nil	
8.	MTP	Nil	

GMR-7A

Sl. No.	Division	Station & Name of work	Amount of ₹ in lakhs
(ii) Works costing less than ₹ 5 lakhs each			
1.	Chennai	SE/W/MCPT—Improvements to water line from MPKT	1.00
3.	Palghat	Nil	
4.	Trivandrum	Nil	
5.	Tiruchchirappalli	Nil	
6.	Madurai	DG—Repairs to water pipe line at DG station	0.24
		TML Station—Repairs to corroded delivery pipe line from OHT to pumphouse	0.99
		TML Station—Repairs to corroded at South and North Railway Quarters	0.70
		PUU Station—Replacing of corroded pipe line from Quarters No. 6 to 12A-B	0.50
		PBKS Station—Repairs to pipe line and paving slab at SCT end	0.79
7.	CNMS	Nil	
8.	MTP	Nil	
B. Works-in Progress			
(i) Works costing more than ₹ 5 lakhs each			
1.	Chennai	SE/W/NBK—Lorry water supply	25.00
		SE/W/PWQ—PWQ Improvements to damaged and corroded water supply in PWQ colony.	48.06
		Ayanavaram—Repairs to pipe lines replacing of fitted bed	11.30
		SE/W/MCPT—Improvements to water line from MPKT—MTMY	7.00
		SE/W/SP Watersupplied by private agency	12.96
		SE/W/SPE AKM/ODR AKM—NYP and GDR for water supply	10.95
2.	Salem	SA Dn. Provision of drinking water facilities at Goodsheds at SA, SAMT, ED, IGU, PLMD & CGF.	50.00
		PTJ Construction of OHT 90,000 litres capacity and replacement of pipe line grid at 20 block area.	49.50
		PTJ 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@ CBF (id. 1506/09-1-) CE/OL.	20.00
		Trippur Construction of OHT 45000 litres capacity including pipeline arrangements from well to goodshed area (id. 1849/08-09/CE/OL).	45.00
		CBE Jn.—Provision of reverse Osmosis plant for providing drinking water to passengers.	29.00
		CBE—Provision of G.L.R. and pipeline arrangements for new RCC OHT	29.00
		CBE Jn.—Provision of RCC OHT for 2.25 lakhs litres capacity with 20 m. staging	29.00
		PTJ & S & T workshop, Installation of Reverse Osmosis plant	8.00
3.	Palghat	SRR—Carriage watering arrangements	17.47
4.	Trivandrum	Ernakulam coaching complex—Watering arrangements by laying 200 m. dia pipe from Muvatupuzha river near Piravam Road station.	806.00
		CGV, ETM, TRVL—Improvements to water supply arrangements	24.00
		ALLP—Repairs water hydrants	9.33
		NCJ Proposed water hydrant in road No. 1A	24.51
5.	Tiruchchirappalli	Kallukuzhi Colony—Replacement of corroded pipe lines	43.00
		Ponmalai—Replacement of pipelines in colony to ensure uniform distribution of waqter supply. C type 1300 & F type 500 (id. 495/05-06).	61.47
6.	Madurai	MDU Jn. Repairs to existing corroded pipeline work with proposed ring system to staff Quarters (Ground Floor) at " C " area.	38.64
		TEN Jn.—Reconstruction of RCC OHT of 90,000 lit. capacity in Jawahar Colony in lieu of condemned Steel tank.	13.97
		TSI Station—Construction of RCC OHT 90,000 capacity to augment water supply	40.63
7.	CNMS	Nil	
8.	MTP	Nil	
(ii) Works costing less than ₹ 5 lakhs each			
1.	Chennai	Nil	
2.	Salem	Nil	
3.	Palghat	Nil	
4.	Trivandrum		
5.	Tiruchchirappalli	Nil	
6.	Madurai	DG Station—Repairs to water pipe line	0.24
7.	CNMS	Nil	
8.	MTP	Nil	

12. Passenger Operations—Performance Highlights

1.1. Special Trains run :

5.1.1. Allotment of Special trains on (FTR)

Film Shooting	FTR Special	Village on Wheels
21	4	30

5.1.2. Allotment of coaches on FTR

Total No. of Coaches	98
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1.2. Military Specials

5.2.1. No. of loaded Military specials	18
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5.2.2. No. of empty Military specials	17
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1.3. Alarm Chain Pulling

The following are the particulars of Alarm Chain Pulling during April 2009 to March 2010 :—

Division	MAS	PGT	TVC	TPJ	MDU	SA	Total
Total No. of cases	454	172	442	84	173	310	1635
Unjustified	237	—	158	—	—	—	395

1.4. Introduction/change in the pattern of through and sectional coaches — Nil

1.5. Overseas Traffic: Nil

1.6. Steps taken to ease over crowding :—

1.6.1. During the year various types of coaches namely GSCN-15, WGACCN-9, GS-21, GSCZ-11, GSCZAC-1, TOTALLY 57 were augmented by 15 Pairs of Special Trains and 18 pairs of Passenger trains on permanent basis to provide additional accommodation.

1.6.2. Trains were augmented with extra coaches to clear wait listed passengers based on the day-to-day demand 10034 coaches were attached as extra during April 2009 to March 2010.

1.6.3. To clear extra rush 2175 Special trains, (including Summer & Winter Specials, MLMR Specials) were run during April 2009 to March 2010.

2.0. Introduction of Trains :

In order to meet the increasing requirements of train services, the following new trains were introduced from Southern Railway during 2009–2010 :—

2.1. Express Trains :

Sl. No.	Train No. and Description	w.e.f.
1.	T. No. 6515/6516 Yesvantpur — Mangalore Central Tri-weekly Exp.	31-08-09
2.	T. No. 6605/6608 Mangalore — Kochuveli Tri-weekly Exp.	13-09-09
3.	T. No. 2269/2270 Chennai Central — Nizamuddin Weekly Duroton Exp.	21-09-09
4.	T. No. 2777/2778 Yesvantpur — Kochuveli Superfast Exp. (Weekly)	09-12-09
5.	T. No. 2789/2790 Rameswaram — Kanniyakumari Tri-weekly Exp.	22-12-09
6.	T. No. 0215/0216 Madgaon — Ernakulam (Weekly) Superfast Exp.	22-02-09
7.	T. No. 2788/2787 Tirunelveli — Bilaspur Weekly Exp.	27-12-09
8.	T. No. 5902/5901 Dibrugarh — Yesvantpur Weekly Exp.	01-01-10

Sl. No.	Train No. and Description	w.e.f.
9.	T. No. 2245/2246 Yesvantpur — Howrah Weekly Duroton Exp.	03-01-10
10.	T. No. 60435/6044 Pudukcherry — Mangalore Weekly Exp.	11-01-10
11.	T. No. 6503/6504 Yesvantpur — Lucknow Weekly Exp.	10-02-10
12.	T. No. 2283/2284 Ernakulam — Nizamuddin Weekly Duroton Exp.	07-03-10

2.2. Passenger Trains :

Sl. No.	Train No. and Description	w.e.f.
1.	T. No. 605/606 Coimbatore—Shoranur Passenger (MEMU) (6 days).	29-12-09
2.	T. No. 639/640 Shoranur—Nilambur Road Passenger (daily).	29-12-09

2.3. Trains introduced on Gauge Converted sections :—Nil

2.4. Trains extended — Mail/Express

Sl. No.	Train No.	Description	Extended to	w.e.f.
1.	2076/2075	Trivanthapuram—Ernakulam Janshatabdi Exp.	Kozhikode	14-08-09
2.	6787/6788	Madurai—Jammu Tawi Link Exp.	Tirunelveli	22-12-09
3.	6517/6518	Yesvantpur—Mangalore Central Exp.	Kannur	
4.	2977/2978	Ernakulam—Jaipur Weekly Marusagar Exp.	Ajmer	29-11-09
5.	6605/6606	Mangalore—Kochuveli Tri-weekly Exp.	Nagercoil	04-01-10
6.	6866/6865	Ernakulam—Triuchirappalli Exp.	Nagore	30-03-10

2.5. Increase in Frequency :

No.	Train No.	Description	Existing	Increased to	w.e.f.
1	2685/2686	Chennai—Mangalore Exp.	Tri-weekly	3 Days	22-12-09

2.6 Conversion into Superfast Trains : Nil

2.7. MENU Services introduced during 2009–2010 : Nil

2.8. Trains Diverted : Nil

2.9. Suburban Trains :

As on 31st March 2010, a total number of 244 Emu trains are running on Chennai Beach—Tambaram-BG section.

13. WORKING OF TRANSHIPMENT POINTS—Nil.

14. ACTION TAKEN TO MAINTAIN CLEANLINESS AT STATION PRTEMISES

	Division/ No of stations in A1, A, B	Implemented	To be implemented
MAS	A1-2 A-3 B-3 Total-8	A1-2-MAS MS A-3-CGL. KPD, JTJ B-1 MLMR (Total-6)	B-2(AB, TRT) (Total-2)
PGT	A1-0 A-6 B-8 Total-14	A-5 (PGT, SRR, CAN, MAQ, TLY) B-3 (TIR, BDJ, MAJN) (Total-8)	A-1 (CLT) B-5 (KZE, OTP, KTU, KGQ, PAY) (Total-6)

	Division/ No of stations in A1, A, B	Implemented	To be implemented
TVC	A1-2 A-11 B-3 Total-14	A1-2-(TVC, ERS) A-11 (TCR, QLN, CAPE, NCJ, ERN, KTYM. ALLP, AWY, CNGR, TRVL, KYJ) B-3 (GUV, VAK) Total-16	Nil
SA	A1-1 A-4 B-1 Total-6	A1-1 (CBE) A-2 (ED, SA) Total-3	A-2 (MTP, TUP) B-1 (KRR) (Total-3)
TPJ	A-3 B-3 Total-6	A-3-TPJ, TJ, VM B-3 (MV, KMU, VRI) Total-6	Nil
MDU	A1-1 A-5 B-2 Total-8	A-1-1 (MDU) A-5 (DG, VPT, TN) (TEN, CVP) B-1 (TSI) Total-7 C-D	B-1 (RMM) Total-1
	58	46	12

C-Category 79 Stations	2-Stations-MMC & MSB	27 Stations tenders to be floated. Remaining stations tenders under process.
	15 Stations on quotation basis	

D E F Category Stations – Cleaning activities managed by utilization of imprest.

15. Specific Fuel Consumption–Brief Remarks for the variation–Period : April 2009 to March 2010 compared to April 2008 to March 2009.

Service	Apr. 08 to Mar. 09	Apr. 09 to Mar. 10	Variation	Remarks
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BROAD GAUGE—STEAM TRACTION
NO SERVICE

METRE GAUGE—STEAM TRACTION

Pass. and prop of mixed.	683.5	360.2	–323.3	This is a minor service operated in mountain Railways and it will not be realistic to compare with previous year. Nil
Goods and prop. of mixed.	No Service	No Service	No Service	

DIESEL TRACTION—BROAD GAUGE

Pass. and prop of mixed.	4.42	4.39	–0.03	Favourable.
Goods and prop. of mixed.	2.97	2.26	–0.71	Favourable.

DIESEL TRACTION—METRE GAUGE

Pass. and prop mixed.	6.74	6.20	+0.54	Not comparable due to Gauge conversion.
Goods and prop. of mixed.	4.98	5.40	+0.42	

16. Fuel Economy campaign

1. Computerisation of fuel accountal in all RCD.
2. Computerisation of crew booking points.
3. Close monitoring of the performance of individual shed wise and loco type wise.
4. Shed staff are deputed to other Railway to collect the loco earnings every month.
5. SLI/LI's are deputed to DTC to improve their efficiency regarding new locos.
6. Review meetings are conducted at sheds with LI's of the division periodically.
7. Trip rations are monitored at divisional level to improve the performance.
8. On trial basis BIO–DIESEL IS BEING utilized for some locos.
9. All possible efforts are taken for optimum utilization of locos with appropriate loads.
10. Service wise issues are monitored for inferior locos.

Statement No. 26 (a)

Shed-wise and field-wise coal supplied (in tonnes) for 2008–09

Field	Grade 'A'	Grade 'B'	Grade 'C'	Grade 'D'	Non Graded	Total
Bentgal & Bihar Coal	Nil	Nil	..	..	..	Nil
Singareni Coal	..	..	..	..	..	..
MPVP Coal	..	..	..	..	..	..
Total	Nil	Nil	..	..	..	Nil

Grade-wise Coal Consumption (in tonnes) for locomotive and Non-Locomotive purposes

Kind of Coal	Loco - Purposes		Non - Loco - purposes		Total	
	April -08 to March-09	April -09 to March-10	April -08 to March-09	April -09 to March-10	April -08 to March-09	April -09 to March-10
Grade " A "	969	111	..	..	969	111
Grade " B "	492	1,398	..	..	492	1,398
Grade " C "	..	..	..	..	..	..
Grade " D "	..	..	..	..	..	..
Non - Graded	..	..	..	..	..	..
Wood (in terms of Coal)..	..	..	..	..	..	..
Salvage	..	..	..	..	..	..
Coke (in terms of Coal)	..	..	336	320	336	320
Total	1461	1,509	336	320	1,797	1,829

17. Input/Output Ratio

Particulars	2009-10	2008-09	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.	467.3	471.7	-0.93
(ii) Wagon holdings in terms of 8-wheelers	8,213	9,071	-9.46
(iii) Additional capital investments on line capacity & terminal capacity (Rs. 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.	3,92,234	3,48,132	12.67
(ii) NTKMs (in lakhs) on ownership basis as per train documents Goods & prop. of mixed.	1,88,727	1,90,167	-0.76
(iii) Average daily loading incl. Transshipment at BG, MG & NG (Revenue & Non-Revenue).	1,660	1,584	4.80
Average daily loaded receipts	1,627	1,760	-7.56
Total loading and loaded receipts	3,287	3,334	-1.70
<u>AVERAGE</u>			
Wagon Kms. Per wagon day on line			
BROAD GAUGE	177.5	172.6	2.84
METRE GAUGE	6.58	2.94	123.81



VI. COMMERCIAL

1. Revision of Passenger Fares :

Based on the Commercial Circular No. 10 of 2009 dated 5th March 2009, the Advance Rates Notification for Rate Advice No. 3 of 2009 (Coaching No. 13/2009) has been issued. With effect from 1st April 2009, the following changes are made in the passenger fares :—

Fares for Second Class :

(i) **Non-Suburban** :—The existing basic fares upto Rs. 50/- per passenger for Non-suburban Mail/Express including Super fast trains and Non-suburban Ordinary Passenger Trains will be reduced by giving a discount of ₹ 1/-. Fares beyond ₹ 50/- per passenger shall be reduced by giving a discount of 2 per cent. However, this reduction will not be applicable for journeys upto 10kms. in case of ordinary trains.

(ii) **Suburban** : There is no change in the existing fares for travel in Suburban Sections.

Fares for other Classes :

(i) The existing basic fares beyond ₹ 50/- per passenger for sleeper class Mail/Express and Ordinary passenger Trains shall be reduced by giving a discount of 2 per cent.

(ii) The existing fare of AC First Class, AC 2-tier, AC 3 tier and AC Chair Car will be reduced by 2 per cent for all distances.

(iii) There will be no change in the existing fares of First Class Mail/Express and Ordinary trains.

Fares for High Capacity Coaches : Discounts in fares for High Capacity coaches as mentioned in commercial Circular No. 20 of 2008 shall be continued without any change. After discount/reduction, the total basic fare shall continue to be rounded off as per extant rules.

Peak Season and Lean season : For the purpose of charging of fares under Variable Fare Scheme shall be as under

Peak Season and Lean Season :—For the purpose of charging of fares under Variable Fare Scheme are as under :—

Peak Season	1 st April	to	31 st July and
	1 st September	to	31 st January
Lean Season	1 st February	to	31 st March and
	1 st August	to	31 st August

The discounts/reductions granted on passenger fares are published in Coaching Tariff No. 26 (Part-II) effective from 1st April, 2008.

Basic passenger fares for Shatabdi Express Trains, Jan Shatabdi Express trains, Garib Rath Express Trains, Rajdhani Express Trains (Peak and Lean seasons) and Season Tickets have also been published in the IRCA coaching Tariff No. 26 (Part-II). There will be no change in the existing fares for these trains.

The above instructions came into effect from 1st April, 2009.

Refund : In this cases of tickets already issued at pre-revised rates, refund or difference of fare shall be granted in accordance with the provisions contained under Para 13 of Board's letter No. TC.II/210/2007 dated 23rd March 2007.

Other Charges : There will be no change in all other charges currently levied on passenger traffic and not mentioned in this circular.

Other Charges : There will be no change in all other charges currently levied on passenger traffic and not mentioned in this circular.

Introduction of Duronto Trains :—

As per Hon'ble MR's Budget announcement for 2009–2010, a new train service called Duronto was introduced which is a non-stop point-to-point service between selected cities throughout the country. This train will have AC as well as non-AC sleeper coaches. Over Southern Railway the T. No. 2269/2270 " DURONTO " non-stop Express between Chennai Central and H. Nizamuddin was introduced on 21st September 2009 and T. No. 2283/2284 " DURONTO " Express between Ernakulam and H. Nizamuddin was introduced on 6th March 2010.

No concession except that of child and Senior citizen shall be applicable in Duronto trains. Concessions shall be calculated on basic fares only. Other charges will be levied in full. No concession vouchers, warrants or rail travel coupons will be accepted for travel by these Duronto trains. There will be no 'Tatkal' facility applicable in Duronto trains for the time being. The use of Pass/PTO may not be implemented for the time being in Duronto trains. Children of 5 years and above but below 12 years will continue to be charged half-fare.

Further, bedroll will be provided in Sleeper class on demand and bedroll charges will be collected from such passengers on trains. The concession shall be calculated in a manner similar to that of trains having point-to-point fare structure, i. e. instead of granting concession on basic fares. Concession will be granted on all inclusive fare excluding development charges which will be added subsequently by the system logic for arriving at the final fare.

1. Existing Rule :—

(i) As per S. No. 3(1) & (3) of Annexure to Rule 101 of IRCA Coaching Tariff No. 25 Part I (Vol. II) Amateur artists (theatrical, concert, musical, dancing and magician troops & students artistes of the National School of Drama, New Delhi when travelling alone or in group) are eligible for 50 per cent concession in First Class and 75 per cent concession in Second and Sleeper classes basic Mail/Express fares(.)

(ii) **Revised Rule** :—In addition to that (i) 50 per cent concession in the basic fare of Mail/Express trains is also admissible in AC chair car, AC 3 tier and AC 2 tier classes and (ii) 50 per cent concession is also granted in the all inclusive fares of Rajdhani/Shatabdi/Jan Shatabdi in AC chair car, AC 3 tier and AC 2 tier classes(.) This concession is admissible on tickets purchased on or after 15th August 2009. This concession is not admissible in Garib Rath trains.

2. Existing Rule :—

(i) As per S. No. 46 of Annexure to Rule 101 of IRCA Coaching Tariff No. 25 Part I (Vol. II) police personnel of 60 years and above who have received President's Police Medal for Distinguished service are eligible for 30 per cent concession in basic Mail/Express fares of all classes and in the fares of Rajdhani/Shatabdi trains (.)

(ii) **Revised Rule :—**To enhance the concession for Police Personnel of 60 years and above who have received president's Police medal for Distinguished service. The element of concession is (i) 50 per cent for Men (ii) 60 per cent for Women. This concession will be admissible in basic fare of Mail/Express trains of all classes and in the all inclusive fares of Rajdhan/Shatabdi/Jan Shatabdi trains(.) This concession is admissible on tickets purchased on or after 15th August 2009. This concession is not admissible in Garib Rath trains.

(iii) **Extension Rule :—**3. The above said concession is further extended to Police personnel of 60 years and above who gave received Indian Police Medal for Meritorious service. The element of concession is (i) 50 per cent for Men (ii) 60 per cent for Women. This concession will be admissible in basic fare of Mail/Express trains of all classes and in the all inclusive fares of Rajdhan/Shatabdi/Jan Shatabdi trains(.) This concession is admissible on tickets purchased on or after 1st September 2009. This concession is not admissible in Garib Rath trains.

The system existed till 14th October 2009

1. All Press correspondents accredited to the Headquarters of Government of India, State Governments, Union Territories and Districts are issued with coupon books of specified money value at full rates, as per their demand, for unlimited travel on Indian Railways for *bona fide* press work.

2. The element of concession is given below :—

(a) 50 per cent concession in basic Mail/Express fares of all classes.

(b) 30 per cent concession in all inclusive fares of Rajdhani/Shatabdi/Jan Shatabdi groups of trains.

The features of the new system w.e. f. 15th October 2009

1. The new system is Photo Identity Card based system

2. The Photo ID Card will be issued by Railways to Accredited Press Correspondents individually instead of Coupon books, on production of the certification by P. I. B. or other competent authority as per the specimen form of certificate.

3. The Accredited Press Correspondents has to produce certificate from the competent authority as well as one self attested photo.

4. Based on the above, Photo ID Cards will be issued to Accredited Press Correspondents.

5. The card will be valid for 2 years from the date of issue.

6. The element of concession is :—

(i) 50 per cent in the basic fares all classes of Mail/Express trains and all other charges are to be collected in full.

(ii) 50 per cent in the all inclusive fare of all classes of Rajdhani/Shatabdi/Jan Shatabdi trains.

(iii) Concession not admissible in Garib Rath trains.

(iv) 50 per cent concession for spouse once in a year.

(v) In case the Accredited Press Correspondent does not have a spouse, the concession can be extended companion or dependant children upto 18 years of age.

2. Revision of rates for Goods Traffic

1. With effect from 1st April 2009 the following adjustments have been effected in the freight rates :—

(a) No across the board increase in the freight rates has been made in the year 2008–09.

(b) The base wagonload rate for commodities being charged in class 200, the base freight rate has been revised as base freight of class 200 +5 per cent effective from 15th December 2009.

2. 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 assests and capacities.

The following are various charges/surcharges which were in force during 1st April 2009 to 31st March 2010.

Busy Season Surcharge :

Busy Season Surcharge on freight charges at the rates mentioned in the table below has been levied during the busy season extended from 1st April 2009 to 30th June 2009 and 1st October 2009 to 31st March 2010.

Sl. Nos.	Name of the Party	Rate of Surcharge
1	Coal and Coke Group	5%
2	All other commodities	7%
3	Container traffic	Nil

Congestion Surcharge :

Congestion charge on freight charges at the rates mentioned in the table below during the period extended from 1st April 2009 to 31st March 2010.

Sl. Nos.	Name of the Party	Rate of Surcharge
1	All traffic to Bangladesh	20%
2	All traffic to Pakistan	20%

3. Concession :

Concession off free carriage of relief materials was allowed for transportation relief materials to flood affected districts of Andhra Pradesh and Karnataka from 6th October 2009 to 4th December 2009.

4. Revision of minimum weight condition :

The concept of minimum weight condition had been abolished with effect from 1st April 2005. Accordingly, effective from 1st April 2005 the chargeable weight for different commodities Heads have been revised to " Carrying Capacity " or " Enhanced Carrying Capacity ".

With effect from 1st June 2007, all BG routes on Indian Railways (except certain excepted routes) have been universalized as CC + 6 routes. Further, as a pilot project certain routes on Indian Railways have been identified as CC + 8 routes for selected commodities with higher permissible carrying capacity. The permissible Carrying Capacity for each type of wagons on CC + 6 routes and CC + 8 routes have been notified by Board from time-to-time. The validity of the pilot project introduced from 15th May 2005 which is being periodically extended and last such extension in the year 2009-2010 has been given upto 30th June 2010.

In the pilot project of CC + 8 routes, the following routes covering Southern Railway have been included :—

1. Vasco-Hospet-Guntakal-Renigunta-Vysarpadi-Chennai (HOM).
2. Vysarpadi-Korukkupet-Tondiarpet-Attipattu-Ennore.
3. Gudur-Chennai.
4. Madagon-Ankola-Thokur-Panamburu.

5. Rebate on Export Traffic :

The scheme was not in force in 2009-2010

6. Introduction of Freight Incentive Schemes :

1. The following Freight Incentive Schemes are in force from 1st April 2009 to 31st December 2009.

FREIGHT INCENTIVE SCHEME :

- a. Incentive Scheme for Incremental Traffic.
- b. Long Term Special Incentive Scheme.
- c. Incentive Scheme for Traditional Empty Flow Direction (Private Sidings)
- d. Incentive Scheme for Traditional Empty Flow Direction (Goods shed)
- e. Incentive Scheme for Freight Forwarders.
- f. Incentive Scheme for Freight Forwarders in Traditional Empty Flow Direction.
- g. Incentive Scheme for Two-Leg Traffic.
- h. Incentive Scheme for Loading Bagged Consignments in BOXN.
- i. Incentive Scheme for Lump Sum Special Rates and SLA.
- j. Incentive Scheme for Traffic on MG and NG Systems.
- k. Incentive Scheme for Short Lead Cement Traffic effective from 15th November 2009 to 14th May 2009.

TRANSPORTATION PRODUCTS :

- a. Block Rake.
- b. Mini Rake.
- c. Two Point Rake
- d. Multi Point Rake

- e. Two and Multi Point Rake (Other than Covered Wagons).
- f. Rake from Two Originating Terminals
- g. Rake from Two Originating Terminals (Other than Covered Wagons).

2. Railway Board have issued revised policy guidelines on Freight Incentive Schemes and Transportation products with effect from 1st January 2010 in super session of Freight Incentive Schemes issued in the year 2008-2009.

FREIGHT INCENTIVE SCHEMES :

- a. Incentive Scheme for Loading Bagged Consignments in Open & Flat wagons.
- b. Incentive Scheme for Traditional Empty Flow Directions.
- c. Incentive Scheme for Freight Forwarders.
- d. Incentive Scheme for Incremental Traffic.

TRANSPORTATION PRODUCTS :

- a. Block Rake.
- b. Mini Rake.
- c. Two Point Rake
- d. Multi Point Rake
- e. Two and Multi Point Rake (Other than Covered Wagons).
- f. Rake from Two Originating Terminals
- g. Rake from Two Originating Terminals (Other than Covered Wagons).

All the Incentive schemes are sanctioned by Divisional Railway Managers.

The performance under various Freight Incentive Schemes for the year 2009-2010. is enclosed.

7. (a) Claims Registration

Year	Parcels	Goods	Total
2009-10	415	120	535
2008-09	721	127	848

(b) Claims Performance

Details	2008-09	2009-10	%Variation
Opening Balance	35	49	(-) 40%
Registration	848	535	(-) 37%
Re-opened	91	125	37%
Total	974	709	(-) 27%
No. of cases paid	145	148	2%
No. of cases repudiated	780	529	(-) 32%
Total Disposal	925	677	(-) 27%
Closing Balance	49	32	(-) 35%
Amount paid (Excl. court cases)	6.48	5.15	(-) 21%
Amount paid in court cases	12.96	8.86	(-) 32%
Total amount paid	19.44	14.01	(-) 28%
Average time for disposal	38 days	40 days	..
Average time for payment	27 days	..	..

(c) Causewise Analysis of Claims Paid : (including court)

Claims paid on Account of	Year	Number	Amount (₹ in lakhs)	Per cent To Total	
				Number	Amount
Complete loss	2009-10	148	12.09	93.67	86.17
	2008-09	151	18.73	97.42	96.35
Theft of complete packages	2009-10	0	0	0	0
	2008-09	0	0	0	0
Pilferages	2009-10	3	0.51	1.90	3.64
	2008-09	0	0	0	0
Damage by wet	2009-10	2	1.01	1.27	7.20
	2008-09	2	0.20	1.29	1.03
Delay in transit	2009-10	1	0.07	0.63	0
	2008-09	2	0.51	1.29	2.62
Breakage	2009-10	2	0.12	1.27	0.86
	2008-09	1	1.27	0.50	2.37
Leakage	2009-10	0	0	0	0
	2008-09	0	0	0	0
Others	2009-10	2	0.23	1.27	1.63
	2008-09	0	0	0	0
Total	2009-10	158	14.03	..	..
	2008-09	155	19.49	..	..

(d) Commodity wise Analysis of claim paid (Including Court):

Claims paid on Account of	Year	Number	Amount (₹ in lakhs)	Per cent To Total	
				Number	Amount
Grains & Pulses	2009-10	1	0.03	0.63	0.21
	2008-09	2	4.93	1.29	25.36
Iron & Steel	2009-10	0	0	0	0
	2008-09	0	0	0	0
Cotton piece & Goods	2009-10	0	0.08	5.70	0.57
	2008-09	7	0.46	4.52	2.37
Chemicals & Manure	2009-10	1	0.98	0.63	6.98
	2008-09	2	0.19	1.29	0.98
Coal & Coke	2009-10	0	0	0	0
	2008-09	2	2.45	1.29	12.60
P. O. L.	2009-10	4	7.30	2.53	52.03
	2008-09	3	6.56	1.93	33.74
Others	2009-10	143	4.89	90.51	34.85
	2008-09	139	14.03	..	..
Total	2009-10	158	14.03	..	..
	2008-09	155	19.44	..	..

(e) Court Cases Disposal (Excl. Accident Cases)

Details	2008-2009	2009-2010	Per cent Variation
Opening Balance	..	406	369 (-) 9.11%
Registration	..	62	114 (+) 83.87%
Transferred cases
Total	..	468	483 (+) 3.21%
Compromised out of court	..	1	.. (-) 100%
Decreed	..	43	47 (+) 9.30%
Dismissed	..	47	34 (-) 27.66%
Otherwise	..	8	16 (+) 100%
Total Disposal	..	99	97 (-) 2.02%
Closing Balance	..	369	386 (+) 4.61%

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

RCT	Opening Balance	Regist-ration	Total	Disposal	Closing Balance
RCT/MAS	18	7	25	17	8
RCT/ERS	3	2	5	3	2
RCT/SBC	2	..	2	..	2
Other Railway	183	22	205	16	189
RCT cases.					
Civilsuits	4	1	5	1	4
Consumer	115	77	192	60	132
Forum cases.					
Appeal cases in high courts & Supreme courts.	44	5	49	..	49
Total	369	114	483	97	386

(g) Accident cases (Section 124)

RCT	Opening Balance	Regist-ration	Total	Disposal	Closing Balance
RCT/MAS	Nil	15	15	..	15
RCT/ERS	..	..	..	..	..
Appeal cases in high courts	20	..	20	6	14
Total	20	15	35	6	29

(h) Accident cases (Section 124-A)

RCT	Opening Balance	Regist-ration	Total	Disposal	Closing Balance
RCT/MAS	422	165	587	442	145
RCT/ERS	126	89	215	110	105
RCT/SBC	4	2	6	3	3
Other Railway	46	26	72	15	57
RCT Cases					
Appeal cases in High Courts & S/C	155	63	218	11	207
Total	753	345	1098	581	517

(i) Public Sector undertakings

RCT'S	Opening Balance	Regis-tration	Total	Disposal	Closing Balance
RCT/MAS	4	..	4	4	Nil
RCT/ERS	Nil	2	2	..	2
RCT/SBC	Nil	2	2	..	2
Other Railway	35	..	35	2	33
RCT cases.					
Appeal cases in high courts	5	1	6	..	6
Total	44	5	49	6	43

(j) Military cases/Govt. cases

	Military Cases	Govt. Cases
Opening Balance	3	2
Registration	101	9
Re-opened	24	2
Total	128	13
Disposal	12	12
Closing Balance	86	1

(k) **Food Corporation of India** : Reconciliation of FCI cases (Food grain) has been completed for the year 2008-09. The reconciliation for the period 2009-10 is under progress.

(l) Computerisation of Claims Offices

On-line registration of Claims/Court/Accident cases is being done in the ' web-enabled claims ' package developed by CRIS, public can now register their Claim online and also view the status of registered claims accessing site : www.claims.indianrail.gov.in<<http://www.claims.indianrail.gov.in>>

There is the MIS designed to suit Railway Board's requirements to view the performance of Zonal Railways. This has been done with the twin objective of bringing transparency and efficiency in the working of claims offices. Monthly PCDO to MT is sent through web-enabled claims from April 2010 onwards.

A separate website for Joint Internal Disputes Resolution Panel (JIDRP) has been created under the supervision of Board to settle the Claims pending with Public Sector Undertakings, like Oil companies, Coal, Steel, Food Corporation, etc., at various RCTs/Courts. Case-wise arguments related to this Railway were fed in to the System during May 2010.

8. Claims Prevention-Preventive Measures

(a) N. R. Cell

A total of 152 wagon load consignments were disposed off by the NR Cell of this Railway thereby averting claims to the tune of ₹ 2,222 lakhs. 998 Parcel cases were also disposed during the same period.

Details	Wagonloads			Parcels		
	2008-2009	2009-2010	%Variation	2008-2009	2009-2010	%Variation
Opening Balance	24	6	(-) 75	42	78	86%
Registration	123	156	27	1043	971	(-) 7%
Total	147	162	10	105	1049	899%
Disposal	141	152	8	1007	998	(-) 1%
Closing Balance	6	10	67	78	51	(-) 35%
Amount saved	1540	2220	44	211	127	(-) 40%
(₹ in Lakhs)						

(b) C. P. Checks :

During the year 2009-10, 878 Claims Prevention checks were conducted at important Stations/Goods Sheds/Parcel Offices. Irregularities noticed during these checks were brought to the notice of those concerned for taking necessary action.

Unconnected wagons :

Unconnected wagons for the year 2009-10 Nil.

9. Lost Property Office

(a) Position of Unconnected/Undelivered Parcels :

Details	2008-09	2009-10
Opening Balance	303	353
Registration	1760	2008
Total	2063	2361
Disposal	1710	1902
Closing Balance	353	459

b) Auction at lost property offices :

LPO	Opening balance	Registration	No. of Auction conducted	No. of items disposed through Auction	Amount realised (₹)
SO/MAS	233	566	22	457	7,31,089
ED	..	355	7	199	29,036
CBE	7	157	9	133	1,43,080
CLT	24	486	10	494	1,27,986
MAQ	4	8	..	..	..
ERS	29	27	6	58	51,295
TVC	41	165	6	39	15,366
QLN	6	39	4	22	25,404
MDU	7	180	5	70	46,861
TPJ	2	25	..	..	..
Total	353	2,008	69	1,472	11,70,117

10. Refund on Goods Traffic

Sl. No.	Description	April 2008 to March 2009	April 2009 to March 2010
1.	No. of cases carried forward from previous year.	511	2,647
2.	No. of cases received and re-opened during the year.	11,566	7,932
3.	No. of cases disposed off during the year	9,430	10,183
4.	No. of cases on hand at the end of the year and carried forwarded to the next year.	2,647	396
5.	No. of cases outstanding for over 3 months	269	28
6.	No. of cases outstanding for over 6 months	90	175
7.	No. of claims pending in court at the end of the year.	..	13
8.	Average time taken to settle	23.87	23.53

Registration of refund claims during April 2009 to March 2010 in 7,932 as against 11,566 cases registered during April 2008 to March 2009.

The number of refund cases pending at the end of March 2010 is 3967 as against 2,647 during March 2009.

The number of cases pending 3 to 6 months in 28 at the end of March 2010 as against 269 at the end of March 2009.

The number of cases pending over 6 months is 175 at the end of March 2010 as against 90 at the end of March 2009.

The pending cases and being closely monitored and consistent efforts are taken for early disposal of pending cases with special emphasis and clearing 6 months old cases and bring down the outstanding pending cases.

11. Refund on Coaching/Parcel Traffic

	2009-2010	
	Passenger Traffic	Parcel Traffic
No. of cases carried forward from the previous year.	8,319	Nil
No. of cases received and re-opened during the year.	1,02,568	29
No. of cases disposed off during the year	97,927	29
No. of cases on hand at the end of the year and carried forward to the next year.	12,960	Nil

12. Ticketless Travel

The comparative statistics are given below :-

Year	Total No. of Cases of ticketless travel	Amount realised there from (₹)
2008-2009	4,32,786	16,57,49,220
2009-2010	5,00,755	20,10,07,053

13. Ticket Checking Details of Detection of Irregular travel

The cases of irregular travel detected, excess charges recovered and cases dealt with the Court during 2008-2009 are as under :-

	in ₹	
1. No. of Passengers found travelling irregularly	5,00,755	
2. No. of cases unbooked/partially booked luggage	2,83,587	
3. Total Penalty earnings from (1) and (2) above	23,86,35,630	
4. Gross ticket checking earnings including non-penalty earnings.	53,42,17,610	
5. No. of Passengers prosecuted	..	71,738
6. No. of Passengers imprisoned	..	142
7. No. of Passengers fined	..	71,410
8. No. of Passengers let-off..	..	186
9. Amount of Judicial Fine Realised	..	1,58,94,897
10. No. of Mendicants ejected	..	27,403
11. Total cost incurred on Ticket Checking Staff	84,46,91,768	

14. 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.

Marketing and Sales Organisation 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 has commissioned Marketing cell in Chennai Port to liaise with Importers/Exporters and port management for capturing additional/new traffic wherever possible. Primary advantages of the scheme are that Marketing Wing of Railway act as a "Single Window" clearance open 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	2009-10	
		Tonnage 000's	Earnings (₹ in Crores)
1	Imported Coal..	7,476	429.05
2	Imported Fertilizer ..	1,487	86.08
3	Imported Limestone ..	746	41.78
4	Imported Palmolein ..	44	23.52

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	
	2008-09	2009-10	2008-09	2009-10
a. High Rated Traffic	366	711	36.63	99.74
b. Programmed Traffic	30,221	30,695	1127.75	1278.93
c. Low rated Traffic	1,683	1,781	97.71	112.13
d. Other Revenue Traffic	1,480	2,542	101.00	183.99

3. The originating goods loading over Southern Railway during 2009-10 was 35.731 Million Tonnes as against 33.752 Million Tonnes during 2008-09. Similarly the originating goods earnings during 2009-10 were ₹ 1,741.69 Crores as against ₹ 1,417.94 Crores during 2008-09.

4. Loading of High rated commodities and other goods.

There was considerable increase in loading under the following commodities in 2009 - 10 compared to 2008 - 09.

Sl.	Commodity	2008-09 Tonnes	2008-09 Earnings in lakhs	2009-10 Tonnes	2009-10 Earnings in lakhs
1	Palmolein	48935	804.84	120120	121856
2	Charcoal	97118	939.62	1875952	19663.10
3	Limestone	899470	5151.00	316169	2791.81
4	Gypsum	313611	2045.82	316169	2791.81
5	Sugar	113073	1135.33	530093	7389.55
6	Clinker	5522	16.59	22021	74.03
7	Iron & Steel Divn.B.	107128	1160.84	108995	1955.16

5. Automobile Traffic :

As a result of continuous liaison and effective marketing contacts with Automobile Traders, Southern Railway has moved 42 rakes with total revenue of ₹ 5.77 Crores during 2009-10.

6. Parcel

The Parcel loading during 2009-10 was 4.69 lakhs of tonnes with an earnings of ₹ 122.05 Crores as against 4.41 lakhs of tonnes with earnings of ₹ 107.32 Crores during 2008-09.

Under FSLR, AGC and round trip VP leasing scheme, Southern Railway had earned ₹ 55.33 Crores during the year 2009-10.



VII. MECHANICAL ENGINEERING

Stock on Line

(a) Rolling Stock

The particulars of Rolling Stock on line owned at the end of March 2010 as compared to the previous year :—

As on 31st March 2010	Locomotives						Passenger and other Coaching Vehicles		Rail Car in units		Locomotives 4 EMU in 4 Coach units	
	Broad Gauge			Metre Gauge								
	Elec. A.C. Locos	DSL. Locos	DSL. Hyd. Locos	Elec.	Steam	DSL. Locos						
	B. G.	M. G.	B. G.	M. G.	B. G.	M. G.						
Previous year 2008-2009	290	306	49	—	10	38	5,047	387	—	—	290	224
Current year 2009-2010	306	319	49	..	10	38	5,247	191	—	—	224	..

As on 31st March 2010	Wagon in Units		Travelling Cranes					
			BROAD GAUGE			METRE GAUGE		
	B. G.	M. G.	Steam	Diesel	Hand	Steam	Diesel	Hand
Previous year 2008-2009	10,118	550	4	3	7	9	..	1
Current year 2009-2010	10,110	438	..	3	..	7	..	..

2. Additions and Renewal

Particulars			BROAD GAUGE		METRE GAUGE		
			Additions	Replacement	Additions	Replacements	
LOCOS :							
Steam	..	..	..	..	..	..	..
Diesel	..	..	17	..	..	..	..
Electric	..	..	14	..	..	..	..
COACHES :							
Bogies	..	..	272	..	..	..	..
Locos	..	..	23	7	..	..	..
Coaches (Motor)	..	..	14	..	..	..	..
EMU Trailer Coaches	..	..	—	..	..	..	..
Transferred from other Railways	..	..	10	..	..	..	..
Transferred to other Railways	..	..	30	..	..	..	..
WAGONS :							
Bogies	..	..	137	..	5	..	..

(a) Wagon built by wagon building firms and Railway Workshops (2009-2010)

<i>Name of the Firm</i>	<i>Type</i>	<i>No. in Vehicle units</i>	<i>No. in 4-Wheelers units</i>
Broad Gauge Stock	Nil	Nil	Nil
Modern Industries Ltd.	BOBSN	9	—
Hindustan Engg., and Industrial Ltd.	BRNAHS	23	—
	BTPN	28	
M/s. BESCO., Ltd.	BFNS	1	—
	BRNAHS	1	
	BOBYN	60	—
Bharat Wagon and Engg., Co., Ltd.	BOXNHS	8	—
M. G. STOCK	Nil	Nil	Nil

(b) Goods Stock Transferred from other Railways

Railway	No. of vehicles	No. in 4-Wheeler units
		Nil

3. Locomotives on line with their Tractive efforts

(a) Steam Locos

As on 31st March 2010	Broad Gauge		Metre Gauge	
	No.	Total Tractive Efforts (Kgs.)	No.	Total Tractive Efforts (Kgs.)
Previous Year 2008-2009	10	1,18,812
Current Year 2009-2010	10	1,18,812

(b) Diesel Locomotives

As on 31st March 2010	Broad Gauge		Metre Gauge	
	No.	Horse Power	No.	Horse Power
Previous Year 2008-2009	335	8,06,305	38	53,200
Current Year 2009-2010	345	8,68,915	25	35,000

(c) Electrical Locomotives

Particulars	Broad Gauge	
	Nos.	Horse Power
As on 31st March Previous Year 2008-09.	WAM 4-39	1,41,960
	WAP1-17	64,600
	WAP 4-104	5,26,240
	WAG 7-71	3,55,000
	WAG5A/AH-59	2,27,150
Current year 2009-10	WAM 4-31	1,12,840
	WAP1-19	72,200
	WAP 4-125	6,32,500
	WAG 7-71	3,55,000
	WAG5A/HA-60	2,31,000

5. Goods Vehicles and carrying capacity

As on 31st March current year 2009-10	No. in units	Public Traffic Wagons		Capacity in tonnes	Special wagons including Brake wagons (No. in units)	Dept. Railway Service wagons (No. in units)	Total Goods vehicles (No. in units)
		Covered Wagons	Open Wagons				
		Capacity in tonnes	No. in units				
Broad Gauge	5731	299153.6	3251	182159.8	1126	2	10110
Metre Gauge (Incl. N. M. Railway)	381	13523.4	44	1621.2	9	13	447

6. Diesel Rail Cars

As on 31st March 2010	(A) Motor Coaches		(B) Trailer Coaches	
	No. in units	Total Seats	No. in units	Total seats
Previous year 2008-09				
Broad Gauge
Metre Gauge
Narrow Gauge
Current year 2009-10				
Broad Gauge
Metre Gauge
Narrow Gauge

Electrical Multiple Units

Particulars	Motor Coaches	Horse Power	Trailer Coaches	Horse Power
As on 31st March 2008-2009				
Broad Gauge	224	23968	450	44068
As on 31st March 2009-2010				
Broad Gauge	238	25466	476	46614

7. Travelling Cranes

As on 31st March 2010	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 2008-09.	4	20TX3 75TX1	3	140TX3	7	10TX6 5TX1
Broad Gauge Current year 2009-10.	..	..	3	140TX?	..	..
Metre Gauge Previous year 2008-09.	9	35TX9	..	..	1	10TX1
Metre Gauge Current year 2009-10.	7	35TX7	..	..	..	..

4. Coaches Vehicles and seating capacity (Except EMU)

As on 31st March current year 2009-10	Pass. Coaches (No. in units)	Other Coaching Vehicle (No. in units)	Total Seats			
			Air condition	Ist Class	II Class Berths	Seats
Broad Gauge	4797	438	42021	2198	130300	323986
Metre Gauge (including N. M. Railway)	172	19	..	134	818	44561

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
	2008-2009	2009-2010	2008-2009	2009-2010
	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
Total	10	100.00

(b) Electric Locomotive (Broad Gauge)

Age Group Years	2008-2009		2009-2010	
	Nos.	Nos.	Nos.	Nos.
Less than 1 Year	..	21	8	2.61
1 to 5 Years	..	50	72	23.53
6 to 10 Years	..	48	51	16.67
11 to 15 Years	..	64	65	21.24
16 to 20 Years	..	56	48	15.69
21 to 25 Years	..	14	29	9.48
26 to 30 Years	..	20	12	3.92
Above 30 Years..	..	17	21	6.86
Total	..	290	306	100.00

(c) Passenger Coaches

Age Group Years	Broad Gauge				Metre Gauge			
	Previous		Current		Previous		Current	
	Financial		Financial		Financial		Financial	
	Year		Year		Year		Year	
	2008-2009		2009-2010		2008-2009		2009-2010	
	No.	Percentage	No.	Percentage	No.	Percentage	No.	Percentage
1 to 5	1284	27.85	1289	26.87	..	..	..	..
6 to 10	1106	23.99	1137	23.71	10	2.98	7	4.86
11 to 15	1107	24.02	1202	25.05	..	..	..	..
16 to 20	758	16.45	735	15.32	280	83.59	118	81.95
21 to 25	334	7.25	415	8.65	33	9.86	18	12.5
26 to 30	19	0.42	18	0.38	9	2.69	1	0.69
31 to 35	..	..	..	..	1	0.29	..	..
Over 35	1	0.02	1	0.02	2	0.59	..	..
Total	4609	100.00	4797	100.00	335	100.00	144	100.00

(i) Passenger Coaches (EMU's) a. Metre Gauge

Age Group Years Motor Coaches	2008-2009		2009-2010	
	Nos.	Percentage	Nos.	Percentage
Broad Gauge				
Less than 1 year	3	1.34	13	5.46
1 to 5	101	45.09	81	34.03
6 to 10	43	19.20	65	27.31
11 to 15	45	20.09	39	16.39
16 to 20	16	7.14	22	9.25
21 to 25	..	..	3	1.26
26 to 30	16	7.14	15	6.30
Total	224	100.00	238	100.00

(ii) Trailer Coaches

Age Group Years	2008-2009		2009-2010	
	Nos.	Percentage	Nos.	Percentage
Less than 1 year	6	1.33	31	6.52
1 to 5	203	45.11	158	33.19
6 to 10	83	18.44	137	28.78
11 to 15	120	26.67	99	20.80
15 to 20	16	3.56	32	6.72
21 to 25	..	..	3	0.63
26 to 30	22	4.89	16	3.36
Total	450	100.00	476	100.00

(d) Wagons

General Services

Age Group Year	<u>Broad Gauge</u>				<u>Metre Gauge</u>			
	<i>Previous</i>		<i>Current</i>		<i>Previous</i>		<i>Current</i>	
	<i>Financial</i>		<i>Financial</i>		<i>Financial</i>		<i>Financial</i>	
	<i>Year</i>		<i>Year</i>		<i>Year</i>		<i>Year</i>	
	<i>2008-2009</i>		<i>2009-2010</i>		<i>2008-2009</i>		<i>2009-2010</i>	
	<i>No.</i>	<i>%</i>	<i>No.</i>	<i>%</i>	<i>No.</i>	<i>%</i>	<i>No.</i>	<i>%</i>
1 to 5	310	3.77	318	3.90	..	..	..	..
6 to 10	1200	14.56	97	1.18	..	..	..	..
11 to 15	3595	43.64	4728	57.97	..	..	..	..
16 to 20	1979	24.03	1828	22.40	235	64.04	181	56.39
21 to 25	1101	13.37	1074	13.17	60	16.35	33	10.28
26 to 30	4	0.04	67	0.83	43	11.72	25	7.78
31 to 35	24	0.30	8	0.09	20	5.44	82	25.55
36 to 40	11	0.13	22	0.26	6	1.63	..	..
Over 40	14	0.16	16	0.20	3	0.82	..	..
Total	8238	100.00	8158	100.00	367	100.00	321	100.00

9. Overaged Rolling Stock on line

(a) Overaged Steam Locomotives on line as on 31st March 2010 (Current Year) Steam

BROAD GAUGE											METRE GAUGE									
Stock condemned in current financial year 2007–2008											Stock condemned in current financial year 2008–2009									
Type of Stock	Total Stock			Stock Overaged			Percentage of overaged to total	Non-Re-placed	Re-placed	Total	Total Stock			Stock overaged			Percentage of overaged to total	Non-Re-placed	Re-placed	Total
	Non-Re-placed	Re-placed	Total	Non-Re-placed	Re-placed	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	15	16	17	18	19	20	21
Passenger	4	6	10	4	6	10	..	..	..	..
Mixed Goods
Light Goods and Miscellaneous.
Total	4	6	10	4	6	10	..	..	..	..

(b) (i) Over aged BG & MG Electric Locos on line as on 31st March 2010 — Nil

(ii) Number of locomotives put off and new locomotives put on line during the year (Current Financial Year) 2009-2010.

Particulars	BROAD GAUGE			METRE GAUGE		
	Steam	Diesel	Electric (A/C.)	Steam	Diesel	Electric (A/C.)
1. No. of locomotives taken off the line	..	20	1	..	13	..
2. No. of locomotives placed on line	..	17	14	..	..	..
3. No. of locomotives permanently transferred from other Railway.	..	16	9	..	..	..
4. No. of locomotives permanently transferred to other Railway.	7	..	..	..

(c) Overaged Coaching Stock on line as on 31st March 2010 —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 2009-2010			
		Non-Replaced	Replaced	Total	Non-Replaced	Replaced	Total		Non-Replaced	Replaced	Total	
BROAD GAUGE—COACHES												
1.	Air-conditioned class	736	..	736	1	..	0	0.01	4	..	4	
2.	Upper Class (First)	40	..	40	..	..	..	0.00	1	..	1
3.	Composite Class	..	..	..	..	..	..	0.00	..	..	..
4.	Lower Class (Second).	4,021	..	4,021	17	..	17	0.32	38	..	38	
5.	Tourist Car Inspection. Carriage and Dining Cars.	121	..	121	..	..	..	0.00	4	..	4
6.	All other coaching Vehicles excluding these under item 5.&PPS.	317	..	317	18	..	18	0.34	4	..	4	
	Total	..	5,235	..	5,235	36	..	36	0.67	51	..	51

Trailer Coaches DMU, DTC & TC Coaches			
Diesel Power Coaches DPC	..	..	..
Trailer Coaches TC	54	..	54
Diesel Trailer Coaches DTC	6	..	6
Total	..	60	..

Particulars	Total stock owned			Stock Over Aged			Percentage of overaged to total stock on line	Stock condemned during the current financial year 2008-2009			
	Non-Replaced	Replaced	Total	Non-Replaced	Replaced	Total		Non-Replaced	Replaced	Total	
METRE GAUGE—COACHES											
1. Air-conditioned Class.	..	..	..	..	..	..	0.00	1	..	1
2. Upper Class (First)	4	..	4	..	..	0	0.00	11	..	11
3. Composite Class	..	..	..	..	..	..	0.00	..	..	..
4. Lower Class (Second)	140	..	140	1	..	1	0.62	179	..	179	
5. Tourist Car Inspection Carriage and Dining Cars.	8	..	8	1	..	1	0.62	1	..	1	
6. All other coaching Vehicles excluding those under item. 5 & PPS	8	..	8	1	..	1	0.62	4	..	4	
Total	..	160	..	160	3	..	3	1.86	196	..	196

DIESEL RAIL CARS			
Driving Trailers YRD	..	..	..
Trailers YRD	..	..	..
Total	..	..	..

RAIL BUS			
YRB	1	0	1

(d) Overaged wagon stock on line as on 31st March 2010 (Broad Gauge wagons)

Type of Wagons	Stock on Line			Stock Overaged			Percentage of overaged to total stock on line	Stock condemned during the current financial year 2009-10			
	Non-Replaced	Replaced	Total	Non-Replaced	Replaced	Total		Non-Replaced	Replaced	Total	
BROAD GAUGE—WAGONS											
1. Covered	4,907	..	4,907	34	..	34	0.33	13	..	13	
2. Open	3251	0	3251	14	0	14	0.13	74	0	74	
3. Brake-Vans	261	0	261	23	0	23	0.22	4	0	4	
4. Tank Wagons	824	0	824	122	0	122	1.20	49	0	49	
5. Special Stock	865	0	865	57	0	57	0.56	5	0	5	
6. Railway Service Wagons.	2	0	2	0	0	0	0.00	0	0	0	
Total	..	10110	0	10110	250	0	250	2.44	145	0	145

METRE GAUGE—WAGONS

1. Covered	281	0	281	60	0	60	13.69	61	0	61
2. Open	40	0	40	43	0	43	9.81	6	0	6
3. Brake-vans	9	0	9	0	0	0	0.00	1	0	1
4. Tank Wagons	95	0	95	17	0	17	3.88	32	0	32
5. Special Stock	0	0	0	0	0	0	0.00	5	0	5
6. Railway Service Wagons.	13	0	13	7	0	7	1.59	12	0	12
Total	438	0	438	127	0	127	28.97	117	0	117

BROAD GAUGE**METRE GAUGE**

Particulars	Coaches		Wagons		Coaches		Wagons	
Number put off the line during the year 2009-2010.	82*		145		196		117	
Number put on line during the year 2009-2010.	282		137		0		5	

* Including Transfer and Conversion

10 (a) Locos under or Awaiting Repairs

Details	Year	Average		Average under		In Mechanical		Stabled in		In Shed and		In Transit	
		No. on	Repairs		Workshops	Sheds awaiting	workshop	Transportation					
		line	No.	%	No.	%	repairs	repairs	Workshops	No.	%	No.	%
Previous Financial Year 2008-2009		BROAD GAUGE											
Diesel Electric	..	269.10	21.25	7.90	5.07	1.88	..	..	16.18	6.01	..	..
Diesel Hydraulic	..	49.00	4.06	8.29	1.0	2.04	-	-	3.06	6.24	..	..
Electric	..	281.24	22.39	7.96	8.09	2.88	-	-	14.30	5.08	..	..
Total	..	599.34	47.7	7.96	14.16	2.36	-	-	33.54	5.60	..	..
Previous Financial Year 2008-2009		METRE GAUGE											
Steam	..	8.00	3.06	38.25	1.81	22.63	-	-	1.25	15.63	..	..
Diesel Electric	..	35.17	0.66	1.88	0.66	1.88	-	-	0	0.00	..	..
Diesel Hydraulic	
Electric	
Total	..	43.17	3.72	8.62	2.47	5.72	-	-	1.25	2.90	..	..
Current Financial Year 2009-2010		BROAD GAUGE											
Diesel Electric	..	288.96	18.83	6.52	4.62	1.60	-	-	14.21	4.92	..	..
Diesel Hydraulic	..	42.33	3.58	8.46	1.12	2.65	-	-	2.46	5.81	..	..
Electric	..	298.22	23.76	7.97	8.89	2.98	-	-	14.87	4.99	..	..
Total	..	629.51	46.17	7.33	14.63	2.32	-	-	31.54	5.01	..	..
Current Financial Year 2009-2010		METRE GAUGE											
Steam	..	8.00	3.01	37.63	1.52	19.00	-	-	1.49	18.63	..	..
Diesel Electric	..	20.42	0.00	0.00	0	0.00	-	-	0	0.00	..	..
Diesel Hydraulic	
Electric	
Total	..	28.42	3.01	10.59	1.52	5.35	-	-	1.49	5.24	..	..

(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 Coaching
Vehicles—**

2008-2009	..	..	4510	316.60	7.02	189.38	4.20	28.34	0.63	33.95	0.75	64.93	1.44
2009-2010	..	..	4690	346.23	7.38	217.08	4.63	28.46	0.61	34.38	0.73	66.31	1.41

Other Coaching Vehicles—

2008-2009	..	..	254	21.24	8.36	10.83	4.26	0.71	0.28	5.93	2.33	3.77	1.48
2009-2010	..	..	257	23.23	9.04	12.64	4.92	0.84	0.33	6.11	2.38	3.64	1.42

All Coaching Vehicles—

2008-2009	..	..	4764	337.84	7.09	200.21	4.20	29.05	0.61	39.88	0.84	68.70	1.44
2009-2010	..	..	4,947	369.46	7.47	229.72	4.64	29.30	0.59	40.49	0.82	69.65	1.41

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

METRE GAUGE**Passenger Coaching
Vehicles—**

2008-2009	..	..	403	12.83	3.18	5.83	1.45	0.00	0.00	7.00	1.74	0.00	0.00
2009-2010	263	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other Coaching Vehicles—

2008-2009	..	..	10	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00
2009-2010	..	..	2	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00

All Coaching Vehicles—

2008-2009	..	..	413	12.83	3.11	5.83	1.41	0	0.00	7	1.69	0.00	0.00
2009-2010	..	..	265	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0.00	0.00

(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

2008-2009	10,317	526.17	5.10	89	0.86	190	1.84	247.17	2.40
2009-2010	8,148	548.17	6.73	104	1.28	172	2.11	272.17	3.34

METRE GAUGE

2008-2009	87.17	0	0.00	0	0.00	0	0.00	0	0.00
2009-2010	93.00	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	
						Calendar days	Working days excluding Sundays and Shop Holidays
Previous Financial Year 2008–2009	1	..	..	1	2.00	340	248
Current Financial Year 2009–2010	1	..	..	1	2.00	342	525

The kilometres between periodical overhaul of loco No. 37392

Previous Financial Year 2008–2009 ..

Current Financial Year 2009–2010 .. 29632 Kms.

(@) One X class Steam Loco No. 37,392 attended at GOC for POH cum-conversion into oil firing system and rake pinion system.

(b) Over aged coaching and wagon stock on line as on 31st March 2010**I. Under or awaiting repairs**

Particulars in a Locos	Average on line		Average under repairs		In Mech. W. Shop Car W. Shop		Stabled in the awaiting W. Shop		Installed and transportation W. Shop		Locos in Transit	
	Nos.	%	Nos.	%	Nos.	%	Nos.	%	Nos.	%	Nos.	%
2008–2009	281.24	100	22.39	7.96	..	..	..	..	22.39	7.96	..	..
2009–2010	298.22	100	23.76	7.97	..	..	..	..	23.76	7.97	..	..

(a) Coaches stock under or awaiting Repairs—EMU Broad Gauge

2008–2009	224.16	100	16.18	7.21	..	..	..	..	16.18	7.21	..	..
2009–2010	232.25	100	15.67	6.75	..	..	..	..	15.67	6.75	..	..

EMU Metre Gauge—Nil

11.1. Rolling Stock Turned out after repairs from workshops (a) Coaches in Vus.

Shop	Activity	Previous Financial Year 2008–2009				Current Financial Year 2009–10			
		Periodical Over hauling	Off Schedule		Total	Periodical Over hauling	Off Schedule		Total
			Over Rs. 100	Below Rs. 100			Over Rs. 100	Below Rs. 100	
BROAD GAUGE									
Perambur Carriage Works —									
Passenger Coaches	PCVs	2138	7	0	2145	1984	25.4	3.5	2012.9
Other Coaching	OCVs	210	3	0	213	181	1.1	3.0	185.1
	Total	2348	10	0	2358	2165	26.5	6.5	2198
Perambur Loco Works—									
Passenger Coaches	PCVs	540	0	0	540	533	0	0	533
Other Coaches	OCVs	0	0	0	0	0	0	0	0
	Total	540	0	0	540	533	0	0	533
	DTC/TCs of DEMU	59	0	0	59	69	0	0	69
Golden Rock Workshops —									
Passenger Coaches	PCVs	836	0	0	836	920	0	4.5	924.5
Other Coaches	OCVs	32	0	0	32	45	0.6	0.5	46.1
	Total	868	0	0	868	965	0.6	5.0	970.6

Rolling Stock Turned out after repairs from workshops (b) Coaches in VUs.

Shop	Activity	Previous Financial Year 2008-2009				Current Financial Year 2009-2010			
		Periodical Over hauling	Off Schedule Over Rs. 100	Below Rs. 100	Total	Periodical Over hauling	Off Schedule Over Rs. 100	Below Rs. 100	Total
METRE GAUGE									
Gold Rock Workshop									
Passenger Coaches	PCVs	96	0	0	96	38	0	0	38
Other Coaching Vehicles	OCVs	0	0	0	0	0	0	0	0
	Total	96	0	0	96	38	0	0	38

11.2. Rolling Stock Turned out after Repairs from Workshops (c) Wagons in VUs.

Shop				2008-2009		Total	2009-2010		
				Periodical Overhaul	Off. Schedule		Periodical Overhaul	Off. Schedule	Total
BROAD GAUGE									
Perambur Carriage Works	..	..	..	3,276	0	3,276	3,274	0	3,274
Golden Rock Shops	..	..	..	0	0	0	0	0	0
Total			..	3,276	0	3,276	3,274	0	3,274
METRE GAUGE									
Golden Rock Shops	..	..	..	0	0	0.0	..	..	0

Note.—PCVs—Passenger Coaches, OCVs—Other Coaches

(d) Average number of calendar days taken for repairs in shops (for periodical overhaul) per vehicle for the last two years were as under : —

Particulars	Broad Gauge		Metre Gauge	
	Previous Financial Year 2008-2009	Current Financial Year 2009-2010	Previous Financial Year 2008-2009	Current Financial Year 2009-2010
Passenger Coaches—				
Perambur Carriage Works	13.6	13.2	..	..
Perambur Loco Works	3.31	5.62	..	..
Golden Rock	18.6	20.4	12.3	17.8
Other Coaching Vehicles—				
Perambur Carriage Works	13.1	21.1	..	..
Perambur Loco Works	..	..	..	..
Golden Rock	16.6	14.0	..	..
Wagons—				
Perambur Carriage Works	6.3	7.8	..	..
Perambur Loco Works	..	..	..	..
Golden Rock	..	..	..	..

(e) POH Unit Cost of Repairs (Rs. in Thousands)

Particulars	Broad Gauge		Metre Gauge	
	Previous Financial Year 2008-2009	Current Financial Year 2009-2010	Previous Financial Year 2008-2009	Current Financial Year 2009-2010
	(Actuals)	(F. M.)	(Actuals)	(F. M.)

Locomotives

(i) Unit repair cost (per loco)				
Driving power car of DEMU	1716	2074	No Activity	
LW/PER				
Dsl. Hyd. LW/PER	3279	3797		
AC Electric LW/PER	6999	8519		
Dsl. Elec. GOC	8715	8750	6435	6500

(e) POH Unit Cost of Repairs (Rs. in Thousands)

Particulars	<u>Broad Gauge</u>		<u>Metre Gauge</u>	
	<i>Previous</i>	<i>Current</i>	<i>Previous</i>	<i>Current</i>
	<i>Financial</i>	<i>Financial</i>	<i>Financial</i>	<i>Financial</i>
	<i>Year</i>	<i>Year</i>	<i>Year</i>	<i>Year</i>
	2008-2009	2009-2010	2008-2009	2009-2010
	(Actuals)	(F. M.)	(Actuals)	(F. M.)

(ii) <i>Average cost of repairs per passenger carriage (in FWU's)—PCVs-POH</i>				
Carriage Works/Perambur	689	888		No Activity
Loco Works/Perambur	1399	1823		
Golden Rock	292	293	217	220
Driving Trailer coach of	624	672		
DEMU – POH LW/PER				
Trailer coach of	560	604		No Activity
DEMU – POH LW/PER				
(iii) <i>Average cost of repairs per other coaching vehicles (in FWU's)—OCVs-POH</i>				
Carriage Works/Perambur	573	736		No Activity
Loco Works/Perambur ..	2294	..		
Golden Rock Workshops	199	220	..	150
(iv) <i>Average cost of repairs per wagon (FWU's)—Wagons-POH</i>				
Carriage Works/Perambur	552	649		No Activity
Golden Rock Workshops	..	..	..	..

Rolling Stock Planned out after repairs (In lakhs of rupees)

	Years	
	2008-2009	2009-10
(i) Average cost of maintenance and repairs per locomotive (Electrical)		
Broad Gauge	..	34.78
Metre Gauge
(ii) Average cost of maintenance and repairs of EMU coach unit		
Broad Gauge	..	19.68
Metre Gauge

12. Locomotives coaches and wagons overdue Repairs

Rolling Stock	BROAD GAUGE				METRE GAUGE			
	Previous Financial		Current Financial		Previous Financial		Current Financial	
	Year as on 31st		Year as on 31st		Year as on 31st		Year as on 31st	
	March 2009		March 2010		March 2009		March 2010	
	No.	Percentage	No.	Percentage	No.	Percentage	No.	Percentage
(i) Locomotives—								
(a) Steam	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
(b) Diesel Electric ..	Nil	Nil	Nil	Nil	Nil	8.82	2	25
(c) Diesel Hydraulic ..	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
(ii) Coaches—								
(In VU's)	196	4.52	6	0.11	234	65.9	0	0

13. Engine Failures (Diesel Locos)

(Kms. in thousands)

Year	Total No. of engine failures	Average Kms. per engine failures	Failure under various services			Engine kms. per engine failure (various services)		
			Passenger	Mixed	Goods	Passenger	Mixed	Goods
<u>BROAD GAUGE</u>								
Diesel Electric Locos—								
Previous Financial Year 2008–2009	101	342086	99	-	2	252732	@@	4765134 *
Current Financial Year 2009–2010	64	562610	58	-	6	431572	@@	1829303*
Diesel Hydraulic Locos—								
Previous Financial Year 2008–2009	..	14693*	..	..	..	@ @	@ @	14693*
Current Financial Year 2009–2010	..	24083*	..	..	..	@ @	@ @	24083*
<u>METRE GAUGE</u>								
Diesel Electric Locos—								
Previous Financial Year 2008–2009	..	1303990*	..	..	..	1299316*	@ @	4674*
Current Financial Year 2009–2010	..	642379*	..	..	..	635506*	@ @	6873*
Diesel Hydraulic Locos—								
Previous Financial Year 2008–2009	..	..	..	..	..	..	..	..
Current Financial year 2009–2010	..	.....	..	..	..	..	..	..

Note.—* Denotes total engine Kms. without failure.

@@ There is no services.

Engine Failures (Electrical) 2008–2009 and 2009–2010

(Kms. in thousands)

Year	Total No. of engine failure	Average Kms. per engine failure	Failure under various services			Engine kms./per engine failure various services		
			Passenger	Mixed	Goods	Passenger	Mixed	Goods
<u>BROAD GAUGE</u>								
2008–2009	66	8,08,465	48	..	18	7,26,335	..	10,27,477
2009–2010	51	11,15,343	46	..	5	8,36,211	..	36,83,358

Energy and Amount particulars of traction and Non-traction

Sl. No.	Description	Year	
		2008-09	2009-10
1	Traction consumption in million units	862.737	904.357
2	Non-traction consumption in million units	130.713	125.387
3	Total in million units	993.450	1029.744
4	Traction amount paid in crores	398.087	405.165
5	Non-traction amount paid in crores	66.10	61.639
6	Total in crores	464.097	466.804
7	Traction Average rate ₹./kwh	4.61	4.48
8	Non-traction average rate ₹./kwh	5.05	4.92
9	Total	4.67	4.70

Engine Failures (Steam) 2008-09 and 2009-10 Coonoor/N. M. Railway

Year	Total No. of engine failures	Average Kms. per engine failure	Engine Failures under various services			Engine Kms. per engine failure various services		
			Passenger	Mixed	Goods	Passenger	Mixed	Goods
2008-2009	5	4,611	5	..	..	4,611	..	..
2009-2010	8	1,528	8	..	..	1,528	..	..

Engine Failures (Diesel Locos)

Total No. statistical Engine Failures	..	B. G.	63	M. G.	0
Average Kms. per Engine Failures (in Lakhs)	..	B. G.	6.31	M. G.	0

14. Hot Boxes

Year	Total No. of Hot Boxes	Responsibility			Percentage variation over previous year	No. per One million wagon Kms. and Ten Million Vehicle Kms.
		Southern Railway	Other Railway	Un fixed		
(I) Coaches—						
BROAD GAUGE						
Previous Financial Year 2008–2009	6	3	3	..	(+) 100	0.37
Current Financial Year 2009–2010	2	2	..	..	(+) 67	0.02
METRE GAUGE						
Previous Financial Year 8–2009	..	..	..	..	..	..
Current Financial Year 2009–2010	..	..	..	..	..	..
(ii) Goods—						
BROAD GAUGE						
Previous Financial Year 2008–2009	16	8	8	..	(-) 84.2	0.07
Current Financial Year 2009–2010	27	7	20	..	(-) 68.75	0.39
METRE GAUGE						
Previous Financial Year 2008–2009	..	..	..	..	..	..
Current Financial Year 2009–2010	..	..	..	..	..	..

Note.— (+) Denotes increase in the figures.

(-) Denotes decrease in the figures.

Shed-wise yearly outage-2009-10 B. G. (Mechanical)—Goods

Month	TARGET					ACTUAL				
	ED	GOC	ERS	TNP	TOTAL	ED	GOC	ERS	TNP	Total
April ..	42.4	25.6	9.1	4.4	81.5	46.5	27.5	10.5	4.4	88.9
May ..	43.8	26.1	8.9	4.6	83.4	47.7	31.0	10.3	4.1	93.1
June ..	41.2	27.17	10.8	4.6	83.8	45.15	30.33	11.66	5.11	92.3
July ..	40.8	25.4	11.0	4.6	81.8	45.5	28.7	11.3	5.6	91.1
August ..	39.9	24.68	11.8	4.6	81.0	43.7	29.7	13.1	4.2	90.7
September ..	41.6	25.81	11.1	4.6	83.1	45.83	30.7	10.7	4.5	91.70
October ..	40.8	26	10.1	5.4	82.3	45.8	29.6	11.1	5.8	92.30
November ..	40.8	32.75	10.1	5.4	89.1	44.69	37.8	11.18	5.7	99.4
December ..	39.0	31.4	10.1	5.4	85.9	45.1	38	11.8	6.0	100.9
January ..	38.3	30.6	9.3	5.4	83.6	42.3	36.7	9.3	5.5	93.8
February ..	43.6	32.4	9.4	7.2	92.6	48.2	37.9	8.8	7.5	102.4
March ..	44.4	33.9	7.6	7.9	93.8	48	40.5	8.6	9.4	106.5
Total ..	496.6	341.8	119.3	64.1	1021.8	548.5	398.4	128.3	67.9	1143.1
Average ..	41.4	28.5	9.9	5.3	85.1	45.7	33.2	10.7	5.7	95.3



VIII. ELECTRICAL ENGINEERING

1. Electrical Energy Generation, Purchase, Sales and Consumption.

The following are the figures pertaining to the years 2008-09 and 2009-10 and kWh in Millions :—

Sources of Power	Generated (sent out from busbars)	Purchase	Total
Energy Purchase from State Electricity Board in million Unit		2009-10	2009-10
(a) General Service			
(i) Tamil Nadu	105.683		
(ii) Andhra Pradesh.. ..	0.672		
(iii) Karnataka	1.799		125.387
(iv) Kerala	17.233		
(b) Traction Services			
(i) Tamil Nadu	659.184		
(ii) Andhra Pradesh.. ..	80.415		
(iii) Karnataka			904.357
(iv) Kerala	164.758		
Total			1029.744

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	2009-10
(i) Energy Purchase	In Million kWh	1029.764
(ii) Total Cost	(Rs. in Crores)	466.804
(ii) Average rate per kWh		4.53

3. Analysis of total electrical energy consumed for various services in terms of percentage of the total energy purchase 2009-10.

	Percentage
a. Major workshops (15.209 Million Units)	1.48
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 (11,390 mu) ..	1.11
(ii) Service Buildings (56.108 mu) ..	5.45
(iii) Yard lighting (3.504 mu) ..	0.34
(iv) Hospitals (5.878 mu) ..	0.57
c. Rent returning buildings (This includes RMS Offices, Railway Police Out Post Vendors stalls, Railway quarters, Platform contractors, consumption due to neon sign boards displayed at station premises, etc. for which rent is recovered (33.299 mu).	
i. Staff quarters and staff welfare buildings, (33.299 mu).	3.23
d. Traction Services (904.357 Million Units)	87.82

4. Generating and Purchasing Stations as on 31st March 2010.

Generating Stations : There are no generating stations on this Railway. However, Diesel generating sets of capacities varying from 10kVA to 320kVA 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 2009	219	17,268	71	2,854
As on 31st March 2010	219	17,268	80	3,042

5. Electrical Traction Distribution (2009-10)

Particulars	Upto 31st March 2009	Upto 31st March 2010
	BG	BG
1. Total Route km Electrified	1,870	1,880
2. Total Track km Electrified	4,226	4,143*

*(Reduction due to releasing TBM-VM-MG line)

6. A. C. Electric Locomotives

Particulars	Broad Gauge (average for the year)	
	2008-09	2009-10
(i) Total No. of Engine on line ..	281.24	288.22
(ii) No. of Engine in use (average per day).	..	..
a. Goods Service	110.29	110.55
b. Passenger Service	141.53	155.69
c. Shunting .. ..	..	..
d. Departmental .. ..	..	..
e. Banking .. ..	..	..
f. Spare	1.08	0.31
Total average per day	252.90	266.55
(iii) Engine km/day/Engine in line (all services) ..	583	586
(iv) Engine km/Day/Engine in use (all services) ..	571	574
(v) Total No. of failure		
a. Passenger Service	48	46
b. Goods Service	18	5
(vi) Engine km/Engine failure		
a. Passenger Service	726335	836211
b. Goods Service	1027477	3683358
(vii) Total km (Passenger and goods service) ..	53358698	56882497

7. Suburban Electric Multiple Unit Stock—Broad Gauge

Holding as on 31st March 2010	2008-09	2009-10
a. In terms of 4 Units (4 Coaches WAU-1)	224	238
b. In terms of Coaches (Motor Coaches and trailer Coaches).	450	476
c. Break up of Coaches :—No. of Coaches		
Motor Coaches ICF Coaches		
238	714	
(i) Kms. run in terms of single units	29568620	30460350
(ii) Total No. of Failure ..	9	6
(iii) Kms/Motor Coaches failure ..	3285402	5076725

8. Electrical General Services Particulars

	As on 1-4-2009	As on 1-4-2010
(i) Generating, Converting and transforming Nos. Plants.	331	341
Transformer capacity in kVA	150645	161499
(ii) Total connected loads of installations purchasing power from outside sources in kw. (in thousands)	156079	159234
(iii) Electrification of stations including block huts Nos.	727	727
(iv) Total No. of Motors (other than pump motors in service in major workshops, TL depots, divisional electrical repair shops, Printing Press, etc.)		
Nos.	6767	6763
Capacity in HP	34038	33954
(v) Electrical driven pump Nos.	1346	1669
Capacity in HP	15869	16018
(vi) Electrified Quarters Nos.	33373	33334
Lights	147215	174152
Fans	41406	84802
Plugs	54002	70997
(vii) Service Buildings		
Lights	99687	119631
Fans	30482	35717
Plugs	31392	45007
(viii) Ac plants and refrigeration's equipments		
AC Plants Nos.	1811	2302
Capacity Tons	4955	5048
Refrigerators Nos.	145	205
Capacity Ltrs.	50620	62765

			As on 1-4-2009	As on 1-4-2010
(ix)	Water coolers	Nos.	678	764
	Capacity	Ltrs.	87960	103440
(x)	Air Compressors	Nos.	92	81
	Capacity of Motors in	HP	3264	2666
(xi)	Welding sets	Nos.	619	723
	Capacity in	Amps	133324	135375
(xii)	Battery Chargers	Nos.	1154	1305
	Capacity in	Amps	65705	96134
(xiii)	Lift in stations		40	40
	Escalator in stations		39	39
(xiv)	Other installations, Miscellaneous viz., Geysers, Water distilling plants, Etc., Nos.		480	480
(xv)	Flood light towers in yards—			
	No. of Towers		327	327
	No. of Projectors Wattage kW		1425	1425
			706	703
(xvi)	Length of Transmission line (Other than Traction) km.			
	HT OH		62.53	66.43
	UG		176.476	176.476
	LT OH		1226.83	1208.25
	UG		831.957	806.091
(xvii)	Power line Crossings	Nos.	3016	3024

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 2010 are furnished as follows.

Self Generation AC Coaches Population—

Sl. No.	Type of coaches	Population
1	FAC	9
2	FACCW	45
3	ACCW	202
4	CZAC	28
5	ACCN	366
6	SWGNAC	3
7	SWGACCN	3
Total		641
		656

(b) Shatabdi/Jan Shatabdi Exp.Coaches—

1	FCZACEN	2
2	CZACEN	9
3	WLRRM	3
4	CZ ACJ	6
5	ACCNH	30
6	CZACH	9
7	WLRRMDAC	6
Total		65

Introduction of Incentive Scheme

Progress of introduction of Incentive Scheme :—

Sl. No.	Position as on 31st March 2010	Name of Workshops	
		Perambur	Ponmalai
1	Total strength to be brought under incentive	1165	338
2	Total No. of men put on incentive in any month during the year	871	310
3	Balance yet to be covered	294	28
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 on men necessity arises this men will be covered.	

Sl. No.	Position as on 31st March 2010	Name of Workshops	
		Perambur	Ponmalai
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 TL/CW and LT/LW shops modifications for passenger amenity are carried out namely IC to FL fitting Chart light fitting, Mobile/Laptop charger etc. DEMU and EMU coaches are POH ed at LTLW. CW and LW are maintenance/Service shop.	Nil
6	Average bonus earned per head per day.	86.23	87
7	Average increase in productivity during the year 2009-10 the period to the introduction of incentive scheme (In units).	520 Units (CW and LW are maintenance/service charges).	16 units of BG AC coaches increased

9. Financial Position-Electrical Department

A. Revenue Budget As per the demands for Grants:—

(Figs. in Lakhs of ₹)

Demand Number and Description	Budget grant 2009-10	Final Grant 2010-11
Demand No. 5 Repairs and Maintenance of Motive Power (Electric Loco)	10424	10356
Demand No. 6 Repairs and Maintenance of Carriages and Wagons- EMU, TL and AC	21448	25813
Demand No. 7 Repairs and Maintenance of Plants and Equipments.	11269	12967
Demand No. 8 Operating Expenses-Rolling stock and Equipments.	16649	20566
Demand No. 10. Operating Expenses-Fuel for Electric Traction.	39561	41130
Demand No.11 Staff Welfare and Amenities - Supply of Energy for Power & lighting (J 580)	1744	1820
Total	101095	112652

B. Works Budget:—

(Figs. in Lakhs of Rs.)

Demand Number and Description	Budget Grant 2009-10	Final Grant 2010-11
Plan Expenditure works controlled buy CEE/MAS (Electrical Departments)		
1. Traffic Facilities	15.40	139.75
2. Other Electrical Works	2,100.00	1,490.65
3. Workshops	68.19	240.26
4. Staff Amenities	90.50	154.02
5. Passenger Amenities	379.98	437.87
6. Machinery and Plants	258.87	177.96
7. Rolling Stock	761.59	1045.90
8. Other Specified Works	1.30	55.40
9. Road Safety work	63.20	39.97
Total	3,739.03	3,781.78

10. Railway Electrification/Chennai

I. Progress of Works :

Sl. No.	Name of work	Sanction Estimate	Started in the year	Completed in the year	Remarks
1	Villupuram-Trichchirappalli (via Ariyalur)	101.56	2007	2009 (crs insp dt 24-7-09)	
2	Trichchirappalli-Madurai (via Dindigul)	96.85	2009	Works is in progress	

II. Route kilometre energised in 2009-10 :

Sl. No.	Section	RKM	Energised at 25 kV/2.2 kV
1	DG-ABI	11.568	30.09.09 (2.2 Kv)
2	ABI-SER	38	31.12.09 (2.2 Kv)
3	SER-MDU.	12.587	30.03.10 (2.2 Kv)

IX. SIGNAL AND TELE-COMMUNICATION

1. General. — The over all performance of Signal and Tele-communication Installations continued to be satisfactory consistent with the Increase in assets consequent to the execution of numerous planned works.

2. Signalling.—The classification of stations based on Interlocking provided on this Railway Gauge-wise is under :—

Gauge As on	Inter-locked stations						Non-Inter-locked stations		Total No. of	
	Std. III		Std. I		Rudimentary		Without Rudimentary		Block Stations	
	31st March 2009	31st March 2010	31st March 2009	31st March 2010	31st March 2009	31st March 2010	31st March 2009	31st March 2010	31st March 2009	31st March 2010
Broad Gauge	367	382	56	57	1	0	2	2	426	441
Metre Gauge	0	0	24	12	13	13	2	2	39	27
Total	367	382	80	69	14	13	4	4	465	468

Summary

Total No. of Inter-locked stations as on 31-03-2010	382	+	69	+	13	=	464
Total No. of Non-Interlocked stations as on 31-03-2010	—	—	—	—	—	=	4 only.
Total No. of Block stations :	464	+	4	=			468

Note.— 1. This excludes flag & Halt stations but includes block huts.

2. Stations in automatic territory where emergency cross over exists and worked from the premises are included.

3. Stations in automatic territory where there are no points but provided with signals and track circuits are treated as non-block stations and hence are not included in the list of block stations.

(B) System of Train Working.—Various systems of train working in vogue with number of block sections as on 31st March 2009 Gauge wise along with corresponding figures for 31st March 2010 are given below :—

Serial No.	System of Train Working	Broad Gauge		Metre Gauge		Total	
		31st March 2009	31st March 2010	31st March 2009	31st March 2010	31st March 2009	31st March 2010
1.	Single Line Token Instrument (No. of Block section)	14	12	39	27	53	39
2.	Tokenless Block Instrument (No. of Block section)	249	218	0	0	249	218
3.	Paper Line Clear Ticket	—	—	—	—	—	—
	a. Single Line	—	—	—	—	—	—
	b. Double Line	—	—	—	—	—	—
4.	Lock and Block Instrument (No. of Block section)	108	136	0	0	108	136
5.	Automatic Signalling in KMs.						
	a. Track Kilometres	969.46	1005.92	0.00	0.00	969.46	1005.92
	b. Route Kilometres	425.66	434.06	0.00	0.00	425.66	434.06
6.	Intermediate Block Signalling in Kms.	83.67	100.84	0	0	83.67	100.84
7.	One Engine Only System	—	—	—	—	—	—
8.	Other Systems						
	a. Continuous Track Circuiting (Other than Auto signalling)	46.71	59.82	0	0	46.71	59.82
	b. Twin Single Line	165.36	236.76	0	0	165.36	236.76
	c. Train Staff Ticket System	—	—	—	—	—	—

(C) Type of Signalling as on current year 31st March 2010—

Serial No.	Route	Total No. of stations			Total
		Double Line	Single Line	Multiple Line	
(i)	(a) Two Aspect Semaphore Signalling—				
	'A' Route	..	..	..	..
	'B' Route	..	..	..	..
	Others (including MG)	..	20	..	20
	(b) Two Aspect Colour Light Signalling —				
	'A' Route	..	..	..	..
	'B' Route	..	..	..	..
	Others (including MG)	..	..	..	..
(ii)	Multiple Aspect Signalling—				
	(a) Multiple Aspect, Upper Quadrant Signalling.				
	'A' Route	..	..	..	..
	'B' Route	..	..	..	..
	Others (including MG)	..	34	..	34

Route	Total No. of stations			Total
	Double Line	Single Line	Multiple line	
(b) Multiple aspect colour light signalling—				
'A' Route	21	..	..	21
'B' Route	119	57	..	176
'C' Route	5	..	..	5
'D' Route	60	49	..	109
'E' Route	..	103	..	103
MG	..	..	..	..

(D) Electrical & Electronic Signalling—

	Total No. of stations on			
	'A' Route	B' Route	Others	Total
(i) Electronic Inter-locking (SSI)	8	13	12	33
(ii) Route Relay Inter-locking (RRI)	3	34	18	55
(iii) Panel Inter-locking (PI)	10	112	176	298
(iv) Centralised Operation by SM's Control (CO)	..	10	26	36
(v) Centralised Traffic Control	..	..	..	..

(ii) Non-Inter locked Gates—

Route	Total No. as on 31st March 2010					
	Special Class	'A' Class	'B1' Class	'B2' Class	'C' Class	Total
Trunk Route and Important Main Line :	2	7	..	..	89	98
1. 'A' & 'B' Route on B. G.	..	1	..	..	3	4
2. 'Q' & 'R' Route on M. G.	..	..	..	..	..	..
Others ..	12	30	2	13	589	646
Total	14	38	2	13	681	748

(iii) Unmanned Gates.—As on 31st March 2010

Sl. No.	Section	No. of Unmanned Gates			
(1)	Single line	..	..	..	1,098
(2)	Double line	..	..	..	58
Total		..	..	..	1,156

H. Tele-communication Narrative Report—2009-10

(I) Exchanges

Sl. No.	Exchanges	Auto Exchanges	Inter-com.	Remarks
(1)	Total No. of Exchanges	68	50	..
(2)	Telephone Lines (in service)	14,219	2,690	..

(II) Traffic Control Including Area Control

Section Control

Sl.No.	Division	Section	Route Kms
--------	----------	---------	-----------

i) BSNL Rented Aerial Lines

1.	Salem	Coimbatore – Mettupalayam	38.51
2.	Salem	Mettupalayam – Udhagamandalam	45.88
3.	Palakkad	Pollachi – Palakkad	57.87
4.	Tiruchchirappalli	Villupuram – Vellore Cantonment	150.23
5.	Madurai	Tenkasi – Tirunelveli	72.02
6.	Madurai	Virudunagar – Manamadurai	66.55
7.	Madurai	Sengottai – Quilon	94.29
8.	Madurai	Madurai – Bodinayakanur	89.74
Total			612.09

ii. Railway owned

1.	Thiruvananthapuram	Thiruvananthapuram – Nagercoil	71.05
2.	Thiruvananthapuram	Nagercoil – Tirunelveli	73.29
3.	Thiruvananthapuram	Nagercoil – Kanniyakumari	15.51
4.	Tiruchchirappalli	Villupuram – Mayiladuthurai	121.00
Total			280.85

RE-QUAD TELECOM CABLES

1.	Chennai	Arakkonam – Jolarpettai	144.54
2.	Chennai	Pattabiram – Pattabiram Military Siding 'E' Depot :	6.00
3.	Chennai	Villivakkam – Annanagar	3.09
4.	Salem	Jolarpettai – Salem	120.04
5.	Salem	Salem – Mettur Dam	40.25
Total			313.92

OFC + RE QUAD CABLE

1.	Chennai	Chennai – Thirumayilai	8.66
2.	Chennai	Chennai – Arakkonam	67.02
3.	Salem	Salem – Erode	59.25
4.	Salem	Erode – Coimbatore	100.54
5.	Salem	Irugur – Podanur – Coimbatore	16.77
6.	Palakkad	Podanur – Palakkad	48.55
7.	Palakkad	Palakkad – Shoranur	44.20
Total			345.01

Sl.No.	Division	Section	Route Kms
1.	Tiruchchirappalli	Tiruvarur – Karaikudi	148.99
Total			148.99

Railway 6 QUAD ALONE

1.	Tiruchchirappalli	Thanjavur – Kumbakonam	39.35
2.	Tiruchchirappalli	Kumbakonam – Mayiladuturai	31.10
3.	Tiruchchirappalli	Vridhachalam – Cuddalore	57.32
4.	Salem	Vridhachalam – Salem	138.88
5.	Madurai	Madurai – Manamadurai	48.02
6.	Madurai	Manamadurai – Rameswaram	113.47
7.	Madurai	Manamadurai – Karaikudi	61.16
8.	Madurai	Karaikudi – Tiruchchirappalli	90.45
9.	Madurai	Virudunagar – Tenkasi	122.16
10.	Madurai	Tenkaši – Sengottai	7.85
11.	Madurai	Tirunelveli – Tiruchendur	61.21
Total			770.97

OFC + 4 QUAD

1.	Chennai	Chennai – Gudur	136.00
2.	Chennai	Chennai Beach – Villupuram	162.76
3.	Chennai	Thirumayilai – Tiruvannamur-Vellachery	12.00
4.	Salem	Erode – Tiruchchirappalli	141.20
5.	Palakkad	Shoranur – Calicut – Mangalore	307.07
6.	Thiruvananthapuram	Shoranur – Trisur – Ernakulam	104.85
7.	Thiruvananthapuram	Ernakulam – Kollam	155.50
8.	Thiruvananthapuram	Kollam – Thiruvananthapuram	64.88
9.	Thiruvananthapuram	Ernakulam – Alleppey – Kayankulam	100.34
10.	Tiruchchirappalli	Villupuram – Vridhachalam – Tiruchchirappalli	179.53
11.	Tiruchchirappalli	Tiruchchirappalli – Thanjavur – Tiruvarur	103.80
12.	Madurai	Tiruchchirappalli – Madurai	154.66
Total			1622.59

OFC + 6 QUAD

1.	Chennai	Chengalpattu – Arakkonam	62.96
2.	Thiruvananthapuram	Thiruvananthapuram – Nagercoil	71.03
3.	Thiruvananthapuram	Nagercoil – Tirunelveli	73.29
4.	Thiruvananthapuram	Nagercoil – Kanniyakumari	15.51
5.	Thiruvananthapuram	Trichur – Guruvayur	22.63
6.	Tiruchchirappalli	Mayiladuthurai – Tiruvarur	47.91
7.	Tiruchchirappalli	Tiruvarur – Nagore	30.37
8.	Tiruchchirappalli	Katpadi – Vellore Cantonment	9.90
9.	Madurai	Madurai – Tuticorin – Tirunelveli	197.71
10.	Madurai	Dindigul – Pollachi	121.20
11.	Palakkad	Shoranur – Nilambur	65.80
Total			718.31

1.	Chennai	Chengalpattu – Arakkonam	62.96
2.	Thiruvananthapuram	Thiruvananthapuram – Nagercoil	71.03
3.	Thiruvananthapuram	Nagercoil – Tirunelveli	73.29
4.	Thiruvananthapuram	Nagercoil – Kanniyakumari	15.51
5.	Tiruchchirappalli	Mayiladuturai – Tiruvarur	47.91
6.	Tiruchchirappalli	Tiruvarur – Nagore	30.37
7.	Tiruchchirappalli	Katpadi – Vellore Cantonment	9.90
8.	Madurai	Madurai – Tuticorin – Tirunelveli	197.71
9.	Madurai	Dindigul – Pollachi	121.20
Total			629.88

CONTROL SECTIONS

Division	Section
Chennai	Chennai – Tiruvallur
	Chennai – Tiruvallur – Katpadi
	Chennai – Katpadi – Jolarpettai
	Chennai – Arakkonam – Renigunta
	Chennai – Gudur
	Chennai Beach – Villupuram
	Chengalpattu – Arakkonam
	Chennai Beach – Tambaram
	Chennai Beach – Velachery

Salem	Salem - Jolarpettai, Salem - Metturdam, Salem - Vriddhachalam
	Salem - Erode - Coimbatore - Podanur - Kinathukadavu, Coimbatore - Udhagamandalam
	Salem - Karur - Tiruchchirappalli, Karur - Dindigul
	Palakkad - Shoranur, Palakkad - Pollachi - Kinathukadavu - Palakkad - Podanur
Palakkad	(Palakkad) - Shoranur - Cannanore, Shoranur - Nilambur - (Palakkad) - Cannanore - Panambur
	Thiruvananthapuram - Kollam - Ernakulam
Thiruvananthapuram	Kollam - Ernakulam - Shoranur, Ernakulam - Alleppey - Kayankulam - Kochi Harbour Terminus
	Kollam - Thiruvananthapuram - Kanyakumari - Nagercoil - Tirunelveli
Tiruchchirappalli	(Tiruchchirappalli) - Villupuram - Katpadi, Villupuram - Pondicherry, Cuddalore - Villupuram, Vriddachalam - Cuddalore
	Tiruchchirappalli - Vriddachalam - Villupuram, Tiruchchirappalli - Thanjavur - Kumbakonam - Mayiladuthurai - Cuddalore
	Tiruchchirappalli - Tanjavur - Tiruvarur - Nagore, Tiruvarur - Mayiladuthurai, Tiruvarur - Thiruthurai - Karaikudi
	Madurai - Dindigul - Tiruchchirappalli - Dindigul - Pollachi
Madurai	Madurai - Virudunagar - Vanchi Maniyachi, Tuticorin - Vanchimaniyachi - Tirunelveli, (Madurai) - Manamadurai - Rameswaram, Manamadurai - Virudunagar, Manamadurai - Karaikudi - Tiruchchirappalli, Virudunagar - Tenkasi, Tenkasi - Quilon, 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

MICROWAVE

Network	No. of Stations	Route Kilometre
Digital Microwave	25	934.75

RAILNET CONNECTIVITY

S.No.	Connectivity	No. of locations Provided with Railnet
1.	LAN connectivity	60 Nodes
2.	Dialup connectivity	7 Nodes
3.	Internet Gateway Connection	20 MB through RCIL

PRS & UTS

Division	PRS Locations	UTS Locations
Chennai	39	120
Salem	15	73
Palakkad	23	50
Thiruvananthapuram	32	37
Tiruchchirappalli	23	51
Madurai	28	92
Total	160	423

PASSENGER AMENITIES

S.No.	Telecom Items	Numbers
1.	PC based PA system	95
2.	Clocks [QUARTZ]	All Stations provided
3.	Coach Guidance System	52
4.	Train Display Board	101
5.	Conventional PA System	215
6.	Touch screens	207
7.	POET	87

SATELLITE PHONES—9**FOIS ,CMS & COIS**

1.	FOIS	87 Locations
2.	COIS	53 Locations
3.	CMS	26 Locations
4.	V SAT Connectivity	18 Locations

VOICE RECORDER IN CONTROL OFFICE

Voice Recorders are provided on all the 23 Section controls and 8 Traction Power Control in all Divisions.

CUG PHONES

5602 CUG SIM cards of M/S AIRTEL are provided for Officers & Staff in all Divisions, Headquarters office, project and Construction wing.

VIDEO CONFERENCE

Video conferencing arrangements in Headquarters and all divisions is connected through OFC Ethernet media with ring protection.

CRB with GMs Video Conferencing system is connected through OFC MPLS Network between Chennai and New Delhi.

Southern Railway migrated from BSNL CUG to AIRTEL CUG scheme (as per Railway Board letter 2004/Tele/TN/3/Pt dated 15.2.08) on 1st July 2008. 5,076 Airtel CUG Sim cards distributed to all divisions, Headquarters Office and Construction wing.

Video conference in Headquarters with all divisions are connected through OFC Ethernet media with ring protection.

PERFORMANCE OF TELECOMM CIRCUITS

S. No.	Name of The Circuit	Performance in %
a.	Average Efficiency of MW network	
	Inter Railway	99.97
	Intra Railway	99.98
b.	Average Efficiency of Control Circuits on Railway OFC Circuit	98.41
	Operating	99.99
c.	Average Efficiency of Control Circuits on Railway 4 Quad Cable Circuit	99.93
	Operating	99.99
d.	Average Efficiency of Control Circuits on Railway 6 Quad Cable Circuit	99.88
	Operating	99.99
e.	Average Efficiency of Control Circuits on Railway RE Cable Circuit	99.56
	Operating	99.84
f.	Average Efficiency of Control Circuits (Railway OH Link) Circuit	99.88
	Operating	99.98
g.	Average Efficiency of Control Circuits (BSNL OH Link) Circuit	90.77
	Operating	96.89

3. MATTER RELATING TO TELECOMMUNICATION WORKS—OFC WORKS

Sl. Nos.	Description of Work	Year of Programme	Estimated cost Rs. (in lakhs)	Physical progress upto 31st March 2010	Remarks
1.	DG-POY-CBE-PGT (OFC & 6 Quad)	2004 – 05	848.41 DF4	60%	Work is in progress.
2.	Dindigul - Karur (OFC & 6 Quad)	2006 – 07	420.54 DRF	85%	Work is in progress.
3.	Madurai - Manamadurai - Rameswaram - OFC	2007 – 08	526.10 DF4	70%	Work is in progress.
4.	Salem - Jolarpettai Jn. - OFC work	2007 – 08	455.47 DRF	80%	Work is in progress.
5.	Arakkonam Jolarpettai - 6 Quad cable	2007 – 08	420.54 DRF	90%	Work is in progress.
6.	Arakkonam - Renigunta - 6 Quad cable	2007 – 08	327.71 DRF	90%	Work is in progress.
7.	Coimbatore North - Mettupalayam, Mettupalayam - Udhagamangalam - (OFC & 6 Quad)	2007 – 08	456.13 DRF	40%	Work is in progress.
8.	Chennai - Arakkonam - 6 Quad cable	2008 – 09	318.47 DRF	20%	Work is in progress.
9.	Shoranur - Nilambur - OFC & 6 Quad cable	2008 – 09	421.13 DRF	80%	Work is in progress.

4-MATTER RELATING TO S&T / PROJECTS / CHENNAI

Para 3:- Major Signalling Development and Signalling Elements of Line Capacity Works Costing More than 20 Lakhs.

(a) Pure Signalling Works.

3(a) (i) the Position of Major Signalling Works at the end of Financial Year review is as under :-

Sl. No.	Name of Work	Sanctioned in the Year	Estimated cost in Lakhs of Rs.	Physical progress upto 31st March 2010	Remarks
1.	Chennai Beach – Gummidipundi – Auxiliary Warning System (TPWS)	1998-99	5354.37 DF(4)	100%	Work commissioned on 2-5-08. On Board equipments were installed and completed in all 82 motor coaches and commissioned in 82 motor coaches and tested.
2.	Southern Railway - Advanced Starters at Stns. With LSS based starters (9 Stns).	1999-2000	55.66 DF(4)	100%	Work completed at all 9 stations.
3.	Chennai, Palakkad, & Thiruvananthapuram, Divisions – Calling on signals and signal post type telephones at 17 Stns.	1999-2000	78.35 DF(3)	95%	Work completed and commissioned at 16 stations and work is in progress at balance one stations (Avadi) will be completed along with replacement work.
4.	Chennai, Palakkad & Tiruchchirappalli Divisions- Calling on Signal with Post Telephones below Home Signal. (20 Stns.)	2000-01	122.8 DF(3)	60%	Work completed at 10 stations and balance work at 9 stations in SA division is proposed for dropping due to insufficient space in existing relay rooms and at one station i.e. MNY. in PGT division is proposed to drop due to sanctioning of replacement work.
5.	Chennai – Pattabiram & Chennai – Gummidipundi Improvement of Signalling arrangements by provision of Data Logger with remote monitoring (220 Nos.).	2000-01	374.21 DF (3)	90%	21 Nos. of data loggers provided and commissioned and cable laying work is in progress for RTU between MAS-PAB and MAS-GPD sections.

Sl. No.	Description of Work	Year of Programme	Estimated cost Rs. (in lakhs)	Physical progress upto 31st March 2010	Remarks
6.	Southern Railway – Provision of Advanced starter where starters are working as Last Stop Signals. (10 Stations.)	2000-01	147.32 DF(4)	90%	Work completed at 9 stations and balance work at one station is dovetailed with extension of platform work.
7.	Pattabiram – Arakkonam - Audio frequency track circuit in lieu of conventional DC track circuit.	2000-01	1458.93 SRSF	90%	Work completed.
8.	Chennai Division – Basin Bridge, Korukkupet & Veysarpadi – Replacement of signalling gears	2001-02	532.26 SRSF	100%	Work completed at all stations.
9.	Chennai – Ambattur – Audio Frequency Track Circuit in lieu of conventional DC Track Circuit on Slow Lines.	2002-03	458.01 DRF	—	Revised estimate is sanctioned and work is in progress.
10.	Chennai Division : Improvement of Safety by Tripple Pole Lamps (200 Nos.) and enhancement of reliability of data logger (10 Nos.) and IPS (3 Nos.)	2002-03	27.60 DRF 138.60 DF (4)	80%	1) Estimate is sanctioned. Provision of Triple pole lamps, Dataloggers are completed and procurement of IPS work is in progress.
11.	Tiruchchirappalli Division : Improvement of Safety by Triple Pole Lamp (200 Nos.) and replacement of Power supply equipment.	2002-03	61.22 DF(4)	100%	Work completed and commissioned.
12.	Thiruvananthapuram Dn. : Improvement of Safety by Tripple Pole Lamp (150 Nos.) and enhancing of reliability by data logger (13 Nos.) & replacement of power supply equipment.	2002-03	33.60 DRF 157.07 DF(4)	100%	Work completed and commissioned.
13.	Arakkonam – Renigunta – Replacement of signalling gears with centralised operation of points and signals (B route) (7 stations).	2002-03	1607.65 SRSF	100%	Work completed and commissioned.
14.	Chennai & Madurai Dn. – Repl. of signalling gears with centralised operation of points & signals. (4 stations).	2002-03	1213.83 SRSF	100%	Work completed and commissioned.
15.	Ernakulam Town - Repl of signalling gears with centralised operation of points & signals (A route) (4 stations)	2002-03	242.59 SRSF	100%	Work completed and commissioned.
16.	Palakkad Division - Repl of signalling gears with centralised operation of points & signals (B route) (6 stations)	2002-03	1263.53 SRSF	92%	Work completed.
17.	Palakkad Division - Perundurai, Ingur, Uttukuli, Somanur & Sulus - Repl. of signalling gears with centralised operation of points & signals. (B Route)	2002-03	958.53 SRSF	100%	Work completed and commissioned.
18.	Thiruvananthapuram Dn. - Repl of signalling gears with centralised operation of points & signals (D route) (9 stations)	2002-03	1409.12 SRSF	90%	Work completed.

Sl. No.	Description of Work	Sanctioned in the Year	Estimated cost in lakhs of Rs.	Physical progress upto 31st March 2010	Remarks
19.	Erode – Karur – Fouling mark to fouling mark & fouling mark to block section limit track circuiting (D&E Routes) (10 stations).	2002-03	1291.61 SRSF	90%	Work completed and commissioned at all stations except Mattancherry.
20.	Southern Railway – Fouling mark to fouling mark (run through) track circuiting (E Route) (20 stations).	2002-03	121.22 SRSF	100%	Work completed and commissioned.
21.	Southern Railway – Track circuiting with centralised operation of points & signals (56 stations).	2002-03	516.32 SRSF	80%	Work completed.
22.	Ennore & Gummidipundi – Replacement of signalling gears by Route Relay Inter-locking.	2003-04	348.75 DRF	100%	Work completed and commissioned at Ennore & Gummidipundi.
23.	Tiruchchirappalli – Dindigul – Enhancement of reliability & Replacement of power supply arrangements.	2003-04	40.00 DRF 40 DF(4)	80%	Provision of Data Loggers is commissioned at 10 Stations and provision of IPS arrangements is in progress.
24.	Palakkad Division – Track Circuiting FM-FM Loop Line, FM-BSL (Straight & Turnout) & Home – Top Point (Straight & Turnout) (E-Route).	2003-04	600.55 DF(4)	100%	Work completed and commissioned.
25.	Thiruvananthapuram Dn. – Track Circuiting fouling mark to fouling mark, fouling mark to block section limits & home to top point (E-Route).	2003-04	77.95 DF(4)	—	No train services to Cochin Harbour Terminus.
26.	Madurai Division – Track Circuiting fouling mark to fouling mark, fouling mark to block section limits & home to top point (E-Route) (Main Line).	2003-04	142.60 DF(4)	100%	Work completed.
27.	Basin Bridge – Ambattu (fast lines) & Ambattur – Pattabiram (slow lines) – Audio Frequency Track Circuits in lieu of Conventional DC Track Circuits.	2003-04	1538.71 DRF	20%	Detailed estimate is sanctioned by GM/S.Rly/MAS. The work is taken up based on the guidelines issued by RDSO and Railway Board. Circuits. Signalling plan, TC and diagram are approved.
28.	Ernakulam – Shoranur – Palakkad Erode – Chennai and Bangalore – Jolarpettai – Chennai – Anti Collision Device.	2003-04	7524.00 DF(4)	—	Detailed estimate sent to Railway Board.
29.	Tamparam – Villupuram – Enhancement of reliability by Data Logger (5 Nos.) with Replacement of power supply arrangements (7 Stations).	2003-04	146.00 DF(4)	100%	Work completed and commissioned.
30.	Palakkad Division – Enhancement of reliability and Jolarpettai-Palakkad – Replacement of Power supply arrangements.	2003-04	194.00 DF(4)	50%	Detailed estimate is sanctioned and work is in progress.
31.	Villupuram – Tiruchchirappalli – Dindigul – Block Proving Axle Counter in Panel/ Route Relay Inter-locked Sections (270.14 Km.) (34 Block Sections.)	2004-05	1395.68 DF (4)	55%	Detailed estimate is sanctioned and work is in progress.

Sl. No.	Description of Work	Sanctioned in the Year	Estimated cost in lakhs of Rs.	Physical progress upto 31st March 2010	Remarks
32.	Jolarpettai – Podanur – Shoranur – Block Proving Axle Counter in Panel/ Route Relay Inter-locked Sections (270.14 Km.) (35 Block Sections.).	2004-05	1644.73 DF(4)	40%	Detailed estimate is sanctioned and work is in progress.
33.	Shoranur – Ernakulam – Alleppey – Kayankulam – Thiruvananthapuram – Block Proving Axle Counter in Inter-locked Sections (317 Km.-39 BS).	2004-05	1493.86 DF(4)	10%	Detailed estimate is sanctioned and work is in progress.
34.	Aralvoimoli, Valliyur & Nanguneri – Upgradation of Inter-locking from Standard I to III.	2004-05	141.31 DF(3)	100%	Work completed.
35.	Ennore – Gummidipundi – Replacement of Conventional DC Track Circuit by Audio Frequency Track Circuit incl. Repl. of sigg. Cables (32 Km.).	2004-05	1153.49 DRF	15%	Consolidate estimate is sanctioned and work is in progress.
36.	Palakkad, Madurai & Tiruchchirappalli Divisions – Track Circuiting (involving Frequent Shunting) (8 Stations).	2004-05	561.84 DF(4)	—	Work completed and commissioned at one SAMT.
37.	Chennai, Palakkad & Madurai Divisions – Track Circuiting (E-Route – 13 Stations).	2004-05	355.00 DF(4)	100%	Work completed and commissioned at all stations.
38.	Chengalpattu – Villupuram – Block Proving by Axle Counter in Panel/ Route Relay Interlocked Section (102 Km. – 11 Block Sections).	2004-05	520.73 DF(4)	—	Revised estimate is sanctioned.
39.	Dindigul – Coimbatore – Pollachi - Palakkad - Repl. of BSNL Overhead Alignment by 6 Quad Cable (218 Km.).	2004-05	714.19 DF(4)	80%	Work completed and commissioned on DG-POY -PTJ section.
40.	Irugur – Coimbatore – Block Proving by Axle Counter in Panel/ Route Relay Inter-locked Section (31 Km. – 4 Block Sections).	2004-05	113.12 DF(4)	20%	Work completed in one block section (PTJ -CBE). Work is in progress in balance 3 block sections.
41.	Nethravathi – Kankanadi – Tokur Block Proving by Axle Counter in Panel/Route Relay Inter-locked Section (21 Km.- 2 Block Sections).	2004-05	62.10 DF(4)	50%	Detailed estimate is sanctioned and work is in progress.
42.	Calicut – Cannanore – Block Proving by Axle Counter in Panel/ Route Relay Inter-locked Section (71 Km.- 10 Block Sections).	2004-05	578.81 DF(4)	70%	Work commissioned at 4Block sections and balance work in progress.
43.	Cannanore – Mangalore - Block Proving by Axle Counter in Panel/Route Relay Inter-locked Section (132 Km. - 15 Block Sections).	2004-05	748.91 DF(4)	70%	Work commissioned at 8 Block sections and balance work in progress.
44.	Thiruvananthapuram – Kanyakumari - Block Proving by Axle Counter in Panel/Route Relay Inter-locked Section (87 Km.- 5 Block Sections).	2004-05	252.04 DF(4)	30%	Detailed estimate is sanctioned.

Sl. No.	Description of Work	Sanctioned in the Year	Estimated cost in lakhs of Rs.	Physical progress upto 31st March 2010	Remarks
45.	Tirunelveli – Nagercoil - Block Proving by Axle Counter in Panel/Route Relay Interlocked Section (70 Km. - 5 Block Sections).	2004-05	244.47 DF(4)	35%	Detailed estimate is sanctioned.
46.	Golden Rock – Thanjavur - Block Proving by Axle Counter in Panel/Route Relay Inter-locked Section (47 Km. - 4 Block Sections).	2004-05	174.67 DF(4)	60%	Detailed estimate is sanctioned and work is in progress in BAL - TJ section.
47.	Dindigul - Madurai - Block Proving by Axle Counter in Panel/Route Relay Interlocked Section (61 Km. - 7 Block Sections).	2004-05	226.48 DF(4)	—	Detailed estimate is sanctioned. The work in two block sections DG-ABI, ABI-KQN & KQN-VDP completed and commissioned. Balance work is in progress.
48.	Pattabiram – Walajah Road (77 Km.) & Gummidipundi – Gudur (90 Km.) – Relay Terminal, Units & Networking.	2004-05	460.36 DF(4)	70%	Work completed in TRL-AJJ section and balance work in progress.
49.	Chennai Beach – Chengalpattu (60 Km), Chengalpattu – Villupuram (102 Km), Arakkonam Jn. - Chengalpattu (63 Km) - Relay Terminal Units & data Logger Networking.	2004-05	256.28 DF(4)	60%	Detailed estimate sanctioned. Tender opened for provision of Cable laying and installation of RTU equipments are in progress.
50.	Erode Jn. – Karur Jn. - replacement of MAUQ Sigg. Gears by (PI) at 6 stations and 3 Mid section LCs including raising of Stanadard of Inter-locking (2 stations) (E-Route) CVD, URL, PAS, KMD, PGR & MPLM.	2005-06	1160.74 DRF	45%	Work completed at 2 stations CVD & PAS and balance work is in progress at 4 stations.
51.	Nagercoil Jn. - Replacement of MAUQ Sigg. Gears by Electronic Inter-locking (E - route)	2005-06	273.44 DRF	95%	Work completed.
52.	Tiruchchirappalli Division - Rehabilitation/Renewal of signal gears (over 35 years) with axle counter track circuiting (10 stations) MARD, TAM, MTT, AMM, PKT, AYI, ATQ, KNPL & TIP.	2005-06	251.64 DRF	—	Work dropped due to closing down of traffic for gauge conversion.
53.	Chennai Division - Repl of shelf type track relays by plug-in type Q relays (1315 Nos.) & Point machines by High Thrust IRS point machines (284 Nos.).	2006-07	389.56 DRF	70%	Detailed estimate is sanctioned and work is in progress.
54.	Palakkad Division - Repl of shelf type track relays by plug-in type Q relays (200 Nos.) & Point machines by High Thrust IRS point machines (68 Nos.).	2006-07	77.48 DRF	60%	Detailed estimate is sanctioned by ADRM/PGT. Contract terminated due to very slow progress and will be refloated shortly.
55.	Thiruvananthapuram Division - Repl of shelf type track relays by plug - in type Q relays (333 Nos.) & Point machines by High Thrust IRS point machines (89 Nos.).	2006-07	108.45 DRF	—	Detailed estimate is sanctioned by Sr.DSTE/TVC and LOA issued.
56.	Tiruchchirappalli Division - Repl of shelf type track relays by plug-in type Q relays (590 Nos.) & Point machines by High Thrust IRS point machines (86 Nos.).	2006-07	151.00 DRF	60%	Detailed estimate is sanctioned by ADRM/TPJ and work is in progress.

Sl. No.	Description of Work	Sanctioned in the Year	Estimated cost in lakhs of Rs.	Physical progress upto 31st March 2010	Remarks
57.	Madurai Division – Repl of shelf type track relays by plug-in type Q relays (360 Nos.) & Point machines by High Thrust RS point machines (20 Nos.).	2006-07	75.08 DRF	90%	Detailed estimate is sanctioned. Replacement of 5E Point machines by IRS point machines are completed and work is in progress.
58.	Chennai Division : Improvement reliability and visibility of signals using light emitting diode Signals (Phase-I) (A & B routes & Suburban sections).	2006-07	529.25 DF(4)	100%	Work completed and commissioned.
59.	Wadakkancheri : Replacement of Panel inter-locking arrangements by Panel Interlocking (Route setting Type) - B Route.	2006-07	170.83 DRF	95%	Work completed and commissioned.
60.	Karur – Dindigul – Repl of overhead block & control alignment by optic fibre & 6 quad cable (D-route) (74 kms).	2006-07	420.54 DRF	100%	Work completed and commissioned.
61.	Arakkonam Jn. – Jolarpettai Jn. – Replacement of RE Cables by 6 Quad Cable (B - Route).	2007-08	149.98 DF(3)	90%	Work is in progress.
62.	Arakkonam Jn. – Renigunta Jn. – Replacement of Telecommn. Cables by 6 Quad Cable (65 Kms).	2007-08	327.71 DRF	100%	Work completed and commissioned at all block sections.
63.	Attipattu - Gummidipundi section – Reliability improvements to ring main power supply for signalling equipments.	2007-08	220.14 DF(4)	—	Detailed estimate is sanctioned. Tender discharged and re-tender is floated.
64.	Chennai Division : Replacement of Point Machines (284 nos.) and Shelf type relays (1315 nos.).	2007-08	390.990 DRF	70%	Work is in progress.
65.	Chennai Division - Provision of Station Data Loggers. (13 stations).	2007-08	100.41 DF(4)	98%	Work completed
66.	Angadipuram – Vaniyambalam and Nilambur section - Replacement of MAUQ signalling by MACL.	2007-08	309.66 DRF	—	Detailed estimate is sanctioned. LOA issued for AAM, VNB & NIL stations and work is yet to start.
67.	Palakkad and Thiruvananthapuram Division - Replacement of point machines (68 nos.) and Shelf type Relays (200 nos.).	2007-08	177.19 DF(4)	—	Detailed estimate is sanctioned.
68.	Thiruvananthapuram Division Station Dataloggers (25 stations).	2007-08	180.10 DF(4)	—	Detailed estimate is sanctioned and work is in progress in 13 stations.
69.	Tiuchchirappalli Division - Replacement of point machines (86 nos.) and Shelf type Relays (590 nos.).	2007-08	155.62 DF(4)	30%	Detailed estimate is sanctioned and 16 nos. of point machines were replaced and balance work in progress.
70.	Tiuchchirappalli Division (12 nos.) and Madurai Dn. (8 nos.) - Station Dataloggers (25 stations).	2007-08	196.48 DF(4)	—	Equipments installed at 2 stations and work is in progress at balance 18 stations.
71.	Chengalpattu Jn. – Villupuram Jn. – Integrated Power Supply (16 stations).	2007-08	267.70 DF(4)	—	Work dropped.

Sl. No.	Description of Work	Sanctioned in the Year	Estimated cost in lakhs of Rs.	Physical progress upto 31st March 2010	Remarks
72.	Palakkad Division – Station Dataloggers with networking (33 stations)	2007-08	259.19 DF(4)	—	Detailed estimate is sanctioned.
73.	Coimbatore North – Mettupalaiyam (35 km) & Mettupalaiyam – Udhagamandalam (45 Km) – Composite Quad cable.	2007-08	335.00 DF(3)	40%	Detailed estimate sanctioned. Tender opened for MTP-UAM section and TCM under finalisation.
74.	Jolarpettai Jn. – Salem Jn. - Optic fibre cable (18 stations).	2007-08	455.46 DF(3)	80%	Testing and commissioning are in progress.
75.	Madurai and Tiruchchirappalli Divisions - Light Emitting Diode signals in Chord lines.	2007-08	364.66 DF(4)	—	Provision of LED signals have been completed at 13 stations in MDU Dn. and balance work is in progress.
76.	Madurai – Manamadurai – Rameswaram – Optic-fibre cable.	2007-08	526.10 DF(3)	60%	Detailed estimate is sanctioned tender awarded.
77.	Pettavatalai & Kulithai - Replacement of Multi Aspect Upper Quadrant Signals by Panel inter - locking and upgradation of standard of Inter-locking.	2007-08	430.13 DRF	15%	Detailed estimate is sanctioned.
78.	Southern Railway - Taking over STM-1 associated equipment & 4 Fibre of Optic Fibre Cable from Railtel as per revised agreement	2007-08	412.16 DRF	100%	Work completed.
79.	Chennai Central – Arakkonam Jn. – 6 Quad Cable (B-Route) (70 Kms) incl. Pattabiram - Pattabiram E depot. (5 Kms).	2008-09	318.47 DRF	—	Detailed estimate is sanctioned. Tender opened for TI-AJJ section
80.	Perambur – Tiruvellore – Ring main arrangement and Replacement of Power Cable (36.03 Kms).	2008-09	318.10 DF(4)	—	Detailed estimate is sanctioned.
81.	Chennai Beach – Villupuram Jn., Chennai Beach - Tirumayalai – Light Emitting Diode Signals (Phase - II).	2008-09	263.00 DF(4)	95%	In MSB-CGL section works completed.
82.	Villivakkam, Ambattur and Avadi - Replacement of Signalling gears by Route Relay Inter-locking.	2008-09	829.19 DRF	—	S & T Main estimate along with Engineering and Electrical sub estimate is vetted.
83.	Shoranur – Nilambur – Repl of BSNL overhead block & control alignment by optic fibre & 6 quad cable (D-route) (66 kms).	2008-09	385.00 DRF	70%	Work is in progress.
84.	Palakkad Division – Provision of Colour light signalling arrangements in lieu of semaphore signalling arrangements at Inter-locked LC gate No.002, 004 & 006 between SRR - AAM sections and No. 008 and 009 between VNB - AAM section.	2008-09	128.77 DRF	—	Detailed estimate is sanctioned. Contract for S&T work is awarded and work is yet to start.

Sl. No.	Description of Work	Sanctioned in the Year	Estimated cost in lakhs of Rs.	Physical progress upto 31st March 2010	Remarks
85.	Thiruvananthapuram Division- Karukutty —Replacement of wornout Signalling gears by Route Setting Type Panel Inter-locking.	2008–09	182.63 DRF	—	S & T Main estimate sanctioned. Indents for vital items are placed to COS/PER.
86.	Chennai Division – Chennai Beach - Villupuram Jn. Replacement of OMEX - 8A by SDH and PD MUX with power supply arrangement in between MSB-VM section.	2009–10	157.45 DRF	—	Estimate is under Accounts vetting.
87.	Chennai Division : Replacement of aged and worn-out signalling gears by Panel Inter - locking at Sri Venkatesaperumalrajapuram.	2009–10	144.25 DRF	—	Detailed Estimate is under preparation
88.	Chennai Division - Arakkonam – Chengalpattu - Provision of BPAC in PI/RR1 sections - 5 Block sections.	2009–10	167.81 DRF	—	Detailed Estimate sanctioned by CSTE/projects.
89.	Chennai Division - Arakkonam - Jolarpettai, Salem - Erode - Coimbatore, Erode - Tiruchirappalli, Madurai - Thiruvananthapuram - Kanniyakumari - Taking over 4 fibres from Railtel Corporation.	2009–10	288.67 DF(3)	—	Estimate is under Accounts vetting.
90.	Salem Division - Replacement of aged and worn-out signalling gears by Panel Inter-locking at Vijamangalam and Tottipalayam	2009–10	309.57 DRF	—	Site particulars are being collected for preparation of Detailed estimate.
91.	Salem Division - Replacement of Multi Aspect Upper Quadrant Signalling Gears by Panel Inter-locking at Karamadai and Mettupalayam.	2009–10	459.73 DRF	—	Site particulars are being collected for preparation of Detailed estimate.
92.	Salem Division - Improving the reliability and visibility of signals using LED signals.	2009–10	135.59 DRF	—	Estimate is under Accounts vetting.
93.	Salem Division – Salem - Mettur Dam - Provision of OFC (40 Kms) - 5 stations & 6 Quad Cable between Omalur - Mettur Dam.	2009–10	230.71 DRF	—	Detailed Estimate is under preparation.
94.	Salem Division - Replacement of MAUQ signalling gears by Panel Inter-locking at Virarakkiam.	2009–10	223.66 DRF	—	Site particulars are being collected for preparation of Detailed estimate.
95.	Palakkad Division - Replacement of obsolete SDH equipment with provision of NMS and and enhancement of primary muxes in SRR-CLT section.	2009–10	34.87 DRF	—	Estimate is under Accounts vetting.
96.	Thiruvananthapuram Division - Provision of LED Signals over TVC division (ERS-SRR section - B Route portion).	2009–10	76.00 DF(4)	—	S & T Main estimate sanctioned. Indents for vital items are placed to COS/PER.
97.	Palakkad Division - OFC along with SDH ADD/Drop Muxes (STM-I) Digital primary D/I muxes and other associated equipments at ERS-SRR section.	2009–11	82.53 DRF	—	Estimate is under Accounts vetting.

Sl. No.	Description of Items	Added during 2008-09	Total as on 31-3-2009	Added during 2009-10	Total as on 31-3-2010
1.	Token Block Working (No. of Block Sections)	-31	52	-13	39
2.	Tokenless Block Working (No. of Block Sections)	14	249	-31	218
3.	Lock & Block Working (No. of Block Sections)	-14	108	28	138
4.	Intermediate Block Sections (No. of Block Sections)-4	0	6	2	8
5.	Block Proving by Axle-counters (No. of Block Sections)	33	74	35	109
6.	Colour Light Signalling (No. of Stations)				
	(i) Multi Aspect	12	396	16	414
	(ii) 2-Aspect	—	—	—	—
7.	Semaphore Signalling (No. of stations)				
	(i) MAUQ	-4	37	-3	34
	(ii) MLQ	—	—	—	—
	(iii) LQ	-3	32	-12	20
8.	Automatic Block Working				
	(i) Track kms.	141.84	969.46	36.46	1005.92
	(ii) Route Kms.	70.92	425.66	8.40	434.06
9.	Automatic Permissive Block Working				
	(i) Track kms.	0	58.28	0.00	58.28
	(ii) Route Kms.	0	29.14	0.00	29.14
10.	Safety Devices at Level Crossings				
	(i) Inter-locking at Level Crossings (Nos.)	31	1103	11	1114
	(ii) Lifting Barriers at Level-Crossings (Nos.)	244	1036	16	1052
	(iii) Non-interlocked Level Crossings (Nos.)	14	339	3	342
	(iv) Telephone at Level Crossings (Nos.)	10	1,725	23	1748
	(v) Train Actuated Warning System (Nos.)	0	10	16	26
	(a) At Unmanned Gates (Nos.)	0	9	11	20
	(b) At Manned Gates (Nos.)	0	1	5	6
11.	Total No. of Interlocked Stations (Nos.)	14	465	3	468
	(i) Non-Interlocked Stations	0	4	0	4
	(ii) Modified Non-Interlocked stations	0	14	-1	13
	(iii) Interlocked Stations	14	447	4	451
	(a) Standard-I	-9	80	-11	69
	(b) Standard-II	—	—	—	—
	(c) Standard-III	23	367	15	382
B.	Total No. of stations	14	465	3	468
	(i) Spl. class stns.	2	70	-1	69
	(ii) A class stns.	—	—	—	—
	(iii) B class stns.	13	378	4	382
	(iv) B class stns. without loop	0	6	0	6
	(v) C class stns.	-1	11	0	11
	(vi) D class stns.	0	0	0	0
12.	Route relay Interlocking (No. of Stations)	4	52	3	55
	(i) Stations with MACL Signals	4	52	3	55
	(a) Standard-I Interlocking	2	22	0	22
	(b) Standard-II Interlocking	—	—	—	—
	(c) Standard-III Interlocking	2	30	3	33
13.	(A) Panel Interlocking (END PANES) (No. of stations).	—	—	—	—
	(i) Stations with MACL Signals	—	—	—	—
	(a) Standard-I Interlocking	—	—	—	—
	(b) Standard-II Interlocking	—	—	—	—
	(c) Standard-III Interlocking	—	—	—	—
	(ii) Stations with Semaphore Signals	—	—	—	—
	(a) Standard-I Interlocking	—	—	—	—
	(b) Standard-II Interlocking	—	—	—	—
	(c) Standard-III Interlocking	—	—	—	—
	(B) Panel Interlocking (CENTRAL PANELS) (No. of stations).	6	289	16	305
	(i) Stations with MACL Signals	6	279	16	295
	(a) Standard-I Interlocking	0	13	1	14
	(b) Standard-II Interlocking	—	—	—	—
	(c) Standard-III Interlocking	6	266	15	261
	(ii) Stations with Semaphore Signals	0	10	0	10
	(a) Standard-I Interlocking	0	5	0	5
	(b) Standard-II Interlocking	—	—	—	—
	(c) Standard-III Interlocking	0	5	0	5
14.	Solid State interlocking (No. of stations)	3	22	11	33
15.	Lever Frames (No. of stations)	-3	53	-17	36
	(i) With MACL Signals	0	4	-2	2
	(a) Standard-I Interlocking	0	3	-1	2
	(b) Standard-II Interlocking	0	0	0	0
	(c) Standard-III Interlocking	0	1	-1	0
	(ii) Stations with Semaphore Signals (DW) (MAUQ) (No. of stations)	-3	22	-8	14
	(a) Standard-I Interlocking	-3	18	-6	12
	(b) Standard-II Interlocking	0	0	0	0
	(c) Standard-III Interlocking	0	4	-2	2
	(iii) Stations with Semaphore Signals (SW) (LQ) (No. of stations)	0	27	-7	20
	(a) Standard-I Interlocking	0	26	-7	19
	(b) Standard-II Interlocking	0	0	0	0
	(c) Standard-III Interlocking	0	1	0	1
16.	Auxiliary Warning System (Route Km)	50	50	0	50
	(Track Km.)	100	100	0	100

No.	Description of Items	Added during 2008-09	Total as on 31-3-2009	Added during 2009-10	Total as on 31-3-2010
17.	Second Distant (Nos.)				
	(i) Stations	-6	0	0	0
	(ii) LC Gates	-3	0	0	0
	(iii) Intermediate Block Signals	-13	0	0	0
18.	Track Circuited (No. of stations)				
	(i) FM to FM.	13	439	22	481
	(ii) FM to BSL (St)	13	432	22	454
	(iii) FM to BSL (T/O)	13	437	20	457
	(iv) FM to Home (St)	13	424	22	446
	(v) FM to Home (T/O)	13	434	0	206
	(vi) Loop line	13	432	20	452
	(vii) Calling on, approach track circuiting, etc.	13	312	22	334
19.	No. of Semaphore Signals Lit with Solar Power (Nos.)	-68	450	-154	296
20.	AFTC (Nos.)	182	1134	163	1297
21.	HFTC (Nos.)	0	0	0	0
22.	DIGITAL AXLE-COUNTERS (Nos.)				
	(i) Single Entry	—	—	—	—
	(a) Stations	11	48	1	49
	(b) Equipments	-2	96	23	119
	(ii) Multi Entry	—	—	—	—
	(a) Stations	—	—	—	—
	(b) Equipments	—	—	—	—
23.	ANALOG AXLE-COUNTERS (Nos.)				
	(i) Single Entry	3	36	0	36
	(a) Stations	20	72	10	82
	(b) Equipments	—	—	—	—
	(ii) Multi Entry	—	—	—	—
	(a) Stations	0	8	-4	4
	(b) Equipments	0	15	-5	10
24.	MICROTRAX (Nos.)	—	—	—	—
25.	LED LIT Semaphore Signals (Nos.)				
	(a) No. of Stations	-7	0	—	—
	(i) With Conventional Power	-4	0	—	—
	(ii) With Solar Power	-4	0	—	—
	(iii) With Primary Batteries	—	—	—	—
	(b) No. of Signals	-24	0	—	—
	(i) Conventional Power	—	—	—	—
	(ii) Solar Power	0	0	—	—
	(iii) With Primary Batteries	—	—	—	—
26.	Electrically lit semaphore signals (Nos.)				
	(a) No. of Stations	-2	34	0	34
	(i) With Conventional Power	—	—	—	—
	(ii) With Solar Power	-2	34	0	34
	(iii) With Primary Batteries	—	—	—	—
	(b) No. of Signals	-92	281	-68	213
	(i) With Conventional Power	0	0	0	0
	(ii) With Solar Power	-92	281	-68	213
	(iii) With Primary Batteries	—	—	—	—
27.	LED Lit MACL Signals (Nos.)				
	(a) Stations	9	135	7	142
	(b) Signals	67	1,756	84	1840
	(c) Aspects	483	4,804	2607	7411
28.	Triple pole Signal lamps (Nos.)				
	(a) Stations	-9	350	-61	289
	(b) Signals	-171	4,256	-1331	2925
	(c) Aspects	-1,210	11,091	-3270	7821
29.	Calling-On Signals (No. of Stns.)	16	377	2	379
30.	Data-loggers (Total)				
	(i) Stand Alone (Nos.)	10	62	3	65
	(ii) Networking Mode (section Nos.)	23	174	70	244
31.	Integrated Power Supply (No. of stns.)				
	(i) SCR Based (No. of stns.)	1	83	5	88
	(ii) SMPS Based (No. of stns.)	0	0	0	0
32.	Point Machines (Nos.)				
	(i) IRS Type	235	4,418	366	4784
	(ii) Siemens Type	0	0	0	0
	(iii) Clamp Type	0	0	0	0
	(iv) Other	-62	186	-95	91
33.	Batteries (Nos.)				
	(a) (i) 2V Cells 40 AH	0	1,240	1826	3066
	(ii) 2V Cells 80 AH	5541	29,590	-3110	26480
	(iii) 2V Cells 120 AH	1385	11,220	354	11574
	(iv) 2V Cells 200 AH	0	6,941	1752	8693
	(v) 2V Cells 400 AH	0	8,349	281	8630
	(b) 2V Cells 400 AH	0	1,554	-1493	61
34.	ZISTUS	2,85,972	26,85,321	99,9795	36,85,116

5. Reliability of Signalling Systems

Sl. No.	Signal Failures	Number of Failures (As per USF)			
		Previous		Current	
		Year 2008-09		Year 2009-10	
I. On Signal Account :—	Nos.	%	Nos.	%	
(a) In colour light Signalling area	4,212	54.79	4,145	58.05	
(b) In semaphore signalling area.	145	1.89	147	2.06	
Sub-Total	4,357	56.67	4,292	60.11	
II. On Account of others :—					
1. Operating Department	795	10.34	593	8.31	
2. Mechanical Department	25	0.33	13	0.18	
3. Engineering Department	1,019	13.25	986	13.81	
4. Electrical Department	135	1.76	135	1.89	
5. D. O. T.	424	5.52	165	2.31	
6. Miscreant	246	3.20	205	2.87	
7. Miscellaneous	687	8.94	751	10.52	
Sub-Total	3,331	43.33	2,848	39.89	
Total (I + II)	7,688	..	7,140	..	

The percentage is worked out based on the grand total number of signal and interlocking failures both on S. & T. account and other account 7688.

6. Matter relating to Signal and Tele-communication Workshops/Podanur

Introduction:

Signal and Telecommunication Workshop/Podanur were set up on 9.4.1958 to serve as a manufacturing - cum repair unit for Signal Equipments. Initial activities were confined to manufacture of Mechanical Signaling Items like Lever Frames, Levers and Accessories. Subsequently the repairing and overhauling of Electric Signal Reversers, Single Line Block Instruments and Electro Mechanical Equipments like Shelf Type Relays etc. were taken up. 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 a team of 6 S&T Officers comprising of CWM, Dy.CSTE, PE, DSTE/AC, AWM, APE, two Stores Officers Dy.CMM, AMM and one Accounts Officer, Sr.AFA and one Personnel Officer, WPO.

Development of Signalling Relays and Electronic Axle Counters.

The Shelf Type Relays were supplied by M/s. ITI and subsequently the technical know-how was transferred to this workshop. At present the Shelf Type Relays are not in the production line of this workshop. Later on Plug In Type Signaling Relays, Electronic Axle Counters etc were taken up for manufacture. In the beginning the components for Q Relays were being imported from M/s.Westing House Saxby Farmer Limited. Subsequently large scale production of Q Relays with complete indigenous components has helped in commissioning of modern signaling like Route Relay and Control Panel Interlocking in various Railways.

Production Items:

Presently the workshop is producing Signalling Relays, Control Panels, Double Line Block Instruments, Tokenless Block Instrument, Axle Counters and Point Machines. The workshop has an auxiliary unit at Perambur/Chennai.

The Perambur Unit overhauls FM/Diado Block Instruments, Shelf Type Relays etc. The Perambur Unit is also producing GRS Apparatus Cases, Track Lead Junction Box and Annunciator Boxes etc. and undertakes Battery Charging, wiring of TLB Instruments, Electronic Gate Bell and assembly of condenser units etc.

The combined annual out turn of S&T Workshop/ Podanur and S&T Workshop/PER is in the order of 62.24 Crores in the year 2009 – 2010 which is 49.07 % more than the previous 2008 – 09 year's out turn. The progressive growth in the out turn of the workshop can be seen from the figures given below.

Details of important items produced in the workshop from 2004 – 2005 to 2009 – 2010 is furnished below :

Sl. No.	Description	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
1.	Q Type Plug in Type Signalling Relays	50000	53010	56250	57200	55650	65000
2.	IRS Point machine	3124	3322	3149	2575	2480	2300
3.	Token Less Block Instrument (Push Button Type)	149	184	328	521	650	700
4.	Elec.Axle counter (Analog)	160	86	213	100	0	140
5.	Double Line Block Instrument	48	86	100	76	120	138
6.	Control panel	85	65	58	54	57	62
7.	Polarised Relay	229	300	300	149	269	189
8.	Relay rack	72	208	265	296	243	60
9.	GRS App cases	1561	1331	765	1791	970	1250

Details of Out turn, Staff strength and Out turn per employee are as follows :—

Year	Out turn in Crores of Rs.	Staff strength	Outturn per employee (in lakhs of Rs.)
2003-04	29.03	824	3.6
2004-05	31.50	789	3.9
2005-06	30.95	786	3.9
2006-07	34.36	865	3.9
2007-08	35.72	869	4.1
2008-09	41.75	848	4.9
2009-10	60.39	815	7.4

It can be seen that the out turn per employee for the year 2009 – 2010 is 51% more than that of the previous year 2008 – 2009 which is a significant improvement in the performance of the workshop.

INCENTIVE SCHEME:

The Incentive Scheme was introduced in the workshop on 1st August 1963 and progressively extended. An average of 646 staff has been covered under Incentive Scheme during the year 2009 – 2010.

QUALITY CONTROL:

- This workshop is an ISO 9001:2008 Certified Unit. The pride of the workshop lies in its capacity to produce sophisticated signaling products to high levels of quality. This workshop has got ISO 9001:2008 Certification for all sections of the workshop including Administrative Office.
- As per the Quality Policy, this workshop is committed to manufacture and supply safety signaling equipments of consistent quality by continuous improvement. As a result a lot of improvements were made and new Fixtures were introduced in the production of Relays, Token less Block Instrument, and Point Machines etc. These measures have reduced the rejection rate considerably in Relay production and improved the reliability of Relays being produced in the workshop.

Developmental activities:

The following new signalling items are taken up and the proto type is in progress :-

01. Digital Axle counter.
02. Podanur type Block Instrument to suit RE area.
03. E Type lock.
04. QTA2 Relays.
05. QBA1 Relays
06. QSPA1 Relays.
07. One No of Point Machine (220mm) stroke suitable for thick web switched manufactured and sent for Initial Type Approval Tests to RDSO/Lucknow.

In this connection it is also to be pointed out that this workshop is planning for developing the following signaling items in this financial year :-

1. Multiple Section Digital Axle Counter.
2. Integrated Power Supply System.
3. Light Emitting Diode Signals.
4. Cable Route Markers.
5. Integrated Passenger Display System.
6. TPWS and Solar Power Systems.
7. Solid State Interlocking.

Computerization in S&T workshop:

1. All the shops and sections of S&T Workshop and associated offices are provided with computers and these are inter-connected through Local Area Networking and in turn connected to the Railnet.

2. Daily position of production, material's stock position, etc. are monitored through Computers.

3. All the activities in the following areas are being done through computers only. Bills Section, Planning Section, Drawing Office, Personal Branch, ISO Section, Inspection Department, Budget Section, Stores Section, Marketing Section, Progress Section, and General Section.

Outsourcing of sub components:

To meet the growing demand of vital components being produced in this workshop, certain sub assemblies and components of Q Relays, Point Machine and Electronic Axle Counters are outsourced apart from in house manufacture. They are procured by Stores Department through Procurement Memo System.

BASIC TRAINING CENTRE:

A Basic Training Centre is functioning at S&T Workshop/ Podanur from 29.04.1993. Courses for Non-ITI Apprentice Fitters (Freshers) / EX. ITI are conducted in the Centre as per Apprentices Act.1961.

Recently a Selection Test for recruitment of Act Apprentices has been conducted on 21-3-2010 and the Selection procedure is under progress.

STAFF WELFARE:

The workshop is periodically inspected by Inspector of Factories.

As per the requirement of Factories Act,

1. A canteen is functioning in the workshop for the benefit of staff. In addition to this Hindi Library, Cycle Stand and Rest Rooms are also provided for staff welfare.

2. Railway Sub - Divisional Hospital and Homeopathic Dispensary are functioning nearby to the workshop.

3. Renovation of work of the Railway Institute /Podanur has been completed for the benefit of the employees to carry out various recreation activities. Modernization of the Administrative Office Block has also been completed in August 2009.

Zonal S&T Training Centre at Podanur:

The Zonal S&T Training Centre is under the Administrative control of CWM/PTJ. It is headed by Principal (Sr.Scale Officer). The faculty comprises of ASTE, 8 Instructors and 3 Demonstrators.

S&T / Training Centre/Podanur is functioning mainly for training of ESMs/MSMs/TCMs on Safety oriented courses. Staffs are being trained through e-learning with Video Conference connected to IRISSET/Secunderabad and other Training Institutes.

Various courses, viz, Initial, Refresher, Promotion and Equipment courses are conducted in the Training Centre for Southern Railway and South Western Railway. The details of courses conducted in the year from April' 2009 to March' 2010 are furnished below:

Sl. No.	Nature of Course	Seats allotted	Seats Utilized	% Utilization of seats
1	Initial	572	572	100
2	Foundation Course.	108	107	99
2	Refresher	246	142	58
3	Promotion	104	70	67
4	Equipment	821	328	40

S&T Workshop / PERAMBUR:

S&T / Workshop/PER is functioning under the control of CWM/PTJ. The out turn of S&T Workshop/PER in the year 2009 - 2010 is Rs.22, 40, 9331/-. It is proposed to increase the out-turn of S&T Workshop/PER in this Financial Year 2010 - 11 to around 4 to 5 Crores by entrusting additional qty of wiring of T.L.B Instruments, Assembly of GRS Apparatus Cases and assembly of various types of Q Relays etc. at S&T/WS/PER.

Details of Trainees who had Undergone Training During 2009-10 at S. & T.—Training School—Podanur

Sl. No.	Name of Courses	Duration	No. of Courses Conducted	No. of Staff Trained
I. Signal Courses—				
1	Refresher course for ESMs	3 weeks	6	116
2	Refresher course for MSMs	2 weeks	0	0
3	Foundation course for ESM	6 weeks	2	93
4	Pre-Promotion Course Tech to JE Sigg.	2 weeks	2	4
5	Initial course for promoted JEs Phase I	8 weeks	5	15
	Initial course for promoted JEs Phase II	5 weeks		
6	Induction to unskilled	2 weeks	0	0
7	App. ESMs Phase I	8 weeks	9	507
	App. ESMs Phase II	9 weeks		
	App. ESMs Phase III	8 weeks		
8	Automatic signal	1 week	0	0
9	Sig. in 25 KV Traction area	1 week	0	0
10	Point machine, track circuit and AFTC	1 week	1	5

Sl. No.	Name of Courses	Duration	No. of Courses Conducted	No. of Staff Trained
I. Signal Courses—				
11.	Single line and Double line token block Instrument.	1 week	1	6
12.	Single line tokenless block instrument-Pushbutton type.	1 week	0	0
13.	Single line tokenless block instrument-FM type.	1 week	1	11
14.	Panel Interlocking	2 weeks	0	0
15.	Route relay interlocking with Minor and Major yard.	2 weeks	1	8
16.	Universal and Digital Axle counter.	1 week	0	0
17.	Datalogger, Solid state interlocking, Integrated Power Supply.	1 week	1	2
18.	Development programme for Group - D staff.	2 days	1	6
Total			30	773

II. Telecommunication Courses—				
1	Induction to unskilled	2 weeks	0	0
2	Promotion course for Tech.to JE	2 weeks	3	17
3	Refresher course for TCMs	3 weeks	4	26
4	Foundation course for TCMs	6 weeks	2	14
5	Initial course for promoted Phase I / Tele	8 weeks	2	6
	Initial course for promoted Phase II / Tele	5 weeks		
6	Electronic Exchange	1 week	2	9
7	Train traffic control/RE/Non RE	1 week	3	12
8	PA Systems VHF, PRS, IVRS	1 week	10	30
9	Optical fibre communication	1 week	5	15
10	Splicing of OFC cable and quad cable jointing.	1 week	3	10
11	Data communication	1 week	5	23
12	PDH/SDH	1 week	3	8
13	Initial course for App. TCMs—Phase—I	8 weeks	5	41
	Initial course for App. TCMs—Phase—II	5 weeks		
14	Railnet, FOIS, MIS	1 week	2	12
15	Cable Jointing	1 week	0	0
16	Computer appreciation course for JE/SE & Clerks	2 weeks	0	0
	Computer appreciation course for TCMs/ESMs.	1 week	4	29
17	Yoga & Meditation	3 days	11	63
Total			64	315

III. Special Courses—				
1	Induction to unskilled	2 weeks	0	22
2	Block instrument (Special course)	1 week	5	19
3	Special course for Group D staff	2 weeks	0	0
4	Promotion course for Tech.to JE/S (Special Course)	3 weeks	2	11
5	Promotion course for Tech.to JE/S (Special Course)	2 weeks	1	1
6	Pre-Promotional course from Group C to Group B	3 weeks	3	37
7	App. JEs. (Special Course)	1 week	1	1
8	App. SEs. (Special Course)	2 weeks	1	2
Total			13	131
Grand Total			107	1,219

7. Staff

(i) Total strength of staff cadrewise separately for Signal and Tele-communication staff in respect of Inspectors and Artizans 2009–10.

Sl. No.	Category	Total Nos.
(a) Signalling—		
(1)	Signal Engineers ..	365
(2)	Electrical Signal Maintainers ..	1,534
(b) Tele-communication—		
(1)	Tele-commn. Engineers ..	248
(2)	Tele-commn. Maintainers ..	593
(3)	Wireless Instrument mechanics	138

(ii) Total No. of Signalling and Tele-communication staff recruited in respect of Inspectors and Artizans.

(a) Through Railway Recruitment Board		
(1)	SE/Sig. ..	20
(2)	JE/II/Sig. ..	54
(3)	SE/T ..	11
(4)	JE/T ..	9
(5)	Electrical Signal Maintainers/Gr. II	100
(6)	Electrical Signal Maintainers/Gr. III	150
(7)	Tele-communication Maintainers/Gr. III	—
(8)	Wireless Instrument Mechanics	—

(iii) Total No. of staff trained through Zonal Training Schools/Centres category wise during 2009–10.

Sl. No.	Name of the courses	No. of courses conducted	No. of staff trained
(1)	Refresher Course ..	10	142
(2)	Initial Course ..	16	551
(3)	Equipment Course ..	44	236
(4)	Foundation Course ..	4	107
(5)	Pre-promotional Courses		
	(a) ESMs/MSMs ..	8	33
	(b) JE to SE ..	0	0
	(c) Group 'C' to Group 'B' ..	3	37
	(d) Promoted JEs ..	7	21
(6)	Other courses - Computer course	16	29
	Other courses - Yoga course	11	63
Total		107	1,219

(iv) Signal and Tele-communication Units for 2009–10

Division	DISTUS
Chennai	3,53,678
Salem	1,27,388
Palakkad	1,06,630
Thiruvananthapuram	1,36,457
Tiruchchirappalli	1,46,150
Madurai	1,08,984
Total	9,79,287
ZISTUS	36,85,116

X STORES

1. Organisation of Stores Department

The Stores department is taking care of Material management activity and fully connected to arrange adequate quantity of materials, of right quality in time. To meet these 24 stores depots are functioning, spread over Southern Railway, at present to cater to the requirements of various Departments. The Stores department is arranging more than 8,256 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	Brief function	No. of items stocked	Issue value 2009-10 (Rs. in Crs.)	Staff strength Group C & D
1	General Stores Depot, Perambur (00).	Supply of materials required for Chennai Division, Major scrap depot of Southern Railway, Supply of informs throughout Southern Railway. And Supply of Books and Forms & Money valued items to Southern Railway, South Western Railway & ICF.	1,120	177.72	C-176 C-184
2	General Stores Depot, Golden Rock (24).	Supply of materials required for Trichy division.	574	3.68	C-69 C-22
3	Divisional Stores Depot, Erode (13).	Supply of materials required for Salem, & Palakkad divisions.	488	4.57	C-7 D-16
4	Divisional Stores Depot, Madurai (14).	Supply of materials required for Madurai division	434	3.91	C-29 D-10
5	Divisional Stores Depot, Quilon (20).	Supply of materials required for Trivandrum division.	435	5.93	C-10 D-8
6	Divisional Stores Depot, Palakkad (07).	Supply of materials required for Palakkad division.	364	1.44	C-3 D-5
7	C&W material maintenance Depot, Basin Bridge (25).	Supply of C&W materials required for Chennai division	147	4.19	C-10 D-4

2.2 Depot attached with Diesel/Electric Sheds:—

Sl. No.	Name of the Depot	Brief function	No. of items stocked	Issue value 2009-10 (₹ in Crs.)	Staff strength Group C & D
1	Diesel Stores Depot, Erode (08).	Supply of materials required for Diesel Shed, Erode	1,243	15.49	C-26 C-19
2	Diesel Stores Depot, GOC (18)	Supply of materials required for Diesel POH Shed, Goldenrock	1,606	30.63	C-25 D-0
3	Diesel Shed/Stores Depot (19).	Supply of materials required for "Diesel Shed", Goldenrock	1,188	9.72	C-27 D-19
4	Electric Loco Stores Depot, Arakkonam (21).	Supply of materials required for Electric Loco Shed, Arakkonam.	811	8.84	C-14 D-19
5	Electric Loco Stores Depot, Erode (22).	Supply of materials required for Electric Loco Shed, Erode.	679	6.39	C-11 D-11
6	Diesel Stores Depot, Ernakulam (23).	Supply of materials required for Diesel Loco Shed, Ernakulam.	1,014	6.54	C-15 D-7
7	Diesel Stores Depot, Tondiarpet (26).	Supply of materials required for Diesel Loco Shed, Tondiarpet	912	3.44	C-11 D-8

2.3 Depots attached with Workshop :

Sl. No.	Name of the Depot	Brief function	No. of items stocked	Issue value 2009-10 (₹ in Crs.)	Staff strength Group C & D
1	Loco Works, PER(01)	Supply of materials required for Loco Works , Perambur	1,775	47.52	C-72 C-59
2	MSD/GOC(02)	Supply of materials required for Mechanical Workshop, Goldenrock.	974	69.57	C-69 D-107
3	C&W Works, Perambur (28).	Supply of materials required for Carriage Works , Perambur	1,395	115.17	C-56 D-55
4	BS/EWS/AJJ (09).	Supply of materials required for Engineering Workshop, Arakkonam.	216	4.82	C-14 D-11

2.4 EMU Sheds:

Sl. No.	Name of the Depot	Brief function	No. of items stocked	Issue value 2009-10 (₹ in Crs.)	Staff strength Group C & D
1	TSD/Tambaram (10)	Supply of materials required for Traction Depot, Tambaram	622	5.29	C-15 D-13
2	TSD/Avadi (27)	Supply of materials required for Traction Depot, Avadi.	615	7.84	C-17 D-10

2.5 Depots attached to Manufacturing shops:

Sl. No.	Name of the Depot	Brief function	No. of items stocked	Issue value 2009-10 (₹ in Crs.)	Staff strength Group C & D
1	Signal stores, Depot. Podanur (11) Podanur.	Supply of materials required for Signal & Telecom. Workshop/	353	85.96	C-38 D-31
2	Wagon Production, Golden Rock (17).	Supply of materials required for Wagon Production Workshop/ Golden Rock.	31	0.14	C-35 D-107

2.6 Printing Press/Royapuram :

There are two printing presses in Southern Railway to meet the requirements of Books and Forms and Money-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 South Western Railway is also be undertaken by these printing presses.

2.7 Modernization of Printing Press

New machineries are proposed in this year (09-10) to be sanctioned in the M & P program of 2010-11 to the tune of Rs.16.69 crores

The details are,

2.7 Modernization of Printing Press/ COS/SR. Proposal No. 2218

(In lakhs of Rs.)

Sl.No.	Description	Qty	Cost	Allocation
1	Plate exposure Unit	2	9.28	DRF
2	Web offset Ptg. M/c with one unit printing tower perfect or type with numbering and sheeting facility 24" x 34".	3	91.80	DRF
3	Multipurpose Web offset Ptg. M/c with two units with numbering and sheeting and facility 17" x 24" with zig-zag folding.	2	156.64	DRF
4	Single colour sheet fed offset printing M/c 24" x 24"	4	104.80	DRF
5	Programmable Paper cutting M/c	4	66.48	DRF
6	Web offset Ptg. M/c with 4 colour printing facility with folding rewinding slitting facility in size 24" x 24"	1	134.00	DRF
7	4 Colour sheetfed offset printing M/c. 25" x 36"	1	125.42	DRF
Total		17	688.42	

2.8 Modernization of Printing Press/ COS/SR. Proposal No. 2219

(In lakhs of Rs.)

Sl.No	Description	Qty	Cost	Allocation
1	Offset printing M/c with multicolour and monocolour UTS / PRS tickets 4 units and back with perforation hole punching respooling facility.	1	960.80	CAP
2	DTP unit comprising of 16 computer terminals & UPS	1	7.40	CAP
3	Laser printer	1	2.13	CAP
4	Plate Processor	1	5.89	CAP
5	Single Clamp perfect binding M/c	1	5.67	CAP
Total		5	981.09	

2.9 Printing of Tickets , Book & Forms :

Tickets are printed at Ticket Printing Factory at TPJ and Books Forms and Money value items are printed at Printing Press at Royapuram.

Printing Position of Tickets

(In Crores of Nos.)

Year	Target	Actuals
2003-04	9.60	12.29
2004-05	9.60	10.51
2005-06	9.60	10.72
2006-07	9.60	09.65
2007-08	9.60	08.68
2008-09	9.00	08.73
2009-10	9.00	05.79

Note : —The introduction of UTS in various stations over Southern Railway cause low indent receipts for printing of card tickets. So the actual out-turn for the year 2009 – 10 is very less against the targeted out-turn.

About 27, 43,985 books of standard forms and money value books were also printed during 2009 – 2010.

3.0 ISO Certification :

Stores Branch Headquarters office along with 23 Depots & FA&CAO/S&W/PER are presently is certified as per the latest ISO certification standard of ISO 9001:2008 and Southern Railway is the first Zonal Railway to obtain ISO 2001-2000 certification for purchase office of stores headquarters along with associate finance in the year of 2002 itself and now it has been upgraded to ISO 9001-2008. This certification is valid upto 2011.

In Quality management system documents can be accessed in electronic media as read only copy. Back up of the same is taken in CD. Electronic media is utilized as per the procedure.

Office of COS and FA&CAO/S&W/PER, Southern Railway determine and provide the resources needed.

- to implement and maintain the quality management system and continually improve this effectiveness, and
- to enhance customer satisfaction by meeting customer requirements.

Resources needed are identified by officers, discussed in the management Review meetings and are provided by the Controller of Stores and FA&CAO/S&W for their respective sections/Depots.

4.0 MATERIAL MANAGEMENT INFORMATION SYSTEM (MMIS):

Materials Management Information System (MMIS) has been successfully implemented in Purchase office and all the 23 stocking depots of Southern Railway. Uniforms Module has been implemented in General Stores Depot, Perambur. Sales and Auction module has been implemented.

All the stores depots are connected with Purchase Office through RAILNET / ROLIN Network and data transfer is being done on a daily basis.

MMIS has also been extended at Purchase Offices of Podanur Workshop, Construction Egmore and Chennai, Madurai divisions.

5.0 e-procurement

Indian Railway e-procurement web address is www.ireps.gov.in. e-procurement was implemented in Southern Railway with effect from 14.9.08. More than 9000 vendors are registered with www.ireps.gov.in. Since 01-Feb-10, Southern Railway has switched over to 100 % e-tendering and all tenders are floated as electronic tenders only. This has resulted in ensuring complete transparency in tendering process.

Mandatory requirement for vendors to participate in e-tenders is possession of valid class III Digital signature (Individual name along with company name). After obtaining digital signature, vendors have to register themselves in the website and can participate in the tenders. Southern Railway conducts vendor training every working Friday for the benefits of vendors to ensure active and correct participation.

5.1 e-auction :

Southern Railway is one of the Zonal Railways selected by Railway Board for implementation of electronic auction under Phase-I. As part of the implementation, in the absence of Payment Gateway, This Railway was entrusted with the task of formulating a procedure for implementing e-auction with manual mode of payment which was successfully completed. Further the following essential activities were also completed:-

- 1.0 Instructions to purchasers for participation in e-auction
- 2.0 Special Conditions of Sale governing e-auction
- 3.0 Provision of adequate Digital Signature and Encryption Certification for auction conducting officers and staff.

More than 10 purchasers have registered in the portal after obtaining digital signature. This Railway has already conducted more than 8 trial auctions and 3 live pilot auctions involving the actual purchasers and results are encouraging.

5.2 Leveraging of Technology for Transparency :-

Materials Management Department of Southern Railway is regularly uploading the relevant information in our portal www.southernrailway.gov.in. The following contents are available on Southern Railway website – “www.southernrailway.gov.in” under “Stores Department” which is fulfilling the guidelines of Railway Board letter No. RBV 25/2006 dated 13-12-06.

- a) About stores department.
- b) Information pertaining to material management as per RTI Act.
- c) IT related subject like e-procurement.
- d) Auction program
 - (i) Downloadable auction catalogue
 - (ii) Sold details of previous auctions.
 - (iii) Year wise auction particulars.
- e) Advertised tenders (in case of manual tenders)
 - (i) Downloadable tender forms.
 - (ii) Terms and conditions.
 - (iii) Enclosure to Tenders if any

- f) For vendors
 - (i) Vendors registration form.
 - (ii) Trade group list
 - (iii) Status of vendor registration.
 - (iv) Approved vendor list of RDSO/ICF through links.
 - (v) List of registered firms along with registered Trade group.
- g) Purchase Orders valued above Rs 20 Lakhs. (As per CVC format)
- h) Telephone Directory (P & T and railway) of Stores departments.
- i) Full details Purchase order valued above Rs.5 lakhs to Rs.20 lakhs.

Intranet :- Southern Railway stores RAILNET address is 10.185.80.93. Site is revamped with lot of additional features like.

- a) Stock items search based on PL number, description
- b) Provision to generate Stock Position Slip.
- c) Non-stock search based on Indent number, Consignee number, Demand number, division and department
- d) Vendor information and performance.

PARA 6

a) STORES BALANCE (2009-10)

(Figs. in crores of ₹)

	Maintenance	Works	Total
(I) Opening Balance			
Phy. stock without Adjustment	88.11	0.44	88.55
Adjustment	-0.15	0	-0.15
Stores Suspense balance	40.94	0	40.94
Total as per approx accounts	128.90	0.44	129.34
(ii) Receipts during the year	1085.30	0.14	1085.44
(iii) Issues during the year	1091.17	0.22	1091.39
(iv) Closing Balance			
Phy. stock without Adjustment	123.04	0.35	123.39
Adjustment	-0.15	0	-0.15
Stores Suspense balance	-4.99	0	-4.99
Total as per approx accounts	117.90	0.35	118.25

PARA 7

7.1 INVENTORY PERFORMANCE 2009-10

(Figs. in crores of ₹)

1) Overall Balance without fuel as on 31-03-2010	-	19.20
2) Overall Balance with fuel as on 31-03-2010	-	10.28
3) Total Issues (without fuel)	-	708.52
4) Total Issues (with fuel)	-	1090.03
5) Turn Over Ratio (without fuel)	-	2.71 %
6) Turn Over Ratio (with fuel)	-	0.94 %

Strict control has been exercised on inventory of stores. During 2009-10 the Turnover Ratio of 2.71 % (i.e. Inventory divided by Issues, without fuel) was achieved against the target of 12.26 %.

8. ECONOMY EFFECTED IN STATIONERY AND OTHER MATERIALS

Stringent economy is enforced in the utilisation of stationery and other materials of general usage.

9. (a) Purchase -Value of Railway Equipment and Stores 2008-09
(Attested by Finance and includes Track Materials also)

(Figs. in Crores of ₹)

1. Total value of equipment & stores	— 2,890.88
2. Value of stores ordered through department of supply.	— 8.49
3. Value of stores ordered through Railway Board.	— 1,630.42
4. Value of stores ordered by the Railway Direct.	— 1,251.97

(b) Details of purchases of Stores (2009-10)

Every year about 5,253 stock orders and 1195 non-stock orders are released by the office of the COS and 13,708 orders are placed by divisions:—

(figures in crores of ₹)

1. Materials imported direct	— 18.35
2. Materials imported through agencies in India	— 0.22
3. Total imported direct and through agencies	— 18.57
4. Indigenous materials	— 2,872.31
5. Total imported and indigenous	— 2,890.88
6. Percentage of items (4) over (5)	— 99.36%

(c) Use of Khadi

Total value of Khadi articles during the year 2009-10 - ₹ 2.42 crores

(d) Purchase made from cottage and small scale industries:-

Value of purchases falling within the category of cottage and small scale industrial products during the year 2009-10 amounted to Rs.102.65 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. (2009-10)

(figure in Metric Tons)

Sl No.	Item	Quantity indented during the year	Stock at the beginning of the year	Receipts during the year	Issues during the year
1	Pig Iron .. .. .	..	..	..	..
2	Structural	620	68.30	935.282	419
3	Plates	2968	197.137	5521.079	2663
4	Sheets	6871	162.954	7209.609	522
5	Spring Steel	1100	Nil	911.000	911
6	Tool Alloy & Steel Plates .. .. .	..	..	..	..

11 DISPOSAL OF SCRAP - During 2009–10, Southern Railway generated a revenue of Rs.340.57 Crores, by sale of various Scrap items.

Category of Scrap	Balance as on 1-4-09		Receipts during the year		Scrap disposed off During the year		Balance as on 1-4-2010	
	Qty./MT	Value (Rs. in crores)	Qty./MT	Value (Rs. in crores)	Qty./MT	Value (Rs. in crores)	Qty./MT	Value (Rs. in crores)
I. Open Line								
a. Rails	903	2.29	26804	51.53	27438	53.30	269	0.52
b. Other Way	207	0.48	31133	51.87	31011	51.80	329	0.55
II. Construction								
a. Rails	112	0.30	19497	36.63	18374	34.60	1235	2.33
b. Other Way	2,125	5.08	35512	60.53	36994	64.49	643	1.12
III Other than P.Way scrap.	925	2.00	37866	73.61	38469	74.98	322	0.63
IV. Non-ferrous scrap	189	1.74	2977	23.24	3072	24.24	94	0.74

V Rolling Stock	Balance as on 1-4-09		Receipts during the year		Scrap disposed off During the year		Balance as on 1-4-2010	
	Qty./No.	Value (Rs. in crores)	Qty./No.	Value (Rs. in crores)	Qty./No.	Value (Rs. in crores)	Qty./No.	Value (Rs. in crores)
a. Wagon	38	1.16	807	18.02	775	17.59	70	1.59
b. Coaches	32	2.06	262	9.44	241	9.43	53	2.07
c. Locos	4	0.45	14	4.35	13	3.47	5	1.33

VI. Misc Scrap	Balance as on 1-4-09		Receipts during the year		Scrap disposed off During the year		Balance as on 1-4-2010	
	Qty./MT/No.	Value (Rs. in crores)	Qty./MT/No.	Value (Rs. in crores)	Qty./MT/No.	Value (Rs. in crores)	Qty./MT/No.	Value (Rs. in crores)
Misc Scrap(*)	170	0.26	3836	4.38	3893	4.51	113	0.13
Nos.	11	0.01	943	2.51	819	2.16	135	0.36

(*) – Misc Scrap includes T&P items, Machineries, paper, glass, etc – some of which is quantified in Nos. and some others weighed in MTs.

Shop Issues

Description	Qty. / MTs	Value (Rupees in crores)
Ferrous Scrap	1,548	3.41
Non-ferrous Scrap	373	4.27

12. SUPPLY OF UNIFORMS

The Clothing Factory at Perambur caters to the uniform requirements of entire Southern Railway. Uniforms are stitched and supplied for summer and winter seasons. While cutting is done at the Clothing Factory, stitching of Cotton/T.C. uniforms, protective garments is carried out at Handicraft Centers situated throughout Southern Railway. Private contractors also stitch Terry Cotton/ Woolen uniforms.

All railways employees who interact with Public during the course of their duty are treated as Public Image Category and they are supplied with cut piece cloth and paid stitching charges as prescribed for the Public Image Category from time-to-time instead of supply of stitched uniforms.

The position of compliance of uniforms during 2009–10 is given below:

Supply position of uniforms

(Figures in Nos.)

Season	No. of Garments Indented for by the Dept.	No. of Garments actually supplied	No. of Garments to be supplied	Percentage of Compliance
Summer 2009 Cotton and TC	56,965	56,965	56,965	100%
Summer 2010 Cotton and TC	219915	1,59,010	60,905	72.31%

Performance of Clothing Factory

(Figures in Nos.)

a. Opening Balance of Cut Garments As on 1–4–2009	:	458
No. of garments cut during 2009–2010	:	1,196
b. Total no. of cut garments dispatched for stitching	:	1,654
Closing Balance of cut garments as on 31–3–2009.	:	Nil
c. Total no. of cut garments dispatched for stitching		
(i) to handicraft center under DPOs	:	1,458
(ii) to Private contractors	:	196
d. Total No. of stitched garments received back from		
(i) Handicraft centers	:	25,838
(ii) Private contractors	:	Nil
e. Total No. of stitched garments dispatched to different indentors.	:	25,838
f. Total No. of Readymade garments issued during this year	:	59,882
PIC – Piece length Cloth.	:	63,993
Light Blue & Navy Blue Sarees, other Readymade		
Items like Ties, Jersey, Bedroll items, etc.	:	59,882
g. ICF Cutting Work (in numbers)	:	Nil

13. RECEIPT AND INSPECTION OF STORES

(a) Statistics of working of Receipts and Inspection Department of this Railway is as under :—

	2007–08	2008–09	2009–10
1. No. of Staff for clerical and supervision work (Nos.)	91	93	108
2. Yearly Expenditure of staff (Rs. in Lakhs.)	202.55	430.54	495.04
3. Value of stores inspected/received (Rs. in Lakhs)	36137.24	60999.33	53,973.12
4. Cost of receipts and inspection per Rs 100 of value of stores.	0.38	0.71	0.92
5. Receipt notes granted per clerk per month ..	40	40	40

(b) Stores Depot

(1) Accounts and departmental Stock Verification.

	2007-08	2008-09	2009-10
1. Percentage of items verified	98.88	99.21	99.57
with no discrepancy			
with discrepancies			
(a) Upto limit of Rs.50/-	0.26	0.25	0.19
(b) Upto limit of Rs.1000/-	0.38	0.26	0.09
(c) Above the limit of Rs.1000/-	0.48	0.28	0.15

(2) Loss and gain brought to light as a result of departmental and Accounts verification: (Stores Depots only)

Year	Loss	Gain	Net Gain	(Rs. in Lakhs)
				Net Loss
2005-06	2.49	2.98	0.49	—
2006-07	1.66	0.78	—	0.88
2007-08	0.02	2.80	2.80	0.02
2008-09	1.61	2.63	1.02	
2009-10	4.94	5.54	0.36	4.21

(3) Unit cost of Issues.

	2007-08	2008-09	2000-10
1. Value of stores issued during the year from the depots (Rs. in lakhs).	56009.11	65072.12	70544.5
2. Pay and Allowances of depot staff (Rs. in lakhs).	1016.23	1027.27	1238.47
3. Cost of making issues worth Rs. 100/-	1.84	1.58	1.75

(4) Availability of items.

	(Figs. as on 31-3-2010)				
1. Total No. of stocked	7149
2. No. of items available	7028
3. Percentage	98%

(5) Overstock and surplus stores

Details	As on 31-3-2009	(Value in lakh of Rs.)
		As on 31-3-2010
1. Surplus	1.33	0.9
2. Over Stock	80.35	52.33

14. Printing Press

(a) Production:- The total out-turn of Press/RPM of the year was as under :—

Items	Value of Books & Forms printing (in Rs.)	Value of Card tickets printing (in Rs.)	Total
i) Work done for S.Rly.	9,68,95,675	1,84,66,133	11,53,61,808
ii) Work done for others	77,67,787	1,63,659	79,31,446
Total	10,46,63,462	1,86,29,792	12,32,93,254

(b) Paper consumption for Press during the year 2009-10

For general stationery Printing Forms and Books, and for stations and ticket offices, Boards – 205 MTs.

(c) 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		
2005-2006	58,11,654	10,55,50,500
2006-2007	56,09,970	9,52,50,000
2007-2008	57,18,841	8,66,84,000
2008-2009	20,08,626	8,29,42,250
2009-2010	23,73,255	5,75,84,300

Particulars	Books, Forms & Money value Items (In terms of Books)	Card Tickets printed in Numbers
ii) Work done for others S. Rly.		
2005–2006	1,34,215	16,49,500
2006–2007	1,81,321	12,50,000
2007–2008	2,18,545	1,20,111
2008–2009	1,33,737	7,32,750
2009–2010	1,58,740	5,10,350

15. Shipping and Imports :

During 2009-10, 13 imported consignments have been received , the details of which are as under:-

BG Coaching Axle - 130 Nos

	Quantity	Weight MT	Value in Crore
1. BOX 'N' wagon Axle -	9,540 Nos.	5243.720	56.06
2. Solid forged wheels for EMU -	1,335 Nos.	560.700	1.84
3. Axle Box Guide link Assy. Style I & II -	48 Nos	1.676	0.37
4. A C Loco Wheels -	90 Nos.	50.620	2.01
5. (GM) Loco Wheels -	852 Nos	443.040	6.44
6. Total weight of the Cargo -	6,484.060 Mts.		
7. Landed cost of the Cargo -	Rs. 71.79 Crores		
(Assessable Value Rs.56.42 Crores and Customs duty Rs.15.37 Crs.)			
6.Total No. of 20 feet Containers			
De-stuffed -	370 containers		

16. Right to Information Act .

43 — Nos. of cases where dealt during 2009–10 for which required information was given and there are no cases pending.



XI. MEDICAL

Brief of Medical Department

Medical Department of this Railway provides comprehensive health service, both preventive and curative to Railway employees and their families/dependents and retired employees including the employees of Integral Coach Factory, Chennai. Total number of employees are 1,14,735 and 54,226 retired employees.

The specialty departments of Cardiology and Cardio-Vascular Surgery in Perambur Hospital not only caters to the needs of Southern Railway, but also serves the entire Indian Railways. The total bed strength on this Railway is 1,236. 42 Health Units are functioning at different stations on this Railway and there are 13 lock-up dispensaries. A total of 218 doctors, 21 Group B Officers consisting of ANO, AHO, AHEO, APO, APHO and about 3843 para medical staff consisting of 514 Nursing Personnel and other para medical categories are working in this Railway.

In Southern Railway, besides the Perambur Headquarters Hospital with 505 beds there are :—

5 Divisional Hospitals, viz.	Arakkonam- with 50 beds Golden Rock- with 197 beds Madurai-with 115 beds Palghat- with 106 beds Trivandrum –with 50 beds
4 Sub-Divisional Hospitals, viz.	Villupuram –with 26 beds Erode- with 30 beds Podanur- with 28 beds Shoranur- with 24 beds
1 Workshop Hospital	Integral Coach Factory with 101 beds

Lock up Dispensaries, viz: Kadaperi, Kumbakonam, Thiruthuraipoondi, Needamangalam, Ariyalur, Athur, Chinnasalem, Chidambaram, Nagappattinam, Mannaparai, Milavittan, Pattukottai, Rameswaram.

Spart at MAS and ARME Scale I and Scale II in the following locations :—

Division	ARME Scale I		ARME Scale II		
	Broad Gauge	Metre Gauge	Broad Gauge	Metre Gauge	Narrow Gauge
Chennai	Jolarpettai, Chennai		Arakkonam .. Katpadi Sullurpet		..
Golden Rock	Tiruchchirappalli Villupuram Tiruvarur		Virudhachalam.. Mayavaram Tiruvannamalai		
Madurai	Madurai .. Sengottai ..		Dindugul Karaikudi Manamadurai Mandapam Virudhunagar Tirunelveli Tuticorin Palani		
Palghat	Mangalore Shoranur		Cannanore Calicut Palghat	Pollachi	
Trivan- drum	Emakulam Quilon		Nagercoil, Quilon Kottayam Alleppey Trichur		
Salem	Erode		Podanur Salem, Karur		Coonoor

42 Health Units, viz.

Chennai Divn. : 11- Jolarpettai, Katpadi, Haffieldpet, Avadi, New Genl. Office, Chennai Egmore, Tondiarpet, Royapuram, Tambaram, Chenglepet, Sullurpet.

Tiruchchirappalli Divn. : 8- Tiruchchirappalli Junction, Trichy Fort, Srirangam, Virudhachalam, Tiruvannamalai, Mayiladuthurai, Tiruvarur, Tanjore.

Madurai Divn. : 9- Dindugul, Mandapam, Palani, Karaikudi, Sengottai, Tuticorin, Manamadurai, Tirunelveli, Virudhunagar,

Palghat Divn. : 4- Mangalore, Cannanore, Calicut, Pollachi

Trivandrum Divn. : 6- Ernakulam, Quilon, Kottayam, Nagercoil, Trichur, Alleppey.

Salem Divn. : 4- Salem, Mettupalayam, Karur, Coonoor.

Statistics

Man Power

	Staff Strength	On Roll	Vacancies
Doctors	218	185	33 (filled with FTCD)
Nurses	514	479	35
Other paramedical	3,843		

From: April-2009 to March-2010

Health Care :

Total OPD Nos.	..	23,39,011
Total IPD Nos.	..	41,919
Major Surgeries	..	4,991
Special Surgeries	..	1,572
Minor Surgeries	..	4,403

Industrial Health :

Total No. of RMCs Issued	..	1,18,386
Total No. of Man- days loss	..	15,61,019
Man-day's lost due to IOD/ HOD	..	77,857

Total posts created	HMIs	..	44
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System Improvement

Perambur

- I. Patients feedback system introduced at PER
- II. Streamlining of the procurement process by revision of SOP.

Perambur Hospital

Railway Hospital, Perambur is a 505-bedded hospital. This is a referral hospital not only to the Southern Railway, but also to the whole Indian Railways for Cardiology and 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. At present we have computers installed in various units of the hospital with a central machine with Magnum Module. Computerisation is done in several areas of work of the hospital and are used not only for clinical and research work, but also for inventory control, office automation, drug and equipment stores and other auxiliary units.

1. (a) Cardiac Unit of RH/PER

The department of Cardiology and Cardiac Surgery is an all India Referral Centre for all types of Heart diseases. In the year 2009-10, 586 Open Heart Surgeries and 29 closed Heart Surgeries (this includes various surgical procedures for coronary artery diseases, congenital heart disease and rheumatic heart disease) were done. About 521 PTMC, PTCA, PVP, PTR and 1,726 Cardiac Catheterisation and Coronary Angiography were done 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. About 2000 cases are done every year.

We have established a " **Link Programme** " with the Institute of Child Health, London for advancement in the various techniques of Paediatric Cardiology and Cardiac Surgery.

(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. On an average 4,655 haemodialysis, 368 peritoneal dialysis, 36 renal biopsies, 122 transplants were performed during the year. Facilities for continuous ambulatory peritoneal dialysis (CAPD) also exists.

3. Department of General Medicine

This department has a total of 55 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. 658 endoscopies were performed during the year.

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.

General Surgery has the latest sophisticated equipments like contact laser, fibre-optic endoscopes and laparoscopic surgical equipments backed up by efficient team of qualified surgical expertise and all types of surgeries are carried out. This department is recognised by National Board Examinations for Post Graduate degree in General Surgery

5. Department of Obstetrics & Gynaecology

The Obstetrics & Gynaecology department has got 52 beds in its wards. The deliveries conducted per year is about 1000. This department is well-equipped and offers good quality treatment to the patients.

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.

7. Department of Psychiatry

A full-fledged department of Psychiatry is functioning in this hospital.

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.

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 1,572 cataract operations were performed during 2009-10.

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 Railways Hospital, 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 Divisional Hospital of Southern Railway.

TELEOPHTHALMOLOGY is available between Railway Hospital, Perambur and Sankara Nethralaya. Regular case discussions are being held.

14. Public Health

Public health wing is looking after the sanitation in colonies and important stations and also in the supply of safe drinking water. Control and prevention of communicable diseases is a major work of this wing. Implementation of PFA Act is ensured by constantly monitoring the quality of foodstuffs, which are being supplied through IRCTC.

Food samples are regularly collected and sent for analysis and action initiated. Details of Food samples collected during 2009-10 are given below :—

No. of food samples collected	..	366
No. found adulterated	..	24
No. of cases filed in the court under PFA Act-1954.	..	12 cases
Amount realized through fines imposed on offenders under PFA Act-Rs. 52,000.		

Quality of water supplied in 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 2009-10 are given below :—

1. For Bacteriological analysis	..	74.00%
2. For Residual Chlorine	..	65.50%

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.

To improve efficiency of health services and to ensure customer satisfaction, a rolling shield called "CMD's Rolling shield for best Health Unit" is given to the best maintained Health Unit every year. This year HU/CGL/MAS division has been adjusted as the Best Health Unit and the shield was presented by GM during the Railway Week Celebrations. In order to improve food hygiene and catering services, "catering service improvement committees" have been formed which is functioning in all divisions. This committee imparts Health Education on food hygiene to all cooks and vendors. To introduce a healthy competition among the caterers, Rolling shields have been awarded every year for the catering units at divisional level and at Head Quarters level.

Sanitation and Cleanliness :

Cleanliness at stations under medical department is monitored on daily basis by evaluating the standard of cleanliness. Southern Railway has 58 A1, A, & B category stations among which 49 stations have been provided with mechanized cleaning. Among this 46 stations were outsourced for comprehensive cleaning which included station sanitation, rag picking & garbage disposal. 44 posts of Health Inspector were created and each division has been provided with one Assistant Health Officer to improve the supervision of cleanliness. More and more modern equipments and machineries were introduced to improve and maintain the standard of sanitation at high order.

As per MR's directives on 'cleanliness and passenger amenities' special cleanliness drives were conducted at various stations. Awareness campaigns were organized to create a visual impact and awareness among the traveling public in different divisions, involving the members of SJAB, Scouts & Guides and other voluntary organizations.

In order to assess the standard of cleanliness 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 and effective supervisions

AIDS Control Project :

All the NACO guidelines are implemented in Southern Railway through the Southern Railway AIDS Control Project, which is executed by a committee in which CMD is the Chairman, Dy. CMD/H&FW is the Nodal Officer and Dy. FA&CAO(G) is a member.

Various awareness programmes, cultural shows, dramas, etc are routinely conducted to create awareness about HIV/AIDS. Our current pool size of HIV/AIDS is 355, which includes 266 asymptomatic cases and 89 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 Centres (ICTC) in Southern Railway. Anti Retroviral Treatment has also been started, for the needy people living with HIV/AIDS.

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 throughout Southern Railway.

During the reporting year 2009-2010, 679 sterilizations have been conducted through out Southern Railway. Regular Laparoscopic sterilization camps were also conducted. This year Six Laparoscopic camps were conducted. In order to popularize Male sterilization, the month of November was observed as "Vasectomy Month" during this year 19 vasectomy operations were performed 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 ICF/FWC.

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.

Pulse Polio Immunisation :

Pulse Polio Immunisation was given to 28,211 children below 5 years during campaign in January and February – 2010.

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.

St. John's Ambulance Brigade, No.20, S.Rly.Dist :

20,Southern Railway District of SJAB is functioning effectively and First Aid Training to staff are imparted regularly.

Chennai 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, lockup dispensary is functioning at Kadaperi ARME scale I is available at Jolarpettai and Chennai Central and scale II at Katpadi, Arakonam and Sullurpet. At Egmore, a part time dental clinic is functioning with sophisticated Dental equipment. X-ray facilities are available at Egmore and Arakonam with 300 MA and 50 MA Xray machines. The family welfare centre for Madras Division is functioning at Egmore, with Sr.DMO/FWC/MS. This FWC takes all steps in connection with MCH programme, small family norm and immunisation. All Health oriented programmes are being conducted by this FWC.

Golden Rock Hospital : There is a Divisional Hospital for Tiruchchirappalli Division at Golden Rock with bed strength of 197 and a Sub- Divisional Hospital is available at Villupuram with bed strength 26. Railway Hospital, Goldenrock caters to Tiruchchirappalli division with the help of 8 health units (at Mayiladuthurai, Srirangam, Trichy Fort, Trichy Junction, Tiruvarur, Vridhachalam, Tanjore and

Thiruvannamalai). There are 32 Medical Officers posted in TPJ Division. In the Divisional Hospital all routine and specialised work is being done in all the fields. The Divisional Hospital has been recognised by MCI for Senior House surgeonship and there are 3 senior House Surgeons available.

Madurai Division : There is a divisional hospital at Madurai with 115 beds and there are 10 Health units at Dindigul, Karaikudi, Manamadurai, Tirunelveli, Pollachi, Virudhunagar, Palani, Sengottai, Tuticorin and Mandapam. 23 Medical Officers have been posted in Madurai division. The hospital is looking after the entire division and all the routine and specialised works are being done in the hospital. This hospital is recognised by MCI for Senior House Surgeonship and there are three senior House surgeons..

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 ICCU 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, Cannanore, Pollachi, and Mangalore.

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.

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.

The health unit at Alleppey started functioning on 15.9.99. Apart from the above a Medical out post is functioning at Irupanam which is attended to by Sr.DMO/Ernakulam on a programmed basis. A Medical out post is also functioning at Thycaud- 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 Medical Superintendent. The Hospital at TVC, consists of a sanctioned strength of 9 doctors, comprising specialists in Paediatrics, General Surgery and Clinical Pathology.

A dental clinic is also functioning at RH/TVC with a full time DDS.

There are 44 general beds and 6 maternity beds with facilities for X-ray, ECG & Lab. Investigations. A physiotherapy unit with all major equipments is also functioning. On 17.09.2008 an Intensive Care Unit with 4 Beds were added.

ICF/PER : ICF Hospital is a 101 bedded hospital. Workload at this hospital is heavy and most of the retired Railway employees are also taking treatment here. At present there are 19 doctors. Most of specialised works are done in this hospital. There are two First Aid posts attached to ICF Hospital, one at ICF/Furnishing and the other at ICF/Shell Workshop.

2. Statistics for the year 2008-2009 and 2009-10

Sl. No.	Particulars	2008-09	2009-10
1	Total No. of staff	1,25,431	1,07,615
2	Cost of Medical services	95,70,12,000	1,18,27,08,000
3	Cost of Medical services per head per annum.	8,509.64	10,990.13
4	Cost of Health service in thousands of rupees.	20,73,50,000	23,88,36,000
5	Cost of Health service per head per annum.	1,843.75	2,219.35
6	(a) Cost of drugs in rupees	30,34,80,000	30,38,22,000
	(b) Total amount of reimbursement in rupees	..	..
7	Total cost of Medical & Health service per annum per head in Rs.	10,353.37	13,209.48
8	No. of Rly employees & their families treated—New cases.	9,17,339	10,09,907.29
9	No. of females & children treated – New cases.	4,75,301	5,22,831
10	Daily average – out door attendance of Rly. employees & their families at Rly. Hospital/ health units/ old & new cases.	3,301	3609
11	No. of Hospital	12	12
12	No. of Health Units		
	A With beds	41	41
	B Without beds	1	1
13	No. of Railway population per Railway Hospital/ health unit	11,613	9964
14	No. of chest clinics	7	7
15	No. of dental clinics	6	6
16	No. of maternity clinics	26	26
17	No. of beds		
	A General	963	963
	B TB	57	57
	C Maternity	126	126
	D Isolated	5	5
	E ICCU	81	85
	Total	1,232	1236
18	Health units		
	A Emergency beds	52	52
	B Maternity beds	18	18
19	Total No. of beds in hospitals/ health units, chest clinics etc	1,302	1302
20	No. of beds per 1000 Rly employees including TB beds	10.10	10.10
21	No. of beds per 1000 Rly employees excluding TB beds	9.63	9.63

Sl. No.	Particulars	2008-09	2009-10
22	No. of TB beds reserved in Railway Institutions.	0	0
23	No. of Doctors		
	A. Chief Medical Director	1	1
	B Dy. CMD/ T&A	1	1
	C Dy. CMD/ H & FW	1	1
	D Chief Health Director	1	1
	E Chief Medical Superintendent	6	7
	F Medical Superintendent/Sr. DMOs	195	202
	G Medical Directors	1	1
	H Chief Surgeon	1	1
	I Chief Staff Surgeon	2	3
	J Chief Dy. Medical Superintendent	0	0
	K Chief Pediatrician	1	0
	L Chief Gynecologist	1	0
	Total	213	218
24	No. of Rly. Population per Rly. Doctor	2806	2829
25	No. of mobile vans	0	0
26	Accident relief medical equipment		
	A ARME scale/I	13	13
	B ARME scale/II	28	28
27	No. of operations performed		
	A Major	4777	4991
	B Minor	3869	4403
	C Trivial	5718	6156
28	Family welfare activities		
	A Centres	4	4
	B Sub- Centres	2	2
29	No. of sterilization operation performed		
	A Tubectomy	649	660
	B Vasectomy	38	19
	Total	687	679
30	No. of I.U.D. inserted	167	153
31	No. of conventional contraceptives distributed		
	A Condom users	2741	2593
	B Diaphragm	0	0
	C Jelly cream tubes	0	0
	D Foam tablets	0	0
32	Oral pills distributed		
	A No. of oral pills	1146	1107
	B No. of users of oral pills	88	85
33	Recanalisation facilities		
	A No. of Railway Hospital doing recanalisation	1	1
	B No. of cases done	0	0

XII. STAFF

1. General

During the year under review cordial and harmonious relations were maintained in this Railway.

2. Number and cost of Staff for 2009–2010 compared with 2008–2009

Group of staff	Number of staff					
	Open line		Construction		Total	
	2009–10	2008–09	2009–10	2008–09	2009–10	2008–09
Group 'A'	467	471	82	104	549	575
Group 'B'	468	430	91	63	559	493
Group 'C'	75,937	84,590	1,314	1,346	77,251	85,936
Group 'D'	20,546	15,050	424	418	20,970	15,468
Total	97,546	1,00,541	1,911	1,931	99,329	1,02,472
Cost of staff (₹ in lakhs)						
	2009–2010		2008–2009			
Group 'A'	..	..	..	13,561.07	6,198.63	
Group 'B'	..	..	..	7,387.84	5,450.11	
Group 'C'	..	..	..	4,00,345.98	3,72,250.14	
Group 'D'	..	..	..	84,084.77	53,528.28	
Total	..	..	..	5,05,379.66	4,37,427.16	

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 2009–2010			No. actually appointed in 2009–2010		
	SC	ST	OBC	SC	ST	OBC
Group 'C'	907	406	1716	668	283	1288
Group 'D'	825	376	1334	710	290	1037

(b) Promotion of S. C. /S. T. candidates in Group 'C' & 'D' Services : 2009–2010

(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'	301	189	208	68
(ii) Within Group 'D'	17	9	4	3

(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'	856	643	803	370
(ii) Within Group 'D'	56	30	73	22

(c) Short fall in S.C./S.T./O.B.C.as on 31st March 2009

Recruitment Categories	Scheduled Castes	Scheduled Tribes	Other Backward classes
Group 'C'	205	332	266
Group 'D'	90	146	197

(d) Short fall in S.C./S.T. as on 31st March 2010

Promotional Categories	Scheduled Castes	Scheduled Tribes
Group 'C'	688	1250
Group 'D'	140	340

(e) Statement showing the Number of employees belonging to Scheduled Castes and Scheduled Tribes as on 31st March 2009 —

Group	Total No. of employees as on	Scheduled Castes	Percentage	Scheduled Tribes	Percentage
Group 'A'	554	94	16.97	31	5.6
Group 'B'	498	88	17.67	27	5.4
Group 'C'	72538	12880	17.75	4791	6.6
Group 'D'	24188	4552	18.81	1735	7.17
(excluding Safaiwala).					
Group 'D'	1837	872	47.46	93	5.6
(Including Safaiwala)					

4. Recruitment and Training

(a) Recruitment :

(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 2009–2010, are as follows :—

Department	Group 'A'	Group 'B' (Promotion)
Personnel ..	4	7
General Management ..	..	4
Electrical ..	10	19
Transportation (Traffic & Comml.)	1	6
Engineering ..	11	6
Stores ..	2	1
S & T ..	2	16
Medical ..	3	..
Mechanical ..	..	..
ACMT ..	..	..

(ii) Number of Group 'B' Officers absorbed in Group 'A' during the year 2009–2010.

IRPS—3, IRSEE—7, IRTS—11, IRSE—5, IRSS—7, IRSSE—0, IRSME—3

(b) Training :

(a) (i) Group 'A' and 'B' services.

Staff strength on Southern Railway Department wise as on 31–3–2010.

Sl. No.	Department	Group 'A'	Group 'B'
1.	General Management	27	43
2.	Personnel	20	44
3.	Accounts	36	31
4.	Engineering	85	147
5.	Transportation & Commercial	44	65
6.	Mechanical	40	44
7.	Stores	26	30
8.	Electrical	39	66
9.	Signal & Telecommunication	50	67
10.	Medical	195	16
11.	Security	23	—
12.	Railway Schools	—	11
13.	Press	—	—
14.	ACMT	1	5
	Total	586	558

(ii) The number of officers who attended the training courses during the year 2009–10 are as follows :—

Training Institutions	Mandatory Course
RSC–Vadodara	75
IRICEN–Pune	74
IRISET–Secunderabad	14
IRIMEE–Jamalpur	16
IRIEEN–Nasik Road	48

(iii) Statement for the Financial year ending 31st March 2010 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'	594	2795	13692	585	7756	6712
	Group 'B'	518	2776	10931	512	1860	5807
I Class	Group 'C'	29072	57259	76798	18543	35719	37856
II Class	Group 'C'	46559	129751	190480	34583	70457	72501
II Class	Group 'D'	40158	190489	167411	25497	25653	88791

(c) (i) Appointments in Group 'C' and Group 'D' categories for the year 2009-10.

	Group 'C'	No. indented	No. supplied
1. Technical	..	1941	..
2. Non-Technical	..	484	..
3. NTPC	..	176	..

(ii) Recruitment of non-gazetted staff for the year 2008-09 and 2009-10 are as under :—

Year	Group 'C'	Group 'D'	Total
2008-2009	1232	Nil	1232
2009-2010	..	..	..

(iii) Number of persons appointed against physically handicapped quota and on Compassionate grounds for the year 2009-10.

	Group 'C'	Group 'D'
a) No. of Physically Handicapped persons appointed	Nil	Nil(*)
b) No. of persons appointed on Compassionate grounds	203	457

* Note.—Indents were placed with RRBs and RRC for backlog and current vacancies against Physically Handicapped quota.

(d) Training - Group 'C' Staff :

Sl. Nos.	Branch	Initial	Refresher	Promotional	Special	Total
1.	Mechanical	3496	1402	364	7238	12500
2.	Electrical	724	1302	352	679	3057
3.	Engineering	1598	3109	112	954	5773
4.	S&T	264	339	162	539	1304
5.	Traffic & Comml.	2197	5428	956	5224	13805
6.	Personnel	—	—	—	—	—
Total		8279	11580	1946	14634	36439

5. Relations with Labour

Industrial relations play a vital role in any industry for improving productivity. Indian Railway being one of the major industries pay much attention for maintaining cordial industrial relation. There are 2 recognised federations at the apex level viz. NFIR & AIRF. Southern Railway Mazdoor Union (a constituent of AIRF) and Dakshin Railway Mazdoor Union (affiliated to CITU) are two recognised Unions at Zonal level.

There are Permanent Negotiating Machinery (PNM) functioning at three tiers viz. Railway Board, Zonal level and Divisional/Extra Divisional level. The PNM meetings are conducted regularly and the problems are sorted out across the table after mutual consultations with each other to the best satisfaction of the both the Organised Labour and the Administration. Besides PNM meetings, Joint /Special meetings are held to sort out the various day to day issues. Apart from this, Organised Labour are having their members in Central/Division Staff Benefit Committee, Housing Committee, Canteen Committee, Hospital Visiting Committee, etc.

6. Implementation of Labour Laws

Provisions of all Labour Laws pertaining to Railways viz., Hours of Work and period of Rest Rules 2005, Payment of Wages Act, Trade Union Act, Workmen Compensation Act, Industrial Disputes Act & Minimum Wages Act are being implemented to the satisfactory level duly taking into account the deficiencies pointed out by the various agencies like Regional Labour Commissioner, Assistant Labour Commissioner and Labour Enforcement Officers / Inspectors concerned.

7. Labour Welfare

The Welfare Organization consisting of Staff & Welfare Inspectors headed by the Sr. Divisional Personnel Officers, Divisional Personnel Officers, Workshop Personnel Officers and Senior Personnel Officers maintain regular contacts with employees and render assistance to staff in the redressal of their grievances.

Staff information Centres at Zonal Headquarters, all Divisional Headquarters and at the Major Stations and Sheds provide information and assistance to staff on all personnel and welfare matters. These centres have been found to be of immense help to the staff. Staff & Welfare inspectors have also been nominated exclusively to attend to the grievances of the sensitive categories of staff.

Grievances Adalats are held periodically at nominated stations to redress the grievances of employees. Pension Adalats are conducted every year mid. December to redress the grievances of retired employees as well.

Subsidised Hostels —Nil

8. A. Staff Benefit Fund**(a) Constitution and composition of the Staff Benefit Fund Committee**

CPO	:	Chairman
CPO/IR	:	Ex-officio
Dy. CMD	:	Ex-officio
Dy. CPO/Welfare	:	Secretary
AFA/XC	:	Representing FA&CAO
Three Representatives from	:	Southern Railway Mazdoor Union
Three Representatives from	:	Dakshin Railway Employees Union

(b) Brief account of the various schemes and activities financed out of the Fund :—

				<u>Amount Allotted</u>
(i)	Education ..	@ ₹ 72.75 per capita	..	₹ 81,58,913
(ii)	Scholarship for higher education of girl children of Group D staff.	@ ₹ 50.00 Do.	..	₹ 56,07,500
(iii)	Recreation other than sports ..	@ ₹ 22.25 Do.	..	₹ 24,95,337
(iv)	Sports ..	@ ₹ 20.00 Do.	..	₹ 22,43,000
(v)	Scouting ..	@ ₹ 13.50 Do.	..	₹ 15,14,025
(vi)	Indigenous System of Medicine including Homoeopathy	@ ₹ 22.50 Do.	..	₹ 25,23,375
(vii)	Immediate relief in times of crises & natural calamities	@ ₹ 18.00 Do.	..	₹ 20,18,700
(viii)	Training for development of occupational skills for physically and mentally challenged wards especially girls.	@ ₹ 27.00 Do.	..	₹ 30,28,050
(ix)	Promotion of Cultural Activities ..	@ ₹ 10.50 Do.	..	₹ 11,77,575
(x)	Women Empowerment ..	@ ₹ 23.00 Do.	..	₹ 25,79,450
(xi)	Relief to distressed and Sickness benefits	@ ₹ 60.00 Do.	..	₹ 67,29,450
(xii)	Misc ..	@ ₹ 10.50 Do.	..	₹ 11,77,575
Total		@ ₹ 350	..	₹ 3,92,52,500

II. Institutes and Clubs :—

(i) Number of Railway Institutes as on 31st March 2010	39
MAS : (JTJ, KPD, TRL, TBM, CGL, AVD, PER)	7
MDU : (MDU, DG, VRT, PLNI, MVN, MNM, TN, KKDI, TEN, SCT)	10
TPJ : (TPJ, MV, TP, VM, SRGM)	5
PGT : (PGT, SRR, CLT, MAQ)	4
TVC : (NCJ, ALLP, QLN, TCR, Irupanam, ERMG, Thampanoor, PJP)	8
SA : (SA, ED)	2
GOC : (Ponmalai)	1
EWS/AJJ : (AJJ)	1
S & T/PTJ : (PTJ)	1
(ii) Number of Officer's Clubs as on 31st March 2010	9
MAS :	2
MDU :	1
TPJ :	1
TVC :	1
PGT :	1
SA :	1
ST & PTJ :	1
GOC :	1

III. Financial Assistance for Technical Education :

6274 wards of Railway employees have been given financial assistance during 2009–2010 for prosecution of Professional Technical Education and the total expenditure incurred in respect thereof from the Staff Benefit Fund is as below :—

Degree :	6300 x 2400 = ₹ 1,51,20,000
Diploma :	700 x 1500 = ₹ 10,50,000
Total	₹ 1,61,70,000

An amount of ₹ 38,50,560 was spent towards scholarship for Higher Education of Girl Children of Group 'D' staff.

IV. Railway Schools :

There are 11 Railway Schools (i.e., 4 Higher Secondary Schools and 7 High Schools) in English, Tamil and Malayalam mediums situated in the territorial jurisdiction of this Zone, spread (fully/partially) over Tamil Nadu and Kerala States, to extend educational facilities mainly to the wards of Railway Employees. 5,061 children had studied in the Railway Schools during the year 2009–10.

Book Bank.—The Southern Railway Book Banks have become very popular of late. Altogether 6 Book banks are functioning at Hqrs. TPJ, MDU, PGT and TVC & SA. These prosecuting prosecuting professional/technical courses. A sum of ₹ 18 lakhs has been sanctioned towards grant for the Book Banks during the year 2009–10.

V. Schemes of Benefits to the Sick :

(i) Medical Review Camps for the benefit of Physically Challenged Wards of employees are conducted regularly by the Medical Department of this Railway. Six camps were conducted at TJ–231, QLN–132, TEN–221, MAQ–189, SA–250 & TCR–200 during 2009–10. Total 1,223 employees/family members have been benefited by these camps.

(ii) Financial Assistance of ₹ 75,000/- (Rupees Seventy five thousands only) was sanctioned to employees for sickness benefit during 2009–10.

(iii) An amount of ₹ 45,000/- (Rupees Forty five thousands only) was sanctioned during the year 2009–2010 for Deaf, Dumb, Mentally & Physically challenged wards of Southern Railway employees.

(iv) The cost of light refreshment to voluntary Blood Donors at RH/PER is reimbursed by CSBF. The ceiling limit is ₹ 17,000/- per month has been increased to ₹ 25,000/- per month.

(v) **Special incentives to acceptors of Vasectomy** : ₹ 5000/- is offered for Vasectomy Sterilization for those having one child and ₹ 2,500/- is offered to those having two children. An amount of ₹ 1,50,000/- has been allotted for the same during 2009-10 and an amount of ₹ 55,000/- has been utilized for disbursing the special cash incentive.

(vi) **Indigenous system of medicine** : Altogether 7 Homeopathy Dispensaries and 1 Ayurvedic Dispensary are

functioning on this Railway. In order to provide indigenous system of medicine to such of those employees and their family members who are desirous of availing the same, Homeopathic and Ayurvedic medicines are supplied to these dispensaries from CSBF. Payment of honorarium is also made on monthly basis to Homeopathic and Ayurvedic doctors and attendants. An amount of ₹ 25,23,375/- has been allotted under this head.

C. Recreation and Amusement :

(i) Funds are allotted from Central Staff Benefit Fund for promoting Sports activities and scouting activities. Total amount allotted for sports activities during 2009-2010 was ₹ 22,43,000/- and a sum of ₹ 15,14,025- was allotted for scouting activities.

(ii) Varieties of cultural programmes are being held periodically. Employees with exceptional talent in various cultural events like Dance, Drama & Music are sponsored for participation in the Inter Railway Cultural Competition every year. A sum of ₹ 11,77,575/- has been allotted from the Staff Benefit Fund for promoting cultural activities. An amount of ₹ 5 lakhs has been apportioned from this amount for promotion of cultural activities in Railway Schools.

(iii) Holiday Camps for men & women employees as well as childrens are being conducted regularly on this Railway under the auspices of the Central Staff Benefit Fund. An amount of ₹ 6,00,000/- has been allotted for the same during the year 2009-10. Details of Holiday Camps conducted are as below:-

Division/ Unit	Holiday Camps conducted	No. of participants	Amount spent	Places of Visited (₹)
HQRS	Children	32	1,31,036/-	UAM, Black Thunder, CBE from 23-05-09 to 29-05-09.
HQRS	Employees Camp (Male)	32	98,704/-	Mysore & Coorg from 03-12-09 to 07-12-09.
HQRS	Employees Camp (Male)	49	2,55,057/-	Srinagar (J&K) from 4-03-10 to 24-03-10.
PGT	Camp for families	50 families comprising 145 members	1,76,229/-	Munar, Narayur & Surrounding area.
PGT	Camp for families	37 families comprising 95 members	73,489/-	Wayanad, Kalpatta & Surrounding area.
PGT	Camp for families	36 families comprising 104 members	86,606/-	Madkere, Kshal Nagar & Surrending area.
SA	Children's Camp	52 Children	97,000/-	Yercaud.
AJJ	Employees Camp	73	1,29,460/-	Goa & Mumbai
AJJ	Children's Camp	60	65,413/-	Rameswaram, MDU & Kodaikanal
TVC	Children's Camp	50	1,15,000/-	Ooty, Ernakulam, Veega land, Alleppy.
TVC	Employees Camp (Male)	55	1,93,727/-	Goa & Allapuzha Boating.
TVC	Employees Camp (Women)	50	79,820/-	Alleppy Boating.
S&T/PTJ	Employee's Camp for families.	95	87,401/-	Thalakkaveri, Subramaniya Road & Kushal Nagar.

(iv) Women Empowerment Activities :

Approximately 10140 women employees, spread over different Divisions /Units are working in Southern Railway. An amount of ₹ 11,81,996/- has been allotted by the CSBF committee for the year 2009 -10 and the same has been distributed to all the Divisions/Units towards expenditure for women empowerment activities. Specific guidelines have been given to the Divisions/Units to draw a year long programme like conducting workshops, seminars, etc. by inviting eminent personalities from various fields for the benefit of the women employees. Accordingly Division/ Workshops have conducted various activities on women empowerment.

On 17-06-2009, a talk on "Cancer Awareness among women" was given by Dr.J.Ramanathan, Haematologist & Oncologist, Chennai at HQRS/MAS. On 23-10-09 a programme on "Stress Management & Inter Personnel relationship" by Dr.Resina Padmam was conducted. Outstanding women awards were given to 26 women employees on this occasion at Hqrs/MAS.

(V) Sports Activities:

Achievement of Southern Railway Sports Association in the ALL India Railway Championships.

Southern Railway performed well in the year 2009-10. We have secured the overall Second place in the Games at the All India Railway Championships.

Achievement of Southern Railway Sports Persons in the National / International Meets.

Athletics:- Shri Bibin Mathew won Gold and Shri B.B.Binish won the silver in 400m. in the British Grand Prix league in Commonwealth Pre-Competition Championship. The following have represented the Country at the Asian Athletic championship at Guangzhou (China) from 10th to 14th November, 2009. Shri Joseph Abraham won the Silver in 400 Hurdles, Shri Bibin Mathew won the Bronze in 4x400 relay, Shri V.B.Bineesh won the Bronze in 4x400 Relay, Ms.Sini Jose won the Bronze in 4x400 relay. Also Shri Arunjith, Ms.V.S.Surekha, Ms.N.Sharadha, Ms.P.K.Priya, Ms.Bindhu.S.R Ms.Reshmi Bose and Ms.Saraswathi were in the team.

Shri K.P.Bimin and Ms.Reshmi Bose were a part of the Indian team that participated at the Asian Indoor Games at Vietnam. Dy.CPO/W Ms.Anusuya Bai was nominated as Government Observer for Athletics at the Games.

Ms.Saraswathy and Shri Muthuswamy have represented the Country at the Thailand Open Championships at Bangkok in April, 2009.

Shri Joseph Abraham is selected to represent the country at the world Athletics to be held in Berlin in August.

Billiards & Snooker: Shri Rafath Habib was selected to represent INDIA at the 3rd ASIAN INDOOR GAMES to be held at Vietnam. Shri Rafath Habib was selected to represent the country at the World Qatar 9 Ball Pool , championships at Qatar in June, 2009 and he was placed 7th.

Chess: Shri K.Ratnakaran has represented INDIA at the Asian Chess Championships at NDLS and was placed Third. Shri K.Ratnakaran has represented India at the Philadelphia Open Chess and Canadian Open Chess Tournaments and at Paris Open Chess Championship in Paris in July. He is also participating in the Asian Chess Championships at NDLS.

Power lifting:- Shri S. Nagarajan, was selected to represent INDIA at the World Power lifting Championships held at New Delhi.

Volleyball:- Shri Kapil Dev and Shri Sivarajan have represented INDIA at the World Qualification Trounament at Iran in May, 2009 and are selected to participate at the Asian Senior Championships at Philipines in September, 2009.

Weightlifting:- Shri V.Vinoth Kumra, has won Silver Medal in 56kg category at the Commonwealth Weightlifting Championships held at Penag, Malaysia.

VI 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 shops on this Railways. These Councils have been constituted to discuss the matter regarding.

- i) Ways and means of enhancing productivity.
- ii) Procurement of essential additional machinery and plant.
- lii) Optimum utilization of existing staff and machinery.
- iv) Advance procurement of stores.
- v) Maintenance of Machinery and Plant.
- vi) Preventive maintenance and its importance.
- Vii) 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 in the workshops.

VII. Mobile Libraries:

There is no mobile library functioning in this Railway. However, there are 6 Book Banks functioning under the Staff Benefit Fund in the following area :—

Headquarters Office : 1 (This includes MAS Dn. and Other offices in and around Chennai)

TPJ Division : 1
MDU Division : 1
PGT Division : 1
TVC Division : 1
SA Division : 1

An amount of ₹ 15,00,000/- was allotted to the above 6 book banks.

Viii. Vocational Training Centre:

This Railway is not providing any financial assistance under SBF to the Vocational Training Centers.

IX. Handicraft Centres:

The following Handicraft Centers are functioning during the year under review :—

(a) Total number of Handicraft Centers (with locations). : 23

Locations:-

MAS Division – PER = 1
(9) AYANAVARAM = 1
MS = 1
WST = 1
TNPM = 1
TBM = 1
CGL = 1
KPD = 1
JTJ = 1

PGT Division – PGT = 1
(3) SRR = 1
CAN = 1

SA Division
(2) SA = 1
ED = 1

TVC Division
TVC = 1
(3) NCJ = 1
ERS = 1

MDU Division – MDU = 1
(1)

TPJ Division – TPJ = 1
(5) TP = 1
TJ = 1
MV = 1
VM = 1

S&TWS/PTJ – PTJ = 1
(1)
GOC - GOC = 1
(1)
EWS/AJJ - AJJ = 1
(1)

Out of 23 Handicraft Centre only 11 are functioning 9 in MAS & 2 in SA and ₹ 40,000/- was allotted for grant towards remuneration to Handicraft Centre from CSBF for the year 2009–2010 and from this amount Honorarium to the instructors of the Handicraft Centers is paid.

X. Homoeopathic Dispensaries/Other Non-allopathic Dispensaries.

A brief account of the working of Homoeopathic and other Non-allopathic dispensaries is furnished as below :—

(a) In order to provide indigenous system of medicine to such of those employees and their family members who are desirous of having such treatments, the following Homoeopathy/Ayurvedhic dispensaries are functioning on this Railway on part time basis :—

Headquarters Office/NGO/MAS	-	Homoeopathic Dispensary
Ayanavaram	-	Homoeopathic Dispensary
Madurai Division	-	Homoeopathic Dispensary
Palakkad Division	-	Homoeopathic Dispensary
Tiruchchirappalli Division	-	Homoeopathic Dispensary
Golden Rock Workshop	-	Homoeopathic Dispensary
Podanur Workshop	-	Homoeopathic Dispensary
Shoranur (Palakkad Division)	-	Ayurvedhic Dispensary

A sum of ₹ 25,23,375/- has been allotted to be spent on the Indigenous system of Medicine during 2009-2010.

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	-	1
(iii) In other Railway Buildings	-	Nil

d) Number of Homoeopathic/Ayurvedic Physicians with names, date of engagement, educational qualifications and details of experience :—

Headquarters Office/NGO/MAS	-	Homoeopathic Dispensary
Dr. L. Saraswathy, D. H. M. S.	11-6-93	17 Years
Ayanavaram	-	Homoeopathic Dispensary
Dr. V. R. Murugan, D. H. M. S.	01-3-77	33 Years
Madurai Division	-	Homoeopathic Dispensary
Dr. Chidamburanathan, B. H. M. S.	22-5-01	9 Years
Palghat Division	-	Homoeopathic Dispensary
Dr. Meera Sunil, D. H. M. S.	06-3-02	8 Years
Tiruchchirappalli Division	-	Homoeopathic Dispensary
Dr. P. R. Arasi, B. H. M. S.	02-12-98	12 Years
Golden Rock Workshop	-	Homoeopathic Dispensary
Dr. Y.A. Ravoop, R.I.M.P., R.M.H.P.	16-10-87	23 Years
Podanur Workshop	-	Homoeopathic Dispensary
Dr. B. Lalitha, D. H. M. S.	03-12-03	7 Years
Shoranur (Palghat Division)	-	Ayurvedhic Dispensary
Dr. K. Unni Krishnan, D. A. M.	04-4-99	11 Years

e) Honorarium at prescribed rates is being paid to Physician/Dispensers/Helpers (from the date of their engagement).

XI Holiday Homes/Convalescent Homes:

(1) (a) No. of Holiday Homes as on 31.3.2009 (with places of location) are as below :—

Divisions	Location	No. of Suites Available	
		Group C & D Staff	Officers Group A & B
MDU	MADURAI	5	2
	RAMESWARAM	2	2
	SENGOTTAI	-	1
	MANAMADURAI	-	2
	COURTALLAM	6	-
	PALANI	2	-
PGT	KODAIKANNAL	8	5
	MANGALORE	-	2
	CANNORE	-	2
	SHORANNUR	-	2
	PALGHAT	-	12
	COIMBATORE	-	3
SA	COONOR	4	4
	OOTY	8	1
	FERNHIL	-	2
	KARUR	-	2
	KANNYAKUMARI	4	8
	TRIVANDRUM	-	4
TVC	QUILON	-	2
	ERNAKULAM	-	7
	TRICHUR	-	2
	MAS(HQ)	ORH/MMC	24
	OOTY	-	3
	FERNHIL	-	2
MAS	LOVEDALE	-	1
	THIRUMALA	-	2
	KATPADI	-	2
	JOLARPETTAI	-	4
	SULLURPETTAI	-	2

b) Home added/deleted with date etc.—Construction of officers' rest house and holiday homes at Munnar (approved by Rly. Board).

2 (a) No. of convalescent Homes as on 31-3-2009 – Nil.

(b) Addition/deletion details regarding Convalescent Homes added/deleted with date – Nil.

(3) Whether opening of new Holiday Home/Convalescent Home is under consideration, if so, brief details regarding location, accommodation and date of likely completion to be furnished – Nil.

XI. Miscellaneous :

SALIENT FEATURES OF SOUTHERN RAILWAY WOMEN'S WELFARE ORGANISATION

Ashraya : A school for mentally challenged children for wards of Railway men and outsiders is being run by the Southern Railway Women's Welfare Organization (Headquarters) Chennai. There are 48 Children (from 6 years onwards) on rolls with varying degrees of IQ are trained in academics and vocation. Computer education is also imparted to the students. The students are provided with all necessary physiotherapy equipments. 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).

Welfare : A Creche named "Blossoms" with strength of 36 is run at Perambur for the benefit of working parents.

Shop : A retail shop with name Swabhiman was opened at Railway Hospital, Perambur to cater to the needs of inpatients/ their family members.

Other Activities : Tiruchchirappalli and Chennai Division have schools up to 10th Standard and primary classes at Palghat and Trivandrum are run by this organization. Handicraft Centers for the wives and wards of the Railwaymen function at Chennai, Palghat, Tiruchchirappalli and Madurai Divisions.

(a) Social Welfare Centers – Nil.

(b) Mahila samities – Nil.

(c) Kalamandir – Nil.

Addition/deletion made during the year in respect of the above – Nil.

1. Any other matter not covered by the detailed heads mentioned above is – Nil.

STATEMENT OF RECEIPTS AND PAYMENTS FOR THE YEAR 2009–10

Sl. No.	Receipts	Amount ₹	Sl. No.	Payments	Amount ₹
1	To Opening Balance	1,38,27,998	1	By expenditure on education	2,89,95,642
2	To contribution from Railway/revenue on per capita basis, for recreational facilities of gazetted, and non gazetted staff for development of sports, for scouting activities.	4,86,14,477	2	Scholarship for higher education of girl children of Group D staff.	38,50,560
3	for indigenous system of medicine including homeopathy.		3	By expenditure on recreation and amusement.	40,53,278
4	50% of amount spent on technical Scholarships during 2007–08. To total contribution from Railway revenue.		4	Inter Railway Cultural Competition	21,64,715
5	To unpaid wages	10,49,031	5	By expenditure on Relief of distress and sickness.	88,24,592
6	To unpaid SBF	74,949	6	By grant for Women Empowerment Activities.	26,15,000
7	To remittance of unspent amount drawn for various activities.		7	By miscellaneous expenditure	42,15,016
8	To extra grant sought for scholarship		8	By sports activities	22,61,000
9	Interest of SBF	3,77,713	9	By grant for scouting activities	27,01,182
			10	By grant for Homeopathy/Ayurvedic Dispensary.	33,95,298
			11	Natural calamities (fund transferred to N. Rly.).	18,63,900
			12	Training for development of occupational skills for physically and mentally challenged wards especially girls.	30,28,050
			13	By closing Balance *	-40,24,065
10	TOTAL	6,39,44,168		TOTAL	6,39,44,168

* Note.—Due to amount kept under DMR/X

9. Provision of Staff Quarters

Sl. Nos.	Type of Qtrs.	Programmed Quarters No. of Quarters completed		Quarters involved in schemes, new lines, doubling etc. No. of quarters completed		No. of quarters under various stages of construction as on 31st March 2010	No. of quarters provided upto 31st March, 2010, including quarters invalid in schemes, new lines-doubling, etc;
		2008-2009	2009-2010	2008-2009	2009-2010		
		No. of units	Approximate cost (₹ in lakhs)	No. of units	Approximate cost (₹ in lakhs)		
1	2	3	4	5	6	7	8
1. Type I		48	67.50	24	96.13	50	Nil
2. Type II		88	547.00	191	935.04	336	6
3. Type III		74	476.86	66	517.32	59	6
4. Type IV		28	269.00	20	254.00	8	Nil
5. Type IV (Spl.)		Nil	Nil	Nil	Nil	Nil	Nil
6. Type V		20	744.00	20	760.00	22	2
7. Type V Officers Quarters		Nil	Nil	Nil	Nil	Nil	Nil
8. Barracks		Nil	Nil	1	75.00	Nil	Nil

(ii) Improvements to old type quarters have been carried out during the year 2009-2010 at an estimated cost of Rs. 496.83 lakhs.

(iii) The position regarding quarters for Class III and Class IV as indicated below.—

Sl. No.	Category	No. of staff Qrs. as on 31st March 2010		No. of Staff Quarters available as on 31st March 2010
		Essential	Non-Essential	
1.	Class III	..	3,260	4,796
2.	Class IV	..	661	5,868
Total		..	3,921	10,664

10. Additional information of staff strength required to be incorporated vide Board's letter No. 86/Stat./1/5 dated 5th June 1986 is given as under :—

	Group 'C'	Group 'D'		Group 'C'	Group 'D'
1. Signal & Telecommunication Department					
(i) Signal	1,705	600	(c) Construction		
(ii) Tele-communication	1,780	223	(i) Railway Electrification	250	43
(iii) Microwave	167	30	(ii) Others	80	22
2. Civil Engineering Department					
(i) Civil Engineering Permanent Way	377	94	4. Commercial		
(ii) Civil Engineering Works	415	...	(i) Commercial Clerks	2,830	14
(iii) Civil Engineering Bridges	37	...	(ii) Ticket Checking Staff	3,243	..
(iv) Civil Engineering Workshop	....	...	(iii) Catering Staff	...	..
3. Electrical Department					
(a) Workshop & production Units			5. Operating		
(i) EMUs	1,651	133	(i) Train Clerks	436	..
(ii) Others	1,526	484	(ii) Guards	1,469	..
(iii) Electric Loco	...	...	(iii) Traffic Signallers	..	..
(b) Open Line			(iv) Shunting Staff	3,391	503
(i) Electrical Loco Shed	1,364	277	(v) Yard Staff	..	..
(ii) EMU Shed	..	..	(vi) Others	..	..
(iii) Rolling Stock Operation	..	..	6. Mechanical		
(iv) Traction Distribution	1,027	854	Workshops & Production Shops		
(v) General Services	2,838	1,694	(i) Steam Locos	..	..
			(ii) Diesel Locos	1,199	55
			(iii) Carriage & Wagon	5,855	809
			(iv) AC Locos	604	43
			(v) Other activities	1,945	271

XIII. AMENITIES FOR PASSENGERS

1. Monthwise Augmentation with Notification details

AUGMENTATION OF TRAINS FOR THE YEAR 2009-2010										
Sl.	Train No.	From	To	Area	Laod before augmentation	Laod after augmentation	Augmented by	No. of coaches augmented	Additional capacity generated	With effect from
1	881/882 Passr.	TPJ	ED	TN	10	12	GS-2	2	180	15/17/05.09
2	825/826 Passr.	ED	TEN	TN	10	12	GS-2	2	180	15/16/05.09
3	886/885 Passr.	ED	JTJ	TN	10	12	GS-2	2	180	16/17/05.09
4	874/873 passr.	TPJ	NCR	TN	10	12	GS-2	2	180	18.05.09
5	2076/2075. Jan Shatabdi Exp.	TVC	CLT	KL	13	15	GSCZJ	2	216	29.08.09
6	2076/2075. Jan Shatabdi Exp.	TVC	CLT	KL	15	17	GSCZJ	2	216	05.09.09
7	2076/2075. Jan Shatabdi Exp.	TVC	CLT	KL	17	18	GSCZACJ	1	73	25.10.09
8	6101/6102 Exp.	MS	RMM	TN	18	19	GSCN	1	72	29/30.11.09
9	2083/2084 Jan Shatabdi Exp.	MV	CBE	TN	8	9	GSCZJ	1	108	11.11.09
10	2077/2078 Jan Shatabdi Exp.	MAS	BZA	TN	6	9	GSCZJ	1	108	01.12.09
11	2083/2084 Jan Shatabdi Exp.	MV	CBE	TN	9	10	GSCZJ	1	108	23.12.09
12	2675/2676 Kovai Exp.	MAS	CBE	TN	17	19	GSCZ	2	216	23.01.10
13	2679/2680 Intercity Exp.	MAS	CBE	TN	19	21	GSCZ	2	216	30.01.10
14	JM-I Passr. Rake Link	PGT	—	KL	15	16	GS	1	90	30.01.10
15	6603/6604 Maveli Exp.	MAQ	TVC	KL	18	20	GSCN & ACCN	1 & 1	72 & 64	02.02.10 & 05.02.10
16	6629/30 Malabar Exp.	TVC	MAQ	KL	18	20	GSCN & ACCN	1 & 1	72 & 64	03.02.10 & 04.02.10
17	2641/2642 Weekly Exp.	CAPE	NZM	KL	20	21	GSCN	1	72	03.02.10 & 06.02.10 &
18	JS-I Passenger Link	PGT	—	KL	10	11	GS	1	90	03.02.10
19	6603/04 Maveli Exp.	MAQ	TVC	KL	20	21	GSCN	2	72	10.02.10 & 13.02.10
20	6629/30 Malabar Exp.	TVC	MAQ	KL	20	21	GSCN	2	72	11.02.10 & 12.02.10
21	6733/6734 Exp.	RMM	Okha	TN	13	14	GSCN	1	72	12/16.02.10
22	6340/6339 Exp.	NCJ	CSTM	TN	18	19	ACCN	1	64	15/17.02.10
23	6352/6351 Exp.	NCJ	CSTM	TN	18	19	ACCN	1	64	18/20.02.10
24	2788/2787 Weekly Exp.	TN	BSP	TN	14	15	GSCN	1	72	21/23.02.10
25	6735/6736 Weekly Exp.	MS	TCN	TN	14	15	GSCN	1	72	26/25.02.10
26	2641/2642 Weekly Exp.	CAPE	NZM	TN	21	225	ACCN	1	64	24/27.02.10
27	6610/6609 Exp.	CBE	NCJ	TN	14	16	GSCN&GS	1 & 1	72 & 90	20/21.02.10

2. Drinking Water Arrangements

Supply of drinking water was ensured at all the Stations, water cooler where piped water supply was available.

Sl. No.	Divisions	Name of work	Estimate cost (₹ in lakhs)
1. CHENNAI DIVISION			
(A) Works Completed			
(i) Works costing more than ₹ 5 lakhs :—			
1. MAS	..	Nil	
2. SA	..	Nil	
3. PGT	..	Nil	
4. TVC	..	1. Replacement of circular PVC tanks by GRP panelled tanks in stations building.	37.25
		2. ERS Sub-division-Improvements to water supply arrangements.	33.00
5. MDU	..	Nil	
6. TPJ	..	1. TPJ - colony replacement of damaged and heavily corroded CI tanks and water pipe line at Kallukuzhi.	29.71
		2. TPJ-KG, RPSF colony—Construction of 2.25 KL RCC OHT in lieu of corroded MS overhead tank.	29.32
7. CN/MS	..	Nil	
8. MTP	..	Nil	
(ii) Works costing less than ₹ 5 lakhs :—			
1. MAS	..	1. NBK—Watering arrangements	0.54
		2. MKK—Watering arrangements	0.54
		3. MBM—Watering arrangements	0.72
		4. SP—Watering arrangements	0.54
		5. GDY—Watering arrangements	0.72
		6. STM—Watering arrangements	0.90
		7. PZA—Watering arrangements	0.54
		8. MNDY—Watering arrangements	0.54
		9. TLM—Watering arrangements	0.18
		10. PV—Watering arrangements	0.54
		11. CMP—Watering arrangements	0.54
		12. PRGL—Watering arrangements	0.81
		13. VDR—Watering arrangements	0.09
		14. GL—Watering arrangements	0.54
2. SA	..	Nil	
3. PGT	..	Nil	
4. TVC	..	Nil	
5. MDU	..	Nil	
6. TPJ	..	Nil	
7. CN/MS	..	Nil	
8. MTP	..	Nil	

Sl. No.	Station/Sections	Name of work	Estimate cost (₹ in lakhs)
(B) Works in Progress			
(i) Works costing more than ₹ 5 lakhs :—			
1. MAS	..	1. MTMY—Improvements to water supply distribution system and sources for station.	5.00
		2. SSE/W/NWL/AVD section—Water supply through lorry.	25.00
		3. ENR, AIPP, NPKM, APB & KVP—Water supply through lorry.	10.00
		4. MJR—TWAD water supply.	10.86
		5. PWQ—Improvements to damaged and corroded water supply lines.	48.06
		6. PWQ—Ayanavaram repairs to pipelines replacing of filter bed maintenance of water treatment plant at filter house.	11.30
2. SA	..	1. Provision of drinking water facilities at good sheds at SA, SAMT, ED, IGU, PLMD, CBF.	50.00
		2. PTJ—Construction of OHT 90000 litres. Capacity and replacement of pipe line grid at 20 block area.	49.50
		3. PTJ—Podanur—Provisional individual storage water tank at staff quarters (400 nos.) and augmentation of water supply by drilling three more bore wells and pipe line arrangements (id. 1359/08/09, CE/OL)	49.00
		4. PTJ—Salem Division – Provision of purified drinking water to stations through water treatment systems at CBE (id. 1506/09–10) CE/OL.	20.00
		5. TUP—Tiruppur—Construction of OHT 4500 litres capacity including pipe line arrangements from well to good shed area (id. 1849/08–09) CE/OL.	45.00
		6. CBE—Coimbatore Jn. – Provision of Reverse osmosis plant for providing drinking water of passengers.	29.00
		7. CBE—Provision of GLR and pipe line arrangements for new RCC OHT.	29.00
		8. CBE – CBE Jn. – Provision of RCC OHT for 2.25 lakhs litres capacity with 20 m. staging.	29.00
		9. PTJ – S & T work shop installation of Reverse Osmosis plant.	8.00
		10. ED – Proposed maintenance of water supply system.	26.68
3. PGT	..	Nil	
4. TVC	..	1. ERS – Supply of drinking water.	23.27
		2. VARD, RTM, KYTM, CGY & TRVL – Improvements to water supply.	33.00
5. MDU	..	Nil	
6. TPJ	..	1. TPJ—Kattukuzhi colony—Replacement of corroded pipe lines.	43.00
		2. GOC-Ponmalai—Replacement of pipelines in colony to ensure uniform distribution of water supply, 'C' type 1300 & 'F' type 500 (id : 495/05-06).	61.47
7. CN/MS	..	Nil	
8. MTP	..	Nil	

Sl. No.	Station/ Sections	Name of work	Estimate cost (₹ in lakhs)
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(ii) Works costing less than ₹ 5 lakhs :—

1. MAS	..	1. MPKT—Improvements to water supply distribution system and sources for station.	3.50
		2. MCPT—Improvements to water supply distribution system and sources for station.	3.50
		3. MCPK—Improvements to water supply distribution system and sources for station.	3.50
		4. MTCN—Improvements to water supply distribution system and sources for station.	3.50
		5. MLHS—Improvements to water supply distribution system and sources for station.	3.50
		6. MNDY—Improvements to water supply distribution system and sources for station.	11.30
		7. GWYR—Improvements to water supply distribution system and sources for station.	50.00
		8. KTPM—Improvements to water supply distribution system and sources for station.	49.50
		9. KTBR—Improvements to water supply distribution system and sources for station.	49.00

Sl. No.	Station/ Sections	Name of work	Estimate cost (₹ in lakhs)
		10. INDR—Improvements to water supply distribution system and sources for station.	2.50
		11. IYMR—Improvements to water supply distribution system and sources for station.	2.50
		12. TRMN—Improvements to water supply distribution system and sources for station.	2.50
		13. PRGD—Improvements to water supply distribution system and sources for station.	2.50
		14. VLCY—Improvements to water supply distribution system and sources for station.	4.00
		15. WCN—Improvements to water supply distribution system and sources for station.	2.50
		16. TNP—Improvements to water supply distribution system and sources for station.	1.00
2. SA	..	Nil.	
3. PGT	..	Nil.	
4. TVC	..	Nil.	
5. MDU	..	Nil.	
6. TPJ	..	Nil.	
7. CNMS	..	Nil.	
8. MTP	..	Nil.	

Taps/Handpumps/Water huts provided

Division	Taps available during 2008–09	Taps available during 2009–10	Taps provided during 2009–10	
MAS	2,005	2,095	90	
SA	554	558	4	
PGT	789	1,033	244	
TVC	1,206	1,211	5	
TPJ	1,139	1,071	68	
MDU	1,361	1,749	388	
Total	7,054	7,717	799	

Water Coolers Provided

Division	Coolers available during 2008–09	Coolers available during 2009–10	Coolers Provided during 2009–10	
MAS	131	131	0	
SA	27	27	0	
PGT	48	49	1	
TVC	47	52	5	
TPJ	30	30	0	
MDU	49	49	0	
Total	332	338	6	

3. Passenger Amenity Works

- During the year 2009-10, 62 passenger amenity works costing ₹ 46.22 crores were approved under LAW – 2009-10.
- Under Pink-Book 2009-10, 7 works with an estimated cost of ₹ 51.08 crores were sanctioned.
- Total 280 passenger amenity works costing ₹ 234.14 crores are in various stages of progress.
- During the year 2009-10, 72 passenger amenity works costing ₹ 41.46 crores were completed.

For the year 2009-10 an amount of ₹ 80.61 crores was spent on passenger amenity works against the sanctioned budget grant of ₹ 81.36 crores, which is 99%.

4. Departmental Catering at stations :

Departmental vegetarian Refreshment rooms and restaurants are functioning at the following stations under the control of IRCTC :—

- Chennai Central
- Jolarpettai
- Ernakulam

5. Departmental Catering on trains :

Departmental Catering on Trains are functioning under the control of IRCTC.

- 2641/2642 Thirukkural Exp.
- 2269/2270 Durgam Exp.
- 2625/2626 Kerala Exp.

6. Contract Catering :—

- Contract operated catering units—Static at D, E, F category stations under the control of Railways.

Division wise Vegetarian/Non-vegetarian Refreshment Rooms run by contractors are given below :

—	TPJ	MDU	TVC	PGT	MAS	SA	Total
VRR*	1	—	—	—	—	—	1
NVLR	1	—	—	—	—	—	1
VLRR	1	5	3	—	—	—	9
NVRR	—	—	—	—	—	—	0
Stalls	24	36	24	25	4	6	119
Total	27	41	27	25	4	6	130

b. Details of A, B, C stalls under the control of IRCTC :—

Sl. No.	Type of units	Number of units under private licensee	Number of units run departmentally by IRCTC	Total Number of units	
1	Mobile units				
	Pantry cars	41	3	44	—
	TSV	23		23	—
2	Other major units				
	RRs in 'A' stations	28	2	30	functioning with aux units

Details of A, B, C stalls under the control of IRCTC :—

Sl. No.	Type of units	Number of units under private licensee	Number of units run departmentally by IRCTC	Total Number of units	
	Food plazas	16	—	16	TVC closed w.e.f. 12/9/09
	Coffee plaza	1		1	—
	QSKF	1		1	—
	GMUs				
	RRs in 'B' stations.	7	—	7	functioning with aux. units
	Stalls	197	—	197	
	Stalls & trolleys	59		59	—
	SMUs				
	stalls & trolleys	62+8	—	62+8	—
3	Small catering units at A,B,C	27	—	27	—
4	Small catering units at D,E,F	4		4	—
5	Milk stalls/ Parlours	62	—	62	—
6	AVM				
	AVM DKs	154	—	154	—
	AVM stand alone	19		19	—
7	Exclusive medicine shop	—	—	—	—
8	Book stall	69	—	69	—
9	Book stall cum chemist corner				
10	Misc stall				
11	Misc stall cum chemist corner				
12	Handloom/ Handicraft stall				
13	Any other stall	2	—	2	Inclusive icecream
14	HPMC	31		31	—
15	Fast Food units	5		5	—
16	Total	826	5	831	

C. 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 | 9. Trichur |
| 2. Chennai Egmore | 10. Chennai Park |
| 3. Madurai | 11. Coimbatore |
| 4. Ernakulam North | 12. Katpadi |
| 5. Ernakulam Jn. | 13. Palghat |
| 6. Tiruchchirappalli | 14. Calicut |
| 7. Shoranur | 15. Mangalore |
| 8. Chennai Beach | 16. Kannur |

4. Mobile Catering units :

Contractor operator Mobile-catering units under the control of Railways.

Nil

Contractor operated Mobile-catering units under the control of IRCTC.

1.	2007/2008	MAS-MYS Shatabdi Exp.	6 days in a week
2.	2077/2078	MS-BZA Jan Shatabdi Exp	Except Tuesday
3.	2083/2084	TJ-CBE Jan Shatabdi	Except Tuesday
4.	2075/2076	ERS-TVC Jan Shatabdi	Daily
5.	2675/2676	MAS-CBE Kovai Exp.	Daily
6.	2677/2678	CBE-SBC Intercity Exp.	Weekly
7.	6345/6436	Netharavathi Exp.	Daily
8.	2617/2618	ERS-NZM Mangala Exp.	Daily
9.	6339/6340	NCJ-CSTM Exp.	4 days in a week
10.	6323/6324	TVC-HWH Exp.	Bi-weekly
11.	6337/6338	ERS-OKHA Exp.	Bi-weekly
12.	6327/6328	BSP-TVC Exp.	Bi-weekly
13.	6309/6310	ERS/PNBE Exp.	Weekly
14.	6331/6332	TVC-CSTM Exp.	Weekly
15.	6335/6336	NCJ-GIM Exp.	Weekly
16.	2643/2644	TVC-NZM Exp.	Weekly
17.	6325/6326	INDB-TVC	Weekly
		Ahilyanagari Exp.	
18.	6317/6318	CAPE-JAT Exp.	Weekly
19.	6355/6356	CAPE-HWH Exp.	Weekly
		(New No. 2665/66)	
20.	6351/6352	NCJ-TPTY Exp.	Bi-weekly
	6353/6354	TPTY-CSTM Exp.	Bi-weekly
21.	6359/6360	ERS-PNBE Exp.	Weekly
22.	2663/2664	TPJ-HWH Exp.	Bi-weekly
23.	6127/6128	MS-GUV Exp.	Daily
24.	2679/2680	CBE-MAS Intercity Exp.	Daily
25.	2687/2688	MAS-DDN Exp.	Weekly
26.	6311/6312	TVC-BKN Exp.	Daily

27.	2651/2652	MDU-NZM Sampark Kranti Exp.	Bi-weekly
28.	2653/2654	Kochuveli-NZM	Weekly
29.	6865/6866	ERS-TPJ Exp.	Daily
30.	6733/6734	RMM-Okha Exp.	Weekly
31.	2655/2656	MAS-ADI Exp.	Daily
32.	6687/6688	MAQ-JAT Navayug Exp.	Weekly
33.	6381/6382	CAPE-CSTM Kanniyakumari Exp.	Daily
34.	2621/2622	Tamil Nadu Exp.	Daily
35.	6333/6334	HAPAE Exp.	Weekly
36.	2615/2616	MAS-NDLS Grand Trunk Express.	Daily
37.	2639-2640	MAS-SBC Brindavan Exp.	Daily
38.	2605/2606	MS-TPJ Pallavan Exp.	Daily
39.	6349-6350	TVC-MAQ Parasuram Exp.	Daily
40.	6301-6302	TVC-SRR Venad Exp.	Daily
41.	2635/2636	MS-MDU Vaigai Exp.	Daily
42.	2669-2670	MAS-CHAPRA Exp.	Weekly

Chief Food Packets

Exclusive Jan Ahars are functioning at MAS & ERS which are managed by IRCTC. Outlets selling Janatha Khana are also functioning in 49 stations in existing licence operated units managed by IRCTC.

Catering Supervisory Committee

Catering Monitoring cell is functioning at Headquarters & Divisions.

Indian Railway Catering & Tourism Corporation (IRCTC)

At present, IRCTC is managing 17 food plazas of which one is closed and 5 Fast Foods units at various stations over Southern Railway.

6 Details of Amenities provided during the the Year 2009-10

[illegible]

8 Passenger Amenity (PB & CAW) works Completed During 2009-10

Sl. No.	Name of Work	Cost in Lakhs
1	Ambur-Extension of Platform Nos. 2 & 3 coaches length from Rail Level to High Level, raising of platform level from medium level to high level and paving of surface. (id. 1023/05-06), CE/OL	29.81
2	Chennai - Gudur Sec. - Ponneri and Sullurupeta - Provision of new Steel Tank - 2 Nos. with 50,00 litres capacity each. (id. 1046/05-06), CE/OL	32.53
3	Chennai - Gummidipundi Sec. : Provision of F. O. B. at Kathivakkam station (OT 2004-05) CE/OL	28.72
4	Chennai - Gummidipundi Sec. : Provision of F. O. B. at Nandiyambakkam (halt) station (OT 2004-05) CE/OL	38.48
5	Chennai-Velachchery sec. Replacement of corroded roofing sheets on high roof of Tiruvallikeni stn. (id. 1668/08-09), CE/OL	43.64
6	CHENNAI BEACH - Improvements to PF surfaces on PF No. 5 & 6 : (id. 1901/07-08) CE/OL	49.94
7	Chennai Central - Replacement of broken AC sheet roofing with galvalume sheet and aluminium gutter at platform nos. 4 & 5 (id. 1676/08-09), CE/OL.	48.51
8	Chennai Central - Replacement of broken AC sheet roofing with galvalume sheet and aluminium gutter at platform nos. 6 & 7 (id. 1676/08-09), CE/OL.	47.65
9	Chennai Division : Improvement to lighting arrangements at TBM, AJJ, JTJ, WJR, KPD, TRL, SPE & TRT (id : 1266/06-07), CEE.	49.99
10	Chennai Egmore - Replacement of broken AC sheet roofing with galvalume sheet and aluminium gutter at platform nos. 3 & 4 at TBM end. (id. 1674/08-09), CE/OL.	42.01
11	Gummidipundi : Extension of platform to accommodate 24 coaches at PF Nos. 1 & 2. (id : 1058/02-03) CE/OL.	28.08
12	Jolarpettai - Extension of platform No. 1, 2 & 3 to hold 24 coaches. (id : 1038/05-06) CE/OL	32.76
13	Jolarpettai - Improvements to circulating area and beautification work including land scaping. (id : 1271/06-07) CE/OL	48.77
14	Mambalam : Platform shelter on BG/MG platform for a length of 64 m (with modern light roofing) (id : 1209/99-00) CE/OL	18.99
15	Melmaruvathur - Improvements to circulating area and provision of waiting hall/Dormitory with furniture. (id : 1274/06-07) CE/OL	49.49
16	Nemilichery - New train halt - Pro. constn of high level PF to cater 12 car units including station building. (id : 1045/05-06) CE/OL	36.28
17	Patravakkam - Widening of platform on Dn slow line. (id : 1914/07-08) CE/OL.. .. .	49.75
18	Wimco Nagar - Raising of platform surfaces, provision of pale fencing and drinking water facilities (id : 964/03-04) CE/OL	23.92
19	Podanur Jn. - Platform resurfacing at podanur Jn. (id : 1936/07-08), CE/OL	36.00
20	Podanur Jn. - Provision of PF shelter for 4 bays length each on PF 1 (id : 1937/07-08) CE/OL	44.00
21	Uttikuli, Somanur & Pilamedu - Provision of PF shelter for one bay's length each on PF 2 at Uttukuli, PF 1 at SNO and on both PFs 1 & 2 at Pilamedu (id : 1943/07-08) CE/OL	49.00
22	Palghat - New booking office	394.17
23	Cannanore - Shifting of present parcel office developing circulating area road ramp etc., (id : 1059/05-06) CE/OI	29.74
24	Elimala - Provision of PF shelter for 4 bays length on PF - 2 (id : 1919/07-08) CE/OL	25.12
25	Feroke - Provision of PF shelter for 4 bays length on PF - 2 (id : 1920/07-08) CE/OL	37.42
26	Kanhangad - Provision of PF shelter for 4 bays length on PF - 2 (id : 1921/07-08) CE/OL	30.85
27	Kannapuram - Provision of PF shelter for 4 bays length on PF - 2 (id : 1922/07-08) CE/OL	35.24
28	Kozhikkode - Provision of platform shelter for 4 bays length on platform No. 2/3 (2 each on both ends) (id : 1692/08-09) CE/OL	44.24
29	Mahe & Payyoli - Provision of PF shelter for 4 bays' length on PF 2 at Mahe and PF shelter for 2 bays' length on PF 2 at Payyoli (id : 1925/07-08), CE/OL	39.77
30	Nileshwar - Provision of PF shelter for 5 bays' length on PF 2 (id : 1927/07-08)	34.26
31	Ottappalam - Provision of PF shelter for 2 bays' length each both ends PF 2 (id : 1928/07-08) CE/OL	36.65
32	Palghat Jn. - Beautification of station by providing metal halide lighting, seating arrangement in platform and concourse and garden. (id : 1296/06-07), CE-OL.	49.99
33	Parappanangadi - Provision of PF shelter for 5 bays' length on PF-2 (id : 1930/07-08), CE-OL.	37.61
34	Pattambi & Pallipuram - Provision of PF shelter for 2 bays' length each on PF-2 (id : 1931/07-08). CE-OL.	43.71
35	Payyangadi - Provision of PF shelter for 2 bays' length each on both ends of PF 1 & 2 (id : 1932/07-08), CE-OL.	47.49

Sl. No.	Name of Work	Cost in Lakhs
36	Payyanur – Provision of PF shelter for 5 bays' length each on PF-2 (id : 1933/07-08), CE-OL.	41.13
37	Quilandi – Provision of PF shelter for 48 m. each on CAN end of both platforms (id : 1938/06-07), CE-OL.	43.31
38	Tanur – Provision of PF-shelter for 2 bays' length each on both ends of PF-2 and covering on FOB (id : 1940/07-08), CE-OL.	47.71
39	Tellicherry – Provision of PF shelter for 5 bays' length on PF - 1 (id : 1941/07-08) CE/OL	29.62
40	Uppala – Provision of PF shelter for 4 bays' length on PF - 1 (id : 1942/07-08) CE/OL	40.77
41	Vallikkunnu & Kadalundi – Provision of PF shelter for 2 bays' length each on PF - 2 (id : 1944/07-08), CE/OL ..	25.15
42	Walayar : Extension of existing high level platform No. 1 as high level for 200 m (to hold 18 coaches) (id : 1688/08-09), CE/OL.	37.72
43	Walayar – Provision of PF shelter for one bays's length each on PF 2/3 (id : 1945/07-08) CE/OL	36.31
44	Alleppey – Improvements to surfacing of Platform No. 1 (id : 1946/07-08) CE/OL	49.00
45	Angamali for Kaladi – Raising of platform No. 1 to high level and paving the prime areas of platform No. 1 with Kota stone type (id : 1948/07-08) CE/OL.	49.00
46	Ernakulam Jn. – Extension of foot over bridge to eastern side for 2nd entry (Karshaka Road side) (id : 248/PB 98-99, CE/OL)	63.50
47	Ernakulam Town and Alwaye : Raising of PF No. 2 (id : 1305/06-07) CE/OL	49.50
48	Nagercoil Junction – Construction of new booking office and raising of platform No. 1 (id : 1307/06-07) CE/OL ..	49.50
49	Tiruchchirappalli – Provision of high level island Platform between Road 7 & 8 (id : 1980/06-07) CE/OL	45.97
50	Tiruchchirappalli Jn. – Provision of electronic chart display system (id : 1701/08-09) CE/OL	49.99
51	Dindigul Jn. – Provision of 3 bays' platform shelter each on PF No. 1 & 2 and 3 & 4 (id : 1987/08) CE/OL	45.00
52	Madurai Division – Extension of Platform to hold 24 bogies at SVPT, SNKL & KDNL and extension of PF to hold 20 bogies at VPJ (id : 1994/07-08) CE/OL.	49.81
53	Madurai Divn. – Improvements to Booking offices and enquiry counters at TEN, TN, DG, CVP and VPT (id : 1331/06-07) CE/OL.	58.22
54	Madurai Jn. – Provision of 3 bays platform shelter each on PF No. 2 & 3 and 4 & 5 (id : 1996/07-08) CE/OL	35.80
55	Madurai Jn. – Provision of vacuum dewatered concrete including granite flooring on PF No. 2 & 3 (id : 1997/07-08) CE/OL.	44.53
56	Rameswaram – Proposed CC apron at platform no. 1 (id : 1711/08-09) CE/OL	65.59
57	Tirunelveli : Remodelling of station building and provision of greeneries in circulating area (id : 1334/06-07) CE/OL ..	49.88
58	Tuticorin – Proposed CC apron at platform No. 1 (id : 1712/08-09) CE/OL	64.35
	Total ..	2,785.94

Passenger Amenity (PB & LAW) works in progress during 2009-10

1	Chennai Park station : Provision of FOB (id : 1270/06-07) CE/OL	47.24
2	Chengalpet – Replacement of the existing high level tank (MS tank over rail staging size 8'0"x4'0") with new steel Tank of 1 lakh lit. (id : 1025/05-06), CE/OL.	28.41
3	Chennai Egmore : Developing green building concept covering civil engineering aspects phase I. (id : 1672/08-09) CE/OL.	32.43
4	Katpadi – Platform shelter at island platform 2 & 3 at JTJ end and paving of platform by vacuum dewatering. (id : 1272/06-07), CE/OL.	29.56
5	Chennai Central : Laying of CC apron on PF No. 1, 2A, 3, 4 & 5. CE/OL.	29.13
6	Chennai Beach – Improvements to platform surfaces at PF no. 5 & 6 with vacuum dewatered concrete.	49.6
7	Chennai Central – Replacement of existing AC sheets with galvalume sheets including replacement with aluminium gutters of platform No. 1, 2 & 2 A.	98.85
8	Anvardikanpettai – Extension of Up & Down high level platforms to hold 24 bogies	62
9.	Chennai – Gudur Sec. : Provision of IRS type platform shelter at Attipattu Puthunagar (2 x 32 m) and Arambakkam Stations. (2 Nos. (OT 2004-05) CE/OL.	15.69
10	Guindy – Extension of PF to accommodate 24 coaches (id : OT 4/06-07, CE/OL)	49.95
11	Ambur & Jolarpettai – Upgradation as model stations	355
12	Chennai Beach – Vilupuram section – Replacement of existing damaged AC sheets with galvalume sheets at FOBs of Pallavaram, Chennai Fort, Mambalam and Tambaram stations	95

Sl. No.	Name of Work	Cost in Lakhs
13	Arakkonam – Jolarpettai section – Widening of PF no. 1, CC paving of PF No. 1, 2 & 3 at Sholinghur and provision of CC tiles on FOB and ramp at Katpadi.	74
14	Southern Railway – Escalators at major stations (4 Nos.) (2 stations) TVC-2, CLT-2, (CBE-2; ERS-2 : Supp Demand)	280
15	More Market Complex : Provision of CC TV cameras	49.47
16	Chennai Division – Improvement to Adarsh stations (8 stations)	660
17	Ekambarakuppam – Extension of medium level platform on up line side & raising of platform from RL to ML on down line side and extension of RCC retaining wall in between up & down lines.	77
18	Chennai Central : Developing green building concept covering energy conservation aspects – Phase I. (id : 1669/08-09), CE/OL.	49.46
19	Basin Bridge – Augmentation of water supply arrangement by installation of recycling plant & electronic monitoring system.	350
20	Chennai Egmore – Provision of new FOB connecting PF No. 5 to PF No. 9 with roofing arrangements	87
21	Chennai Central : Developing green building concept covering civil engineering aspects Phase I. (id : 1670/8-09), CE/OL.	28.46
22	Pulikulam – Prosposed new Train halt between PON – APB station. (id : 1049/05-09), CE/OL	28.46
23	Arakkonam – Jolarpettai Sec. – Extension of FOB on south side of WJR station and extension of FOB at north side colony at Katpadi Junction. (id : 1021/05-06), CE/OL.	36.59
24	Chennai Divin. Provision of purified drinking water to stations through water treatment system	30
25	Gummidipundi – Extension of FOB (id : 1910/07-08), CE/OL	35.74
26	Chennai Central : Laying of CC apron on PF No. 6, 7, 8 & 11 CE/OL	27.6
27	Chennai – Arakkonam sec : Provision of FOB at Egattur (halt station) OT 2004-05 CE/OL	28.72
28	Chennai Division – SPE – GPD section and TRL – AJJ section – Extension of platforms for accomodating 12 Car EMUs. (id : 1677/08-09), CE/OL.	333.18
29	Chennai Division MAS – GDR section – Provision of 150 mm dia borewell and RCC OHT of 30000 litres capacity at KVP, RCC OHT of 50000 litres capacity one each at PON & GPD, PVC tank of 10000 litres capacity at NYP including pumping arrangements.	55
30	Korattur : Extension of FOB across quadruple lines. (id : 1067/02-03), CE/OL.. ..	23.76
31	Sulurpeta – Gummidipundi & Tiruvallur – Arakkonam – Extension of platforms for 12 - car electrical multiple units ..	333.18
32	Chennai Beach – Improvements to circulating area and concourse. (id : 1900/7-08), CE/OL	27.41
33	Tambaram – Provision of escalators (2 Nos.) (id : 1678/08-09), CE/OL	160
34	Chennai & Salem Division – Foot over bridges (5 Nos.) (D category stations) Kanchipuram, Perungalathur, Sholingur, Kulithalai & Shankaridurg.	330
35	Chennai – Gudur Section – Raising and paving of PF 4 & 5, 6 & 7 at BBQ and provision of shelter and paving of up and down PFs at VOC nagar (id : 1899/07-08), CE/OL.	48.45
36	Chennai & Salem Division – Raising of rail and medium level platforms to high level (B category - 2 and D category - 13 stations). MAS Dn. B - category ststions – Ambur & Melmaruvathur, D - category stations – Gudiyatham, Kattankulathur, Nayudupeta, Singaperu.	900
37	Mukundarayapuram – Provision of PF shelter on UP loop line and Down loop line (id : 1913/07-08). CE/OL	37.13
38	Chengalpattu – Expansion of booking office and new PRS building (id : 1898/07-08), CE/OL	49.17
39	Mambalam – Improvement as model station (id : 1098/LAW 01-02, CE/OL)	55.89
40	Chennai Division – Elimination of deficiencies in minimum essential passenger amenities at various stations (Phase – II) (id : 520/PB 04-05, CE/OL).	259.96
41	Chennai Beach – Provision of PRS building (id : 1675/08-09), CE/OL	48.68
42	Puttur & Sevvapet Road – Provision of PF shelter 1 x 32 m on up and down platforms (id : 955/03-04), CE/OL ..	28.46
43	Mambalam – Foot over bridge connecting suburban platform to a location near Duraisamy Road	290
44	Gummidipundi – Gudur Sec. : Provision of FOB @ Akkampet halt stn. (OT 2004-05) CE/OL	28.99
45	Chennai Division : Elimination of deficie4ncieas in minimum essential passenger amenities at various stations (Phase-II)	259.96
46	Chennai – Arakkonam Sec. : Provision of FOB at Annaiur (halt station) (OT 2004-05) CE/OL	28.72
47	Veppampattu & Tiruninravur – Provision of PF shelter 1 x 32 m on up and down platform (id : 962/03-04) CE/OL ..	28.46

Sl. No.	Name of Work	Cost in Lakhs
48	Chennai MRTS Section – Improvements to water pipelines, PF granite benches and circulating area at MPKT, MCPT, MCPK, MTCM & MLH & MTMY (id : 1909/07–08), CE/OL.	44.58
49	Chennai Central : Proposed high pressure jet cleaning plant at platforms. (id : 1030/05–06), CE/OL.. ..	25.6
50	Avadi : Provision of Automatic Public Announcing System using GPS - cabin control units in 18 EMU rakes to improve better amenities to passengers. (id : 1667/07–08–09), CE/OL.	44.9
51	Katpadi : Provision of PF shelter on island PF 4 & 5 (3 x 16 m.) 10 mtr. wide - 2 Nos. (id : 1911/07–08), CE/OL ..	38.94
52	Chennai Egmore : Developing green building concept covering energy conservation aspects-Phase I. (id : 1671/07–08–09), CE/OL.	49.66
53	Karur – Retiring room, Provision of PF shelter for 32 m. each on PF 1 & 2 (id : 975/03–04), CE/OL	21.33
54	Podanur Jn. – New booking complex with PRS and parcel office (id : 1935/07–08), CE/OL	49.9
55	Magudamchavadi & Veerapandi Road – Provision of PF shelter for 2 bays' length each on PF-1 (id : 1924/07–08), CE/OL.	42
56	Coimbatore Jn. : Provision of addl. PF shelters at island PF 3 & 4 for 5 bays (id : 1982/08–09), CE/OL	48.34
57	Coimbatore – CC apron on Platform No. 4 (Road No. 5) (id : 1684/08–09), CE/OL	49.9
58	Bommiidi – Extension of PF No. 1 for 295 m. and PF No. 2 & 3 (island) for 150 m. to accommodate 24 coach trains including slewing of track, relocation of OHE mast for length of 650 m.	246.26
59	Samalpatti & Dasampatti – Provision of PF shelter for 2 bays' length each on PF-1 (id : 1939/07–08), CE/OL.. ..	45
60	Uttukuli : HL PF for Dn line side 250 m. and an F. O. B. with electrical and communication installations. (id : 955/03–04), CE/OL.	28.5
61	Samalpatti – Extension of rail level platform No. 2 for accommodating 24 coaches (id : 1680/08–09) CE/OL.. ..	40
62	Karur – PF shelter - 4 bays' length on PF No. 2 for accommodating 24 coaches (id : 1923/07–08) CE/OL	49
63	Salem Jn. – Provision of CC apron on line of platform No. 2 for a length of 540 m. (id : 1686/08–09) CE/OL.. ..	60
64	Tiruppur and Coimbatore – Provision of coach guidance on 2 platform each (id : 1301/06–07) CE/OL	49.99
65	Salem Division : Provision of drinking water facilities at Goodsheds of SA, SAMT, ED, IGU, PLMD & CBF (id : 1679/08–09) CE/OL.	49.5
66	Coimbatore – 2nd subway from main entry side connecting platforms 1 to 4	375.11
67	Coimbatore Jn. : Provision of addl. PF shelters at island PF 1 & 2 for 2 bays' (id : 1683/08–09) CE/OL	38
68	Southern Railway – Platform shelter (2 Nos. - B category stations and 23 Nos. - D category stations). SA Divn. - Kulithalai, Pugalur, Sankaridurg. PGT Divn. – Divn. Angadipuram, Nileshtar, TVC Divn. - Ambalapuzha, Haripad, Nanguneri, P.	341.97
69	Erode & Tiruppur – Provision of cable trays for the electrical cables to ensure safety and give aesthetic look ..	25
70	Coimbatore : Provision CC apron on line of PF No. 4 for a length of 570 m. (id : 1687/08–09) CE/OL	60
71	Karur – Strengthening of column and beams by epoxy treatment in station building, improvements to approach road, provision of drainage arrangements and construction of boundary wall (id : 1685/08–09) CE/OL.	45.6
72	Coimbatore Junction – Improvement to circulating area at Eastern side and Western side.. ..	172.72
73	Salem Divn. : Provision of purified drinking water to stations through water treatment systems	20
74	Pallipuram : Provision of Foot over Bridge (22 m. long x 3 m. wide) (id : 1690/08–09) CE/OL	74.34
75	Provision of new station building and other passenger amenities at AAM	99
76	Palghat Divn. – Provision of second F. O. B. and PF watering arrangements at MAQ	94
77	Tirur station : Provision of Coach Guidance system on platform No. 1 & 2	67.75
78	Kannur, Vadakara, Thalassery & Tirur – Provision/improvement to passenger amenities	782
79	Parappanangadi – New Booking Office with 4 counters for installation of UTS with concourse and one counter for PRS in future. (id : 1929/07–08) CE/OL.	50.83
80	Palghat and Trivandrum Divisions – Raising of rail and medium level platforms to high level (B category-3 and D category-stations). B - Category stations - Tirur, Changanacheri & Varkala. D - Category stations- Charvathur, Kannapuram, Kottikula.	1620
81	Upgradation of passenger amenity works at KTU	50
82	Payyanur – Provision of PF shelter for 5 bays' length on PF-1 (id : 1934/07–08) CE/OL.. ..	33.36

Sl. No.	Name of Work	Cost in Lakhs
83	Upgradation of passenger amenities at Vallikunnu station	50
84	Mangalore Central – Construction of booking office with 4 counters, Development of circulating area and vehicle parking at second entry.	74.6
85	Palghat Divn. : Provision of LCD TV at waiting rooms of A & B class stations (b) Counter communication system at information centres and enquiry counters (c) Provision of computerized announcement system at 3 stations (d) extension of PA system to second.	40.72
86	Cannanore – Construction of secondary entry booking office and shifting of PRS centre (id : 1689/08-09) CE/OL ..	47.5
87	Tirur – Provision of platform shelter for 4 bays' length of PF No. 2/3 (2 each on both ends) (id : 1689/08-09) CE/OL..	44.49
88	Tirur – Upgradation of passenger amenities and facilities	99
89	Mangalore Jn. : Provision of CC apron on line of PF No. 1 for a length of 424 m	95.3
90	Palghat – Extension of platforms to accommodate 24-coach trains (4 stations - KTU, PTB, PGI & TA) (id : 611/06-07) CE/OL.	120.86
91	Provision of Galvalume sheet based PF shelters at CLT, CAN & TIR	99
92	Calicut – Development as model station on passenger care.	300
93	Mangalore and Kankanadi – Augmentation of water supply in carriage watering area including over head tank and water treatment plant. (id : 1292/06-07) CE/OL.	81.29
94	Badagara – Provision of (a) 48 m. shelter at CAN end of PF-2, (b) provision of one bay's length each on both PFs near F. O. B. landing (id : 1918/07-08) CE/OL.	37.96
95	Palghat Jn. – Coach guidance system at MAQ, CAN & SA. (id : 1064/05-06) CE/OL	43.5
96	Tirur – Raising of PF No. 2/3 (550 m.) from medium level to high level	86.85
97	Upgradation of passenger amenities in SRR-NIL area (except AAM).. .. .	99
98	Upgradation of passenger amenities at Kannur Station	99
99	Shoranur Jn. : Provision of carriage watering facilities for PF No. 7 (24 coaches) (id : 990/03-04) CE/OL	17.47
100	Kozhikkode – 2nd foot over bridge at Shoranur end connecting platform Nos. 1, 2/3 & 4... .. .	567
101	Upgradation of passenger amenity works at BDJ & TLY	99
102	Palghat and Trivandrum Divisions – Foot over bridges (10 Nos.) (D category stations) PGT Dn. :-(6) Angadipuram, Kannapuram, Nilumbur Road, Nilesishwar, Pallakkad Town, Parappanangadi, TVC Dn. :-(4) Eraniel, Kulithurai, Nanguneri, Neyyatinkara.	331
103	Calicut – Over head tank 90000 litres capacity and provision of one open well 6.1 m. dia 9.00 m. deep. (id : 1281/06-07) CE/OL.	34.21
104	Palghat Dn. – Proposed extension of PF to hold 24 bogies at KNKD and VLI (id : 1295/06-07) CE/OL	49.07
105	Karakad, Bekal Fort, Vallikunnu & Trikarapur - Foot Over Bridge	286
106	Nileswar : Provision of Foot Over Bridge (22 m. long x 3 m. wide) (id : 1691/08-09) CE/OL	75.3
107	Palghat Division – Extension of platform to hold 24 bogies (3 stations - TLY, QLD, KPQ) (id : 431/PB08-09) CE/OL ..	95.9
108	PGT Divn. : Provision of purified drinking water to stations through water treatment systems	48.8
109	Shoranur – Improvements to water supply arrangements to station and platform at Shoranur Jn. including replacing of distribution pipes in SRR yard.	99.99
110	Calicut – Provision of CC apron on line of PF No. 3 for a length of 540 m.	65
111	Charavattur & Quilandi – Proposed roof covering of F. O. B.	13.45
112	Ernakulam Jn. – Provision of Shelter in PF 4 & 5	74
113	Karunagapalli – Provision of Shelter in PF 1, 2	36
114	Nanguneri & Aralvaymoli – Provision of waiting rooms (id : 1698/08-09) CE/OL	49
115	Ernakulam Jn. : Paving of platform No. 2/3 with kota stone or similar flooring (id : 1695/08-09) CE/OL	49
116	Tiruvananthapuram Coaching Depot : Provision of carriage watering arrangement between Road No. 12 & 13 (id : 1691/08-09) CE/OL.	36.5
117	Alleppey, Shertalai & Turavur – Improvement to passenger amenities	370
118	Valliyur & Kulitturai – waiting rooms	83

Sl. No.	Name of Work	Cost in Lakhs
119	Kulitturai – Provision of Shelter 64 m. each in PF 1 and PF 2	72
120	Trivandrum Division – Extension of PF No. 1 at AMVa, VRLR, SUCH, THX, NPK, KZTW, SGLM & MP to accommodate the longest stopping trains (id : 1961/07–08) CE/OL.	49.5
121	Trivandrum Division – Extension of platforms to hold 24 bogies (3 stations) (id : 1963/07–08) CE/OL	200
122	Chengannur : Re-roofing of station building and provision of VRR (id : 999/03–04) CE/OL	19
123	Alwaye – Provision of a new Upper class Waiting room and shifting of PRS centre (id : 1947/07–08) CE/OL.. ..	49.5
124	Chengannur : Provision of VIP lounge, upper class waiting room, SMR's room and raising of platform No. 2 & 3 (id : 1302/08–09).	49.5
125	Nagercoil Jn. – Provision of shelter for a length of 32 m. – 4 Nos. – one each end of PF No. 1 & 2 for AC coaches (id : 1954/07–08) CE/OL.	46.5
126	Trichur & Nagercoil – Model stations – Provision of additional waiting-rooms (id : 1957/07–08) CE/OL	49
127	Trichur – Provision of second entry for Passengers on Goods Shed side by providing extension to F. O. B. & Booking counters (id : 1956/03–04) CE/OL.	49
128	Ernakulam Town – Additional shelter for a length of 64 m. over PF stalls	40
129	Trivandrum Dn. – Emergency lights for all PF at NCJ, TVC, QLN, KTYM, ERS ERN, AWY & TCR (id : 1959/07–08), CE..	49
130	Ernakulam Town & Kayankulam – Model stations – Provision of additional waiting rooms (id : 1950/07–08) CE/OL ..	49
131	Guruvayur – Water supply arrangement, replacement of defective pipe lines.. .. .	56
132	Trivandrum Division – Extension of platform No. 1 at VE, 1 & 2 at KXP, 1 & 2 at EVA, 1 & 2 at KFI, 1 & 2 at PGZ, 1 & 2 at IRP. (id : 1962/07–08), CE/OL.	49.9
133	Tripunittura – Provision of Shelter 64 m each in PF 1 and PF 2	74
134	Trivandrum Division – Improvements to circulating area lighting at IJK, WKI, CKI, AFK, CGY, HAD, AMPA, SRTL, NVLK, PVU, CRY, KVV, NYY, KZT & VLY stations (id : 1958/07–08), CEE.	49
135	Thiruvananthapuram Division – Raising/extension of platforms (17 stations)	1431
136	Nagercoil Jn. : Provision of carriage watering arrangements between road No. 8 & 9 for rake maintenance in pit line No. 1 (Road No. 9) (id : 1697/08–09), CE/OL.	26.5
137	Chalakudi – Water supply arrangement – Provision of OHT.. .. .	68.5
138	Aluva – Provision of Shelter 64 m each in PF 1, 2 & 3	74
139	Trivandrum Division : Provision of PF shelter for a length of 32 m each at VLY, AAY, ERL & NEM (id : 1970/07–08), CE/OL	42
140	Mayyanad – Provision of foot over bridge (id : 1970/07–08), CE/OL	45
141	TVC Divin. : Provision of purified drinking water to stations through water treatment system	20
142	Varkala, Paravur & Quilon Jn. – Improvement to passenger amenities	300
143	Trivandrum Division – Provision of 32 m each of platform shelter for AC coaches at 6 locations, viz. KYJ, TRVL, CGY, TRTR (id : 1965/07–08), CE/OL.	49
144	Kayankulam – Upgradation of amenities as model station (id : 1951/07–08), CE/OL	205
145	Chengannur – Pilgrim complex, Developing low lying area near RPF station	95
146	Trivandrum Division – Construction of second booking office near parcel office for shifting the existing booking office (id : 1308 /06-07), CE/OL	49.75
147	Munroturuttu – Proposed rebuilding station building	49.5
148	Nagercoil Jn. Alleppey, Trichur, Ernakulam Jn. & Ernakulam Town – Upgradation of model stations	600
149	Trivandrum Division – Provision of recommended level of platform shelter at PAsA, NYY, MQO, CHPD (id : 1966/07–08), CE/OL	49.5
150	Provision of Shelter in PF 2 & 3, at PVU and PF 1 and PF 2 at CRY	74
151	Trivandrum Division – Provision of passenger enquiry terminals (touch screen) at NNN, AAY, VARD, CHTS, PUK, KLML & additional terminals at CAPE, NCJ, TVC, ERS, ALLP, KTYM & TCR (id : 1967/07–08), CSTE/OL	40
152	Thiruvananthapuram coaching depot : Provision of carriage watering arrangement between Road No. 14 & 15 for platform turn round attention (id : 1700/08–09), CE/OL	26.5
153	Trivandrum Division : Provision of PF shelter for a length of 32 m each for A/C coaches at AFK, CKI, IJK & GUV – (id : 1969/07/08), CE/OL.	46

Sl. No.	Name of Work	Cost in Lakhs
154	Kanniyakumari & Nagercoil Jn. – Surfacing of Platform PF 1 at Cape and PF 2 & 3 at NCJ with vacuum dewatered concrete to facilitate mechanized cleaning	92.5
155	TVC Dn : Provision of FOB at KCVL connecting PFs, main entry & second entry.	248
156	Ernakulam Jn. – Raising of PF 4/5 from medium to high level	77.5
157	TPJ Divn. : Provision of Toilet facilities at various stations between Mayiladuthurai Jn. – Kumbakonam section and improvements to circulating area of KTM station.	31.5
158	Tiruchchirappalli Jn. – Improvement to approach road from Railway Institute end to Parcel Office leading to station building.	68.5
159	Tiruchchirappalli Jn. – Improvement to Yard drainage with collection well and pumping arrangements at MDU end. Renewal of carriage side filling hydrants for road no. 1, 3, 4 and provision of dedicated water main for station as per works manual (id. 1702/0)	49.3
160	Virudhachalam – Upgradation and beautification of passenger amenities (id : 1325/06-07) CE/OL	49.9
161	Ariyalur : Raising of PF (island) and alteration to existing station building (id : OT 3/06-07) CE/OL	47.42
162	TPJ Divn. : Provision of purified drinking water to stations through water treatment systems	20
163	Villianur (Halt) – Provision of HL Platform, Halt station Building and Toilets	33.5
164	Tiruverumbur : Provision of F. O. B. connecting station building and BG platform (id : 1087/05-06) CE/OL	29.5
165	Ponmalai : Touch & feel concept – Reconstruction of cracked station building and laying station approach (id : 1974/07-08) CE/OL.	46.72
166	Thanjavur – Extension of F. O. B. to PF 1 (id : 1975/07-08) CE/OL	40
167	Tiruchchirappalli Jn. : Provision of PF shelter at 6 bays on PF No. 2 and 3 at GOC end (id : 1983/07-08) CE/OL	42
168	Thanjavur & Villupuram – Upgradation as model stations (id : 1977/07-08) CE/OL	100
169	Ariyalur – Augmentation of potable water supply by providing one infiltration gallery, renewal of pumping main 150 mm. dia for (id : 1081/05-06) CE/OL.	28.5
170	Chidambaran – Reconstruction of cracked station building (id : 435/PB 02-03) CE/OL	67.13
171	Tiruchchirappalli Jn. – Provision of Platform shelter at PF No. 1A, 2 & 3 (id : 1984/07-08) CE/OL	42
172	Villupuram Jn. – Improvements to passenger amenities under touch and feel items (id : 1985/07-08) CE/OL.. .. .	48.76
173	Tiruchchirappalli – Improvements to parcel offices at KMU, PDY, MV & TVR (id : 1979/06-07) CE/OL	49.64
174	Vridhachalam Jn. – Provision of high PF for PF No. 2 (id : 1986/07-08) CE/OL	48.34
175	Nagappattinam – Touch and feel concept – Improvements to concourse, station building and circulating area (id : 1971/07-08) CE/OL.	44.53
176	Thanjavur Jn. – Extension and raising of PF No. 1 for 24 coach length (id : 1978/07-08) CE/OL	49.77
177	Tiruchchirappalli and Madurai Divisions – Foot Over Bridges (8 Nos.) (D Category stations). Pattukottai, Srirangam, Tiruverumbur, Pudukottai, Rameswaram, Rajapalayam, Sattur, Udumalai pettai.	264.88
178	Villupuram – Rebuilding of station building, waiting hall, platform shelter & improvements to circulating area	194.94
179	Puducherry – Provision of IRS type PF shelter in 3 bays at PF 1 at VM end, 2 bays on PF 2 and raising and imp-rovements to surface.	84.7
180	Tiruchchirappalli and Madurai Divisions – Raising of rail and medium level platforms to high level (B category - 19 stations). B. - Category stations - Kumbakonam, Mayiladuthurai & Tenkasi. D Category stations - Nagapattinam, Nagore.	1320
181	Thanjavur – Proposed CC apron at Platform No. 3 (id : 2001/07-08) CE/OL	60
182	Madurai Jn. – Second entry – Remodelling of booking counter, PRS, approach road, etc (id : 2001/07-08) CE/OL	48.34
183	Tuticorin Station : Provision of passenger shelter for 6 bays in PF No. 2 & 3 (id : 1710/08-09) CE/OL	42.33
184	Rameswaram – Construction of Ticket Examiners' Rest Room with 12 beds in cubicle partition, study room, kitchen etc.	25
185	Madurai Junction : Proposeed CC apron in one platform	65

Sl. No.	Name of Work	Cost in Lakhs
186	Tuticorin : Remodelling of station building and provision of greeneries in circulating area (id : 1335/06-07) CE/OL ..	49.5
187	Rameswaram – Provision of new Second Class Waiting Hall and VRR cum dining hall	80
188	Madurai Division – Provision of purified drinking water in all modern stations in MDU division two Nos. in each station (MDU, DG, VPT, KKDI, RMM, TEN, TN, PLNI, TSI).	40
189	Madurai Jn. – Proposed relocation of Cloak room and information centre to augment additional width of PF 1 (id : 1705/08-09) CE/OL.	20.6
190	Madurai Division – SVKS, TN, CVP, KDU, TDN, TSI : Pro. of 6 bays of Passenger shelter in each stations	87.96
191	Tirunelveli Jn. : Provision of passenger shelter for 6 bays in PF No. 2 & 3 (id : 1709/08-09) CE/OL	43.48
192	Kovilpatti : Remodelling of station building and provision of greeneries in circulating area (id : 1328/06-07) CE/OL ..	49.5
193	Madurai Jn. – Reconstruction of RPF Escort Room and dormitory to augment space for the widening of PF 1 (id : 1707/08-09) CE/OL.	32.08
194	Madurai Division – TPJ-DG-MDU Sec. Provision of low level shelters 4 bays each at stations KLS, AYR, VPJ, VDM and TMP and 5 bays each at stations ABI, KQN, VDP, SER.	96.9
195	Madurai Jn. : Extension of concourse to accommodate additional passenger amenities (id : 1999/07-08) CE/OL ..	49.75
196	Madurai – Augmentation of water supply by waterhead works at Vaigai river-bed near Sholavandan	884
197	Kovilpatti – Provision of vacuum dewatered concrete including granite flooring on PF No. 1 (id : 1993/07-08) CE/OL..	34.9
198	Madurai Division – Construction TPJ-MNM Section : Provision of light weight shelters 4 bays each at 8 stations ..	76.24
199	Madurai Jn. – Construction of new Parcel Office complex (id : 1995/07-08) CE/OL	48
200	Madurai Jn. : Replacement of damaged jackarch roof by RCC roof and remodelling the VRR building (id : 1064/05-06) CE/OL.	21.18
201	Rameswaram Station – Improvements to circulating area by resitting structures, Construction of waiting room, etc. to make it as a model station (id : 1064/05-06) CE/OL.	45.5
202	Dindigul Jn. – Provision of vacuum dewatered concrete including granite flooring on PF No. 1 & 2 (id : 1988/07-08) CE/OL.	45
203	Tirunelveli Jn. – Provision of vacuum dewatered concrete flooring on PF No. 3.. .. .	75
204	Kovilpatti Station : Provision of passenger shelter for 6 bays in PF No. 1 and 6 bays in PF No. 2 & 3 (id : 1708/08-09) CE/OL.	40.25
205	Madurai Jn. – Remodelling of station building and provision of greeneries in circulating area (id : 1329/06-07) CE/OL..	49.95
206	Madurai Jn. – Proposed passenger amenity work such as waiting hall, spacious concourse, toilet facility in Western entry (id : 2000/07-08) CE/OL.	49.61
207	Madurai Jn. – Provision of standard signages at TEN, TN, DG, VPT, CVP and remaining platforms at MDU (id : 1332/06-07) CE/OL.	49.92
208	Madurai Jn. – Proposed CC apron to platform line at PF No. 3	81.61
209	Madurai Jn. – Construction of Airconditioned passenger waiting hall at PF No. 1 (id : 1704/08-09) CE/OL	30.05
210	Rajapalayam – Provision of FOB (id : 1333/06-07) CE/OL	45
211	Madurai Jn. – Escalators at platform Nos. 1, 2, 3, & 8 (3 Nos.)	452.04
212	Dindigul, Kovilpatti & Virudunagar – Upgradation as model stations (id : 1989/07-08) CE/OL	150
213	Virudunagar – Remodelling of station building and provision of greeneries in circulating area (id : 1336/06-07) CE/OL..	49.75
	Total ..	25,373.92

9. Expenditure incurred on Passenger and Other Railway Users' amenities 2009-2010

(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 Computeri- sation	Other Plan heads like New Lines, Doubling etc.	Total
A. Basic Amenities—				
1. Proper booking arrangements.. ..	261	0	0	261
2. Waiting Hall	334	0	0	334
3. Benches	67	0	0	67
4. Suitable arrangements for Electric Lighting	146	0	0	146
5. Drinking water supply arrangements at stations	150	0	0	150
5(a) Drinking water supply arrangements in the trains	1	0	0	1
6. Platform with well maintained surface (Rail level platforms at flag stations)	527	0	0	527
7. Latrines	40	0	0	40
8. Shady trees	0	0	0	0
B. Additional facilities—				
1. Urinals	15	0	0	15
2. Platform Covers	1579	0	0	1579
3. Bath facilities	36	0	0	36
4. Water Coolers	37	0	0	37
5. Foot Over Bridges or Subways	383	0	0	383
6. Washable Aprons	34	0	0	34
7. Retiring Rooms & Rail Yatri Niwas	66	0	0	66
8. Refreshment Rooms, Base kitchens and Trolleys/Stalls for Catering & Vending.	62	0	0	62
9. Improved lighting and fans on platforms	142	0	0	142
10. Enquiry Offices, Train indicator Boards	766	0	0	766
11. Reservation Offices—Computerised Reservation	14	1167	0	1181
12. Improvements to circulating area	804	0	0	804
13. Car, Tonga, Cycle stands	36	0	0	36
14. C. C., TV	0	0	0	0
15. Cushioning of Second Class Berths	0	0	0	0
16. Renovation/Remodelling of station buildings	489	0	0	489
17. Carriage Watering	40	0	0	40
18. Book Stalls	0	0	0	0
19. Raising, lengthening, widening and resurfacing of platforms	1286	0	0	1266
20. Public address system	31	0	0	31
21. Exhibition of Time-Table sheets on Glass Fronted Frames.. ..	44	0	0	44
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.	87	0	0	87
23. Improved latrines	9	0	0	9
24. Miscellaneous improvements to existing amenities, viz., provision of seats, hedges, etc.,	526	0	0	526
C. Other Railway Users' amenities (for Goods sheds and Parcel Offices)—				
1. Arrangements for drinking water including water coolers, water trollies etc.,	37	0	0	37
2. Waiting accommodation	7	0	0	7
3. Refreshment Rooms & Vendors Stalls	0	0	0	0
4. Latrines	0	0	0	0
5. Miscellaneous arrangements like provision of seats, hedges & shady trees	3	0	0	3
6. Lighting arrangements and provision of fans	24	0	0	24
7. Rest shelters for licensed porters	11	0	0	11
Grand Total	8073	1167	0	9240

Statement of Actual Expenditure under Amenities for Staff for the year 2009-2010

Sl. No.	Description	(Figures in Thousands of ₹)		
		Gross	Credit	Net
1.	New Hospitals, Dispensaries, additions and improvements to existing ones	1,09,300	54	1,09,300
2.	New Schools, additions, alterations, improvements & additions to Existing ones.	1,098	0	1,098
3.	New Institutions, rest houses, sports grounds, reading rooms, Improvements & additions to existing ones.	13,828	0	13,828
4.	Provision and improvement of health and welfare works & maternity centres.	4,244	0	4,244
5.	Cooking arrangements for workshops canteens & rest houses for workmen.	635	0	535
6.	Provision and improvements of sanitation, water supply, road lighting and marketing facilities in Railway colonies.	39,021	0	39,021
7.	Improvements Alterations to Existing quarters whatever type ..	15,088	0	15,088
8.	Others Works	3,832	0	3,832
9.	Total Col. 1 to 8 (Staff Amenities)	1,86,944	0	1,86,944
10.	Provision for Officers' Quarters	37,429	5,072	32,357
11.	Quarters for Class III Staff	1,45,093	9,627	1,35,466
12.	Quarters for Class IV Staff	24,173	0	24,173
13.	Total Col. 10 to 12 (Staff Quarters)	2,06,695	14,699	1,91,996
14.	Total Col. 9 +13	3,93,639	14,699	3,78,940
15.	Medical Expenses — J 200	12,46,811	0	12,46,811
16.	Health and welfare services — J 300	2,77,016	0	2,77,016
17.	Education — J 100.. .. .	4,04,834	0	4,04,834
18.	Canteen and other staff amenities — J 400	59,277	0	59,277
19.	Staff Training — K 500	2,92,495	0	2,92,495
20.	Total Col. 15 to 19	22,80,433	0	22,80,433
21.	Grand Total Col. 14 + 20	28,74,072	14,699	26,59,373

10. Improvements carried out in the lower class carriages are furnished below :—

2 Nos. single seater have been exclusively provided for physically challenged passenger with hand rails in all GS type coaches.

11. Passenger Traffic—

Opened/Closed

No. of stations open for traffic :

No. of City/Town Booking Offices Nil

No. of City/Town Booking Agencies 2

No. of Out Agencies. 13

No. of Street Collection and Delivery services (pertains to Dy. CCM/FM)

Opened/Closed

12. No. of stations open for traffic :

No. of City/Town Booking Offices Nil

No. of City/Town Booking Agencies Nil

No. of Out Agencies Nil

No. of Street Collection and Delivery services(pertains to Dy. CCM/FM)

13. Train Halts

(i) Train halts converted in to flag/Block stations.. Nil
During the year

(ii) Stations opened/closed for traffic Nil

(iii) Block stations downgraded into flag/train halts Nil

- (iv) Train halts closed for passenger traffic .. 1
Nathapettai Train halt located between Walajabad & Kanchipuram on CGL-AJJ section in Chennai Division was closed for passenger Traffic with effect from 2-6-2009)
- (v) Train halts opened for passenger traffic .. 1
Nerilicherry (NEC) Train halt located between Pattabiram & Tiruninravur on BBQ-TRL section in Chennai Division has been opened for passenger traffic with effect from 5-2-2010.
- (vi) Train halts re-opened for passenger traffic .. 1
Tondamanpatti Train halt located between Tiruverambur & Solagampatti on TPJ-TJ section in Tiruchchirappalli Division has been re-opened for Passenger traffic with effect from 5-8-2009.
- (vii) Flag stations down graded into train halt .. 1
Acharapakkam (ACK) flag station down graded in to a Train halt located between Melmaruvathur and Thozhupedu on CGL-VM section in Chennai Division for passenger traffic with effect from 5-10-2009.

14. The converted BG Line opened for Passenger / Goods traffic during 2009-10 — Nil

15. Section/Line closed for Passenger traffic—

Section	Division	Date of Closing	Closed for
Dindigul (DG)–Pollachi (POY) Podanur (PTJ) (MG) Section.	MDU	26-5-2009	All description of traffic on account of BG conversion.

Stations closed on PGT-POY-PTJ (MG) Section

1. Dindigul Jn.	(DG)
2. Akkaraipatti	(API)
3. Palakkanuthu H.	(PLKN)
4. Oddanchatram	(ODC)
5. Chatrappatti	(CHPT)
6. Palani	(PLNI)
7. Pushpattur	(PPTR)
8. Maivadi Road	(MVRD)
9. Udumalaipettai	(UDT)
10. Gomangalam	(GMGM)
11. Pollachi	(POY)
12. Kinattukkadavu	(CNV)
13. Podanur Jn.	(PTJ)

16. Station Opened/Reopened for Goods Traffic During 2009-10

Name of Station	Division	Date of open	Opened for
Tambaram (TBM) (BG)	MAS	8-5-2009	Opened for Automobile traffic for NMG, BCCNR & BCACM wagons for both inward and outward in Local and through booking.
Chengalpattu (CGL) (BG)	MAS	8-5-2009	Opened for Automobile traffic for NMG, BCCNR & BCACM wagons for both inward and outward in Local and through booking.
Tiruvallur (TRL) (BG)	MAS	8-5-2009	Opened for Automobile traffic for NMG, BCCNR & BCACM wagons for both inward and outward in Local and through booking.
Dindigul (DG) (BG)	MAS	8-5-2009	Opened for Automobile traffic for NMG, BCCNR & BCACM wagons for both inward and outward in Local and through booking.
Tikkotti (TKT) (BG)	MAS	8-5-2009	Opened for Automobile traffic for NMG, BCCNR & BCACM wagons for both inward and outward in Local and through booking.
Ernakulam (ERM) (BG) Marshalling Yard	MAS	8-5-2009	Opened for Automobile traffic for NMG, BCCNR & BCACM wagons for both inward and outward in Local and through booking.
Angamally for Kaladi (AFK) (BG)	TVC	18-5-2009	Full Rake handling point (already opened for Half rake traffic in Inward and Outward in Local and through booking).
Angadipuram (AAM) (BG)	PGT	3-6-2009	Re-opened for handling FCI traffic only in wagon load for inward and outward in Local and through booking.
Nayudupeta (NYP) (BG)	MAS	25-6-2009	Re-opened for outward traffic in wagon load and train load in local and through booking.
Nagore (NCR) (BG)	TPJ	31-7-2009	Opened for outward wagon load and train load in local and through booking as a trial basis.
Karuppur (KPPR) (BG)	SA	8-9-2009	Opened for full rake traffic for both inward and outward in local and through booking. (Road 6)
Elavur (ELR) (BG)	MAS	20-10-2009	Opened for inward traffic in wagon load and train load in local booking on temporary basis for a period of one year as a trial measure.
Madukara (MDKI) (BG)	PGT	21-12-2009	Opened for Military traffic for both inward and outward in local and through booking on temporary basis.
Doravarichattiram (DVR) (BG)	MAS	18-2-2010	Opened for wagon load for both inward and outward in local and through booking as a trial measure for a period of six months.
Pudukkottai (PDKT) (BG)	MDU	29-3-2010	Opened for train load traffic for both inward and outward in local and through traffic.

17. Station Closed for Goods Traffic During 2009–10

Name of Station	Division	Date of Closing	Closed for
Cauvery (CV) BG	SA	15-4-2009	Closed for inward coal traffic in wagon load and train load in local and through booking.
Royapuram (RPM) BG	MAS	8-5-2009	Closed for Automobile traffic for NMG, BCCNR & BCACM and BCACM wagons for both inward and outward in Local and through booking.
Kalamasseri (KLMR) BG	TVC	8-5-2009	Closed for Automobile traffic for NMG, BCCNR & BCACM and BCACM wagons for both inward and outward in Local and through booking.
Vilupuram Goods Shed	TPJ	18-5-2009	Closed for all description of traffic except for departmental PLO and RMC traffic.

18. Siding opened for goods traffic during 2009–10

Sl. No.	Name of siding	Serving Station	Type of siding and Gauge	Date of Opening	Reamrks
1.	Adani Agri Logistics Ltd. Siding	Elavur	Private (BG)	18-5-2009	With effect from 12-7-2010 this siding is declared open as an Independent booking point.
2.	Karaikal Port Private Ltd. Siding.	Nagore	Private (BG)	20-1-2010	Independent booking point.
3.	CONCOR Private Ltd. Siding	Irugur	Private	16-3-2010	—

II. Siding closed for goods traffic during 2009–10

Sl. No.	Name of siding	Serving Station	Type of siding and Gauge	Date of Opening	Reamrks
Nil					



XIV. 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 Railway. 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 thresh-old levels. The trend of consequential accidents for the last 5 years is given below :—

2005-06	2006-07	2007-08	2008-09	2009-10
9	16	12	9	4

The Indian Railways Corporate Safety Plan has laid down a target for bringing down the number of accidents per million train kilometre to 0.17 by the year 2013. The trend of the index for the past five years on Southern Railway is as follows :—

2005-06	2006-07	2007-08	2008-09	2009-10
0.150	0.240	0.195	0.141	0.061

The Category-wise break-up of consequential train accidents for the past five years given below :—

Type of accidents	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010
Collision	0	0	0	1	1
Derailment					
a) At stations	2	3	2	2	0
b) In mid-section.	1	1	2	1	2
LC accidents					
a) Manned	0	0	0	0	0
b) Unmanned	4	11	6	5	1
Fire in trains	1	0	1	0	0
Miscellaneous	1	1	1	0	0
Total	9	16	12	9	4

There is a considerable reduction in number of consequential accidents at about 55.56 per cent during 2009-10 when compared to the previous year 2008-09.

(b) Indicative Accidents

The number of indicative accidents shows a remarkable improvement during 2009-10, over the past five years. The trend of indicative accidents with category-wise break-up for the last 5 years is given below :—

Type of accidents	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010
Averted collision.	1	1	1	0	0
Train passing signal at danger.	3	2	3	3	2
Breach of block rules.	1	2	1	0	0
Total	5	5	5	3	2

SAFETY MEASURES

With the accent on maximizing the usage of existing assets for improving the loading, safety assumes prime importance. Corporate Safety Plan 2003-2013 provides 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 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 2009. 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 2009 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 Technical Training Schools at Avadi (Electrical), Podanur (S&T), Tambaram (Civil Engineering) and Golden Rock (Mechanical & Diesel). 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 2009–2010, thirty nine safety drives were conducted. These include twenty three special drives ordered by Railway Board.
- 6) **Safety Camps** are organized to inculcate Safety Awareness amongst staff and to discuss day-to-day practical problems and exchange views in a free atmosphere. During 2009–10, one hundred twenty such Safety Camps were conducted.
- 7) 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 2009–10, thirteen persons were given the "Man of the Month" award.

- 8) To improve the knowledge of staff, booklets, folders and pamphlets are printed and distributed to the staff. During 2009–10, seventy three safety posters, fourteen hand bills, thirteen stickers, eight folders, nine booklets and seven pamphlets 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 educated through inter-action and display of safety posters at Village Panchayat Offices etc., by distributing hand outs at retail outlets of Hindustan Petroleum Corporation, Indian Oil Corporation and Bharat Petroleum Corporation and through display of cinema slides.
- + Action is being taken to educate the road users on the importance of strictly following Motor Vehicle Act provisions at unmanned level crossings through publicity campaigns. These are in the form of short films, slides in cinema halls, local cable TV networks, etc. campaigns in schools, fairs and other areas like weekly markets where public gather, safety pamphlets/hand-bills and conducting street dramas. Short documentary films on the precautions to be observed while crossing unmanned level crossings were shot with famous film stars Mr. Mohanlal for Kerala area and Mr. Sathyaraj for Tamil Nadu area. These are being exhibited at Railway stations and place of public interest at frequent intervals.
- + Special efforts are being made frequently to educate road users about the precautions to be taken while crossing the unmanned level crossings through "SMS" to all mobile users of Airtel & BSNL in Kerala and Tamil Nadu.
- + Tiruchchirappalli and Chennai Divisions have a group of staff trained to perform street plays for carrying the safety messages to the masses.
- + Advertisements are carried in daily new papers appealing to public not to carry inflammable articles, not to light fires inside the coaches, avoid footboard travel, safety at unmanned level crossing, etc.

With a view to bring into focus various safety related aspects and also to involve all levels of staff in the effort to improve safety, an **Annual Safety Week** was observed from 27th February 2010 to 05th March 2010. The following were the highlights of the Safety week :—

- + A safety Marathon of 8 Km. was organized by Madurai division as the inaugural of Safety week to propagate the safety rules to be observed by public at unmanned level crossings. An exhibition was also organised at the Arasaradi ground with number of stalls from all departments of the Fire Service, Ambulance (No.108) explaining the safety rules for public safety. Safety measures for public was sent through SMS by Air-Tel, Air-Cell and BSNL.

- + Safety Seminars at Headquarters office and Zonal Railway Training Institute, Tiruchchirappalli focusing on various safety related issues were presented by eminent retired and serving railway officers.
- + Competitions on Safety related topics such as Essay, Poster designing, Quiz, Drama, Paper presentation and Ex-tempore speech were held during that period.
- + Prizes for the winners of various competitions and an overall shield were presented at a colorful valedictory function.

At divisional level, various functions and propaganda campaigns are organized to highlight the importance of Railway safety. These activities include street dramas, folk dances, etc., as a medium to take the message to the masses, de-addiction awareness programs, special seminar on "Stress Management" with officers and supervisors to enhance their efficiency and safety consciousness. Trade fairs organized by State Governments and other organisations give yet another opportunity to have direct contact with the public.

(E) Other Safety Activities

(i) A Safety calendar for 2010 was printed and distributed during January 2010. The details of Programmed Safety Drives to be conducted every month get highlighted in the Safety Calendar.

(ii) Four issues of Quarterly Safety Bulletin "SUJOG" were printed and distributed to all concerned during the year.

(iii) A gazette extra ordinary was published and distributed to all divisions in connection with prevention of carriage of inflammable articles during Deepavali season.

(iv) In order to recognise safety consciousness of the staff and good work done in the field of Safety during 2009-10, 156 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 2010.

I. (a) Accidents involving Casualties during 2009-10

(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	T.No.MT-3 rake, which was standing on PF No.14 started without Motorman and Guard and ran through and collided with T.No. 350 POH/ Pilot which was coming on up slow line at Veyasarpadi Jeeva station.	1	2	1	0	0	0	3	4	5

(b) Details of Accidents Involving Casualties During 2009-10 Due to Negligence of Road Users

Sl. No.	Brief Details	Killed	Injured	
			Grievous	Minor
1	T.No.784 Sengottai -Madurai Passenger was on run between Kalligudi and Tirumangalam stations, one JCB dashed against the TE at Unmanned LC No.379 at km 513/400-500	1	0	1

II. Accidents Statistics - Details

No. of train accidents classified under principal heads which occurred on this Railway (excluding Workshops) during the year 2008-09 and 2009-10 :-

Sl. No.	Particulars	2008-09	2009-10
1	a. Collision involving passenger trains	1	1
	b. Collision involving other than passenger trains.	0	0
2	a. Derailments involving passenger trains.	3	2
	b. Derailments involving other than passenger trains except train wrecking.	0	0
3	Derailments due to train wrecking	0	0
4	Trains running into road traffic at LCs	5	1
5	Fire in trains	0	0
	TOTAL ITEMS (1 to 5)	9	4
6	Failure of coupling and draft gear		
	a. Passenger	0	0
	b. Goods	0	0
	c. Other failure of Rolling Stock	0	0
	d. Other failure of P. Way	0	0
7	Attempted train wrecking	0	0
8	Train running over cattle	0	0
9	Train running over obstruction	0	0
	TOTAL ITEMS (6 to 9)	0	0
	GRAND TOTAL (1 to 9)	9	4
10	No. of persons killed :		
	No. of Railway Servants in workshops	0	0
11	Accidents on the Railway		
	a. Passengers	0	0
	b. Railway Staff	0	1
	c. Other than Passengers & Railway Staff.	5	4
	Total other than Workshop	5	5
12	No. of person injured		
	No. of Railway servants in workshops	0	0
13	Accidents on Railways	-	-
	a. Passengers	5	0
	b. Railway Staff	1	3
	c. Otherthan Passengers & Railway Staff	5	9
	Total (10 to 13)	11	17

III. (a) Comparative Figures of Consequential Train Accidents attributed to failure of Human Element for the Last 5 years.

Sl. No.	Category	2005-06	2006-07	2007-08	2008-09	2009-10
1	Collision	0	0	0	1	0
2	Derailment :					
	(a) At stations	1	1	1	0	0
3	(b) In mid-section LC accidents	1	1	0	0	1
	(a) Manned	0	0	0	0	0
	(b) Unmanned	0	0	0	0	0
4	Fire in trains	0	0	0	0	0
5	Miscellaneous	0	1	0	0	0
	Total	2	3	1	1	1

(b) Comparative Figures of Indicative Train Accidents attributed to failure of Human Element for the last 5 years.

Sl. No.	Category	2005-06	2006-07	2007-08	2008-09	2009-10
1	Averted Collision	1	1	1	0	0
2	Train Passing Signal at danger.	3	2	3	3	2
3	Breach of Block rules	1	2	1	0	0
	Total	5	5	5	3	2

IV. Train Accidents per million train kilometres on Southern Railway Since 1994-95 to 2009-10

Year	Collision	Derailments	Level crossing accidents	Fire in trains	Misc	Total	Million Train kms.	Incidence of accidents per million train kms.
1994-95	3	31	27	1	..	62	60.22	1.029
1995-96	3	35	14	..	..	52	63.27	0.822
1996-97	..	29	11	..	..	40	64.20	0.623
1997-98	2	53	10	1	..	66	65.73	1.004
1998-99	1	50	7	1	..	59	64.83	0.910
1999-00	3	37	7	1	..	48	67.07	0.715
2000-01	2	33	7	1	..	43	68.39	0.628
2001-02	2	23	10	..	..	35	68.80	0.508
2002-03	1	17	8	..	..	26	69.75	0.372
2003-04	..	16	6	2	..	24	59.46	0.403
2004-05	..	2	3	1	2	8	58.63	0.136
2005-06	..	3	4	1	1	9	59.79	0.150
2006-07	..	4	11	..	1	16	60.50	0.240
2007-08	..	4	6	1	1	12	61.62	0.195
2008-09	1	3	5	0	0	9	63.63	0.141
2009-10	1	2	2	0	0	4	65.03	0.061

V. Comparative details of Inspections, surprise checks, mock drills, etc. on Southern Railway Since 2006-07 to 2009-10

Sl. No.	Details of Inspections	2006-07	2007-08	2008-09	2009-10
1	No. of inspections at station	19,198	17,630	19,759	21,455
2	No. of inspections at Yard	5,011	5,267	7,184	8,253
3	No. of Motor Trolley inspection	600	1,014	1,443	1,507
4	No. of footplate inspection	27,259	25,326	25,575	25,550
5	No. of station working order checked	2,759	2,202	3,438	4,568
6	No. of surprise check	6,249	5,278	6,807	10,555
7	No. of ambush checks conducted at LC in co-ordination with Civil authorities.	4,226	3,189	4,952	4,955
8	No. of Mock drills conducted	10	10	11	12
9	No. of Safety meeting, talks, group discussions	4,015	4,764	5,406	4,710
10	No. of Safety Seminars	160	166	272	338

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 technology and innovations. As part of this exercise five corrections to GRs (Correction Memos Number 1/2009 to 3/2009, 1/2010 and 2/2010) and one Joint operating Circular No. 1/2009 regarding Non-interlocked working were issued.

Training :

Training modifies 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.

The Training details are as follows :

S. No.	Name of the Course	2009-10	
		No. of Courses	No. of Trainees
1	Initial	65	758
2	Promotional	20	500
3	Refresher	174	2,778
4	General	124	2,206
5	Safety camp	120	2,338
TOTAL		503	8,580

Performance Highlights of ZRTI/TPJ

(a) Received the Rajbhasha Rolling Trophy from DRM/TPJ during the 54th Railway Week Celebrations 2009 for the "Best performance in the progressive use of official language".

(b) Shri S. Subramhanyan, DRM/TPJ inaugurated a full fledged "Mess" for the Trainees after almost 22 years.

(c) Annual Safety Week Celebration hosted by Headquarters Safety Organisation on 4th and 5th March 2010. Shri Deepak Kishan, GM/S. Rly. was the chief Guest for the occasion and distributed prizes to the winners of various competitions.

(d) "Best kept extra divisional office (Minor)" Efficiency Shield was presented to ZRTI/TPJ by Shri Deepak Kishan, GM/S. Rly. during the 55th Railway week celebrations held on 13th April 2010 MAS.

Safety Seminars and Safety Drives :

(1) A Safety Drive to "Prevent accident on account of non-setting of points against the occupied lines" was ordered on 8th April 2009 for a period of ten days.

(2) A Safety seminar was conducted at Headquarters on 24th April 2009 for Accident Analysis and compiling of suggestions for the proposed revision of GRS.

(3) A Safety Drive was conducted from 11th May 2009 to 20th May 2009 for "Ensuring berthing of trains within the fouling mark".

(4) A Safety Drive was conducted at ED on 15th May 2009 on "Staff not to leave the work spot while on duty".

(5) A Safety Drive was conducted fifteen days from 15th September 2009 for ensuring the prohibition of usage of Mobile Phones by Loco-Pilots and Assistant Loco-Pilots.

(6) A Safety Drive was conducted for a month from 1st October 2009 to 31st October 2009 to check the correctness of the SWR with ground realities at the stations.

(7) A Safety Drive was conducted for 15 days from 25th February 2010 to "Monitor the working of Walkie-Talkie sets".

(8) A Safety Drive was conducted from 26th February 2010 to 31st March 2010 to "Prevent Accidents at Un-manned level crossing gates.

Multi-Disciplinary Safety Team :

As per Board's directive vide their D.O. No. 2009/Safety-1/2/2 dated 24th July 2009, a multi-disciplinary Safety Team was formed in this Railway in all divisions and CPTM was nominated as Chairman and in-charge of MAS Division.



XV. SECURITY ARRANGEMENTS

GENERAL:

RPF/Southern Railway has been consistently 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.

(I) Preventive measures:

The following highlights are the preventive measures taken by RPF in co-ordination with GRP in combating crime against travelling public.

(1) RPF Crime Prevention and Detection Squad (CPDS) over this Railway to keep surveillance on the criminals and to prevent passenger related offences.

(2) Special teams (Drugging Cell) at Divisional level have been formed exclusively to workout / detect the Drugging offences.

(3) Special Drives conducted against carrying of explosive and inflammable articles was conducted during Deepavali festival season.

(4) Similarly, 180 Mail/Express trains are being escorted by GRP daily.

(5) Small albums containing the photographs of wanted criminals are provided to the RPF staff on train escort duties.

(6) Video coverage is done in general coaches to create moral fear among the anti-social elements at important / affected stations.

(7) Feedback forms with questionnaire on security related problems are being circulated to the passengers and their feedbacks are being obtained on security related problems faced by them during their rail journey in order to take remedial measures.

(8) DFMD and HHMD are being utilized to check the passengers at the time of entry at important stations whenever required.

(9) CCTVs are provided at Chennai Central, Chennai Egmore, Tambaram, Katpadi, Madurai, Calicut, Trivandrum Central, Ernakulam, Trichur and Coimbatore stations, to keep a watch on anti-social elements. More stations will be provided with CCTV system in the near future.

(10) Bomb Detection Squads are established at Chennai Central, Arakkonam, Coimbatore and Trivandrum Central. More such squads are being established at major stations during this year.

(11) RPF Dog Squad consisting of Sniffer dogs are functioning at all Divisional HQrs./important stations of this Railway and these dogs have been frequently utilized for anti-sabotage checks.

(12) Integrated Security System is being implemented in 14 important stations of this Railway at a cost of Rs.35.54 Crores to strengthen the security infrastructure for the safety and security of Rail passengers.

II. Achievements made during the year 2009 – 10 :

(a) **Integrated Security System** : Railway Board has accorded sanction for ISS items at an estimated cost of Rs.35.54 Crores for seven stations namely Trivandrum, Ernakulam, Calicut, Mangalore, Madurai, Trichy and Coimbatore and for 7 suburban stations viz., Chennai Central, Chennai Egmore, Chennai Beach, Mambalam, Tambaram, Tiruvallur and Basin Bridge.

❖ **Procured X-ray luggage scanners** at a cost of Rs.72.9 Lakhs were installed at **Chennai Central, Chennai Egmore, Trichy & Trivandrum Central** Railway stations to check the luggage/baggages of passengers.

(b) **BDS Unit** of RPF equipped with essential Bomb Disposal equipments is functioning at Chennai Central, Chennai Egmore, Arakkonam, Coimbatore and Trivandrum to conduct anti-sabotage checks on suspected articles.

(c) **Action against defaulters indulging in train hold ups during Rail Roko by political parties, trade unions, 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 the defaulters are prosecuted under sec. 174 of Railways Act duly obtaining complaints from Railway Depot officials. During the year 2009-10, 87 defaulters were prosecuted u/s 174 Railways Act and a fine amount of Rs.95,500/- was realised from them.

(d) **Bomb threats** : During the year 2009-10, **34** bomb threats to trains / Railway premises were received over Southern Railway through anonymous phone calls / post cards etc., All the threat calls were attended to by RPF promptly and necessary Bandobust arrangements were made in co-ordination with GRP/Local Police including conducting of anti-sabotage checks. All the **34** calls turned out to be hoax.

(e) **Special Bandobust for VVIPs visits/travel on the Railways** : During the year 2009-10, on more than 60 occasions, RPF/S.Rly. arranged elaborate Bandobust to VVIPs during their visit/travel on the Railways and Railway functions like inauguration of Railway stations/lines, flagging off new trains, etc.

(f) **Mock Drill** : In the wake of the prevailing security scenario following the terrorist attack at Mumbai CST Railway station on 26-11-08 Mock Drills were organised in **5 instances** to gauge the level of preparedness of RPF personnel. During all the occasions, the RPF reacted within the minimum response time.

(g) **RPF Mitra Yojana Meeting** : RPF Mitra Yojana is a community policing initiative with an objective of establishing two way communication with the passengers and develop passenger friendly image of RPF apart from getting information pertaining to crime and criminals. In Southern Railway as many as 1,165 RPF Mitras have been enlisted in this Yojana so far. Mitra Yojana meetings are conducted regularly.

(h) **Eviction** : During the year 2009 – 10, on 8 occasions RPF/S.Rly. rendered all assistance including providing of necessary Bandobust arrangements in co-ordination with Local Police/GRP to the Engineering branch in evicting encroachments from the Railway land.

(i) **Meritorious Service by the Officers and staff of RPF/Southern Railway** : During the year 2009, Shri D. Daniel Jason Dhas, Asst. Security Commissioner/ Crime Intelligence Branch/ Hqrs./Southern Railway was awarded with the coveted Indian Police Medal for meritorious service on the eve of Independence Day'2009. Similarly, one GO and 6 other ranks of RPF/S.Rly have been awarded with DG's Insignia for their exemplary service.

(j) Other Good works done by RPF : During the year 2009 –10, RPF staff of S.Rly. have done many notable good works on passenger front. A few notable acts of RPF S.Rly. are tabulated as under:—

Sl.No.	Date	Good Work Done	Place	Action taken
1	18-06-09	Retrieval of a bag containing cash Rs.2.5 lakhs.	In T.No.2602 Mail. at Chennai Central PF.	Handed over to PF Inspector/ Chennai Central.
2	14-06-09	Retrieval of a bag containing Gold ornaments, cash, etc., valued Rs.2 lakhs.	In T.No.2673 Exp. at Coimbatore PF.	Handed over to the owner
3	05-10-09	Establishing of RPF HELP LINE to hear the passenger grievances.	At CSC's Office, Chennai.	Immediate action by the nearest RPF Post/Outpost.
4	22-11-09	Retrieval of one bag containing valuables worth lakhs through CCTV recordings.	Chennai Egmore PF.	Handed over to the owner.
5	18-12-09	Retrieval of pkgs. Containing auto-mobile spares, valued Rs.1 lakh.	In T.No.6042 Exp. at Chennai Central PF.	Handed over to PF Inspector/ Chennai Central.
6	During Sabarimala season	Special Bandobust arrangements.	At Sabarimala belt area.	No untoward incident was reported.

In Chennai Division, 143 incidents, good confiscated worth Rs.7,59,954/- with the arrest of 40 accused and handed over to Customs, PEW, GRP and other departments. RPF staff of Chennai Division rendered medical assistance to 179 passengers and rescued 145 run away children.

On 6 occasions, RPF staff assisted woman passengers who suffered with labour pain during their journey.

In 726 incidents unclaimed articles worth Rs.34,07,643/- were retrieved.

During the special checks against carrying dangerous and contraband items, large quantity of liquor and ganja were recovered by RPF staff of TVC Division. 11 cases were booked and an amount of Rs.4,61,360/- was recovered.

In 11 occasions, RPF staff of TVC Division have recovered an amount of Rs.4,43,360/- which was lost by the passengers in trains and Railway premises and handed over the same to the owners on verification.

(k) Women and Child Assistance Centre : Women and Child Assistance Centre has been established at Trivandrum Central Railway station on 14-11-09.

(III) Crime against passengers:

(1) On an average, 256 Mail / Express and Sub-urban trains are being escorted by RPF staff with a strength of 407 staff on daily basis.

(2) Loud hailers are being used by RPF staff on duty at station platforms to alert the passengers at important stations especially near the general/ladies coaches of the trains on security point of view.

(3) Slides on the Awareness programme are being projected in cinema halls. Broadcasting of Awareness programme through FM channels.

(4) Skit / forum drama is staged by RPF staff on platforms, concourse area of important stations to alert the passengers about theft of passenger belongings and drugging.

(5) Awareness programme is being conducted outside Railway area like Bus stands, Educational institutions, Markets, Cinema theatres, etc. Special pamphlets cautioning the passengers are distributed on platforms / trains.

(6) X-Ray luggage scanner is installed at Chennai Central, Chennai Egmore, Trichy and at Trivandrum Central to check the passenger's baggages.

(7) RPF Mitra Yojana meetings are conducted regularly to cull out information about suspected persons in combating crime against passengers.

(8) RPF Help Line has been established and functioning round the clock at the Zonal Security control Room at CSC's office to receive any complaint/information from the passengers for immediate action. A BSNL phone No.044-25359261 is the Help Line number. BSNL No.044-25358987 and Railway No.20386 are the Fax numbers. Similarly, GRP/Tamilnadu & Kerala are operating Rail Alert System with cell phone numbers 9962500500 and 9846200100 respectively.

(b) **Passenger's Security in trains/passenger area :** Following the amendments made to RPF and Railways Act, RPF/Southern Railway shouldering additional responsibility of security of train passengers apart from protecting and safe guarding of Railway property. In order to ensure the safety of Rail passengers and to make their journey safe and comfort, RPF is deploying on an average 1,150 staff for escorting of trains and for access control duties daily.

(c) **High level Co-ordination Meeting :** Regular High Level Co-ordination Meetings by CSC with GRP chiefs of Tamilnadu, Kerala, Karnataka, Andhra Pradesh & Pondicherry are being conducted to evolve preventive measures on crime against passengers. Such a High Level Co-ordination Meeting was last conducted on 30-04-10 at GM's office in which GM/ Southern Railway was the chair person.

(d) **Awareness Campaign :** In order to create Awareness against the drugging offences and other passenger related crime among the travelling public, RPF/Southern Railway is staging skit/forum drama in an innovative manner before the travelling public at important stations. This is very useful in creating Awareness among the travelling public for taking preventive measures against theft of their baggages and drugging menace.

(e) Passenger Awareness Programmes Conducted :

Sl. No	Programme	2008-09	2009-10
1	Skit/Forum Drama conducted	117	212
2	Meeting with Coolies	500	786
3	Feedback Forms obtained	24,279	36,351
4	Pamphlets Issued	1,31,599	1,88,730
5	Awareness programme out side the Railway premises	314	308
6	Stickers pasted	23,713	34,722
7	FM Channel	13	11
8	Slides projected in cinema hall	142	128
9	Video coverage of GS coaches	463	260
10	Assistance from NGOs/Scouts etc., utilized	15	26
11	Decoy Check conducted	870	924

(IV) Comparison of crime:

The following are the incidents of crime against passengers reported :—

2008 – 09									
Category	Total for S.Rly.			State wise Figures					
				Tamilnadu			Kerala		
	Train	Premises	Total	Train	Premises	Total	Train	Premises	Total
Murder	1	2	3	1	0	1	0	2	2
Dacoity	0	0	0	0	0	0	0	0	0
Robbery	7	12	19	5	10	15	2	2	4
Theft	234	148	382	142	108	250	92	40	132
Chain snatching	42	10	52	36	10	46	6	0	6
Drugging	8	0	8	7	0	7	1	0	1
Molestation	13	1	14	3	1	4	10	0	10
Rape	1	0	1	1	0	1	0	0	0
Crime on women	3	17	20	2	17	19	1	0	1
Other IPC crime	68	164	232	56	132	188	12	32	44
Total	377	354	731	253	278	531	124	76	200

2009 – 10									
Category	Total for S.Rly.			State wise Figures					
				Tamilnadu			Kerala		
	Train	Premises	Total	Train	Premises	Total	Train	Premises	Total
Murder	0	0	0	0	0	0	0	0	0
Dacoity	0	0	0	0	0	0	0	0	0
Robbery	32	17	49	32	16	48	0	1	1
Theft	328	130	458	198	70	268	130	60	190
Chain snatching	29	6	35	14	3	17	15	3	18
Drugging	4	1	5	2	0	2	2	1	3
Molestation	17	4	21	5	1	6	12	3	15
Rape	0	0	0	0	0	0	0	0	0
Crime on women	3	0	3	3	0	3	0	0	0
Other IPC crime	79	161	240	65	119	184	14	42	56
Total	492	319	811	319	209	528	173	110	283

Note :—The increase is due to introduction of more train services during the year and increase in volume of passenger traffic.

V Action taken by RPF against crime on passengers:

During the year 2009-10, a total of 49 criminals (Pick pocketers – 6, Baggage lifters – 21, Chain snatchers – 3 and others 19) involved in passengers' related crime, were arrested by RPF and handed over to concerned GRP for registration of cases.

A part from this, special teams of RPF are formed to workout the reported Theft of Passenger Belonging cases in co-ordination with GRP.

VI. Crime against Railway property :

A number of preventive measures have been taken by RPF/Southern Railway to contain crime against Railway Property and to bring down the incidents of theft/pilferage. As a result of the efforts taken, theft of Railway Property has been kept under control. Figures of incidents of theft of Railway Property, both Booked Consignments and Railway Materials are given below:

(a) Theft of Booked Consignments :

Year	No. of cases		Per-centage	Value of property (in Rs.)		Per-centage	Arrest		
	Rep	Det		Stolen	Received		OS	RE	RPF
2008-09	16	14	88	1,03,505	85,229	82	17	2	0
2009-10	13	7	54	14,11,886	13,71,638	97	20	2	0

(b) Theft of Railway Materials:

Year	No. of cases		Per-centage	Value of property (in Rs.)		Per-centage	Arrest		
	Rep	Det		Stolen	Received		OS	RE	RPF
2008-09	269	254	94	18,12,061	17,05,415	94	458	6	0
2009-10	165	133	81	10,98,087	8,38,393	76	280	5	0

VII. Performance under Railway Property (Unlawful Possession) Act, 1966:

This act is an effective means to control the crime against Railway Property. The surveillance kept over suspects, criminals and successful raids on receivers and criminals by RPF personnel of this Railway, resulted in booking of number of cases with recovery of lakhs of rupees of stolen properties and arrest of several criminals under this Act.

The result achieved under this Act for the year 2008-09 & 2009-10 is appended below in the table:

Year	No. of Cases	Value of property recovered	Arrest OS	RE	RPF
2008-09	574	25.92 Lakhs	859	24	0
2009-10	606	30.54 Lakhs	778	13	0

- ❖ There is marginal increase by 32 cases and value by 4.6 Lakhs in the recovery of property when compared to the previous financial year 2008-09.

VIII. Performance under Railways Act, 1989 :

Relentless drives against anti-social elements who indulge in illegal sales of rail journey tickets, cornering of berths/seats, hawking, begging, trespassers etc., in trains and stations are being conducted by RPF/Southern Railway.

Defaulters are apprehended and prosecuted under the provisions of Railways Act. The result achieved for the year 2008-09 & 2009-10 is appended below in the table:

Year	Persons apprehended	Fine realized in Rupees
2008-09	1,10,819	Rs. 2.10 Crores
2009-10	1,11,522	Rs. 2.36 Crores

- ❖ There is marginal increase of 703 cases when compared to the previous financial year 2008-09.
- ❖ 26 Lakhs increase in fine amount realized when compared to the previous financial year 2008-09.

(a) Results achieved under Important Railways Act sections during the year 2009-10 :

Sl.No.	Offence u/s	No. of persons apprehended	Fine realized
1	Unauthorisedly procuring and selling of rail tickets (142 & 143)	878	Rs. 5,21,600/-
2	Unauthorized Hawking/Vending (144)	22,236	Rs. 50,04,320/-
3	Alarm Chain Pulling (141)	367	Rs. 2,10,350/-
4	Footboard travelling (156)	17,368	Rs. 33,12,970/-
5	Gents travelling in ladies coaches (162)	1,303	Rs. 2,24,200/-
6	Smoking (167)	6,768	Rs. 7,51,150/-

(b) Drive against unauthorized Alarm Chain Pulling affecting punctuality of trains:

During the year 2009-10, 1,631 instances of Alarm Chain Pulling were reported. Of which, 1,224 instances were justified as due to commercial/operational/mechanical/electrical reasons and in 407 unauthorized instances, defaulters were nabbed and 367 offenders were prosecuted u/s 141 RA, 1989 and realized fine amount of Rs.2,10,350/- from them. Remaining 40 defaulters were fined through EFT.

(c) LC Gate Accidents:

During the year 2009-10, 590 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 RA and a sum of **Rs.8,36,450/-** was realized as fine. This a part **Rs.26,45,181/-** was also realised from the owners of the vehicles towards the cost of damage to the L.C. gate components, etc.

(IX) RPF assistance to ticket checking staff :

RPF is providing necessary assistance to Commercial branch in ticket checking. The following are the details of ticketless travellers apprehended and fine amount realised for the year 2008-09 & 2009-10.

Year	RPF staff deployed	No. of ticketless apprehended	Amount of fine realized
2008 - 09	9,486	4,80,737	Rs.13.08 Crores
2009 -10	8,941	4,38,700	Rs.12.72 Crores

(X) RPF Dog Squad :

(a) Southern Railway RPF is the pioneer of forming RPF Dog Squad over the Indian Railways. The Southern Railway Dog Squad was formed in the year 1958 on the pattern of Madras State Police Kennel and later expanded. At present, Southern Railway has 12 Kennels with a total strength of 32 dogs consisting of Labrador, Doberman and German Shepard. 50% of the existing strength of RPF dogs comprise of Sniffer dogs, trained to detect explosive.

(b) **Zonal RPF Dog Training Centre** : is functioning at Podanur with all equipments and infrastructure facility for imparting basic training to sniffer and tracker dogs of Indian Railways. This is first of its kind on Indian Railways and merits as a significant achievement towards modernisation of the Force. So far, 82 sniffer and 25 tracker dogs of various Zonal Railways were trained in this training centre.

(c) **RPF Dog Competition** : Inter Railway RPF Dog competition was organized at Tambaram on 13-11-09 & 14-11-09. Southern Railway dog won the 1st Prize in tracker trade and 3rd Prize in explosive trade.

XI. Welfare Measures:**(a) Inter-action seminars conducted:**

- ❖ Between 63 Junior Judges and RPF Officers on 9-4-09 at Chennai.
- ❖ Seminar on Child Trafficking and Child Labour on 9-12-09 at Chennai.

(b) Parade conducted:

- ❖ Independence Day Parade was conducted at HQrs. Office/S.Rly. on 15-8-09.
- ❖ 25th Silver Jubilee RPF Raising Day Parade was conducted on 25-9-9.
- ❖ Commemoration parade on 21-10-2009.
- ❖ Republic Day Parade was conducted at HQrs. Office/S.Rly. on 26-1-10.
- ❖ RPF contingent took part in the Republic Day Parade conducted at Marina Beach, Chennai and Trivandrum on 26-1-10.

(c) Awareness Programmes conducted:

- ❖ Security Awareness programme for 55 C&W staff was organized at Trichy on 17-4-09.
- ❖ Anti Drugging week and Passenger Facilitation week were organized over S.Rly. during the month of May'09.
- ❖ Special Awareness programme on Drugging and TPB was conducted at Chennai Central on 15-7-09 with the participation of 58 Doctors / Nurses.
- ❖ One month Special drive against Drugging has been launched during the month of October'09 over this Railway as desired by **MS/Railway Board**.

(d) Anti - Sabotage check competition:

- ❖ Inter-divisional anti – sabotage check competition was conducted at Chennai on 6-10-09. Chennai Division won the championship.
- ❖ Inter-railway anti – sabotage check competition was conducted at Chennai on 13-11-09 & 14-11-09. RPF/S.Rly. own the championship.

(II) No. of IPFs trained at JR/RPF Academy/LKO

Sl.No.	Name of the course	Staff trained
1	Seminar on VIP & Passenger Security Management	2
2	Computer Awareness course	3
3	Intelligence Orientation	1
4	Workshop on D&AR	2
5	Course on Explosives, Bomb & IED Awareness	1
6	Training of Trainers	1
7	Yoga & Art of Living	2
8	Workshop on RP(UP) Act & Railways Act	1
9	Capsule Course on Disaster Management	1
10	Vertical Interaction	1
11	Leadership development Programme and Organizational	1
	Total	16

(III) No. of SIPFs/IPFs trained in CDTs courses

Sl.No.	Name of the course	Staff trained
1	Crime scene Investigation – Lifting and packaging of Material	1
2	Investigation of Economic Offences	1
3	Investigation of Improvised Explosive Devices cases	1
4	Human Rights <i>vis-a-vis</i> Crimes against Women	1
5	Investigation of Homicide cases	1
6	Investigation of Improvised Explosive Devices cases	1
7	Custodial Violence and Scientific Inter-rogation	1
8	Investigation of International Crimes	1
9	Investigation of Computer Crimes	1
	Total	9

(IV) Other Courses

Sl.No.	Name of the course	Staff trained
1	3 rd National conference of Women at Panchakula	1
2	Wild life Crime course at Tamilnadu Police Academy, Vandalur, Chennai and CSC/O/MAS	33
3	Advance course on Forensic Science at Punjab Police Academy.	1
4	Investigation on Wild Life Crimes & Scientific Aids to Investigation at CBI, Gaziabad	2
	Total	37

(XIII) Grant of money Reward

Sl.No	Details	Amount (Rs.)
1	Railway Board account under grant No.1	2,00,000
2	Sanctioned by GM/AGM & ADGM	1,75,000
3	Sanctioned by CSC/Dy.CSC & SO	3,62,000
	Total	7,37,000

(XIV) Passenger Facilitation by RPF :

Sl.No	Details	2008-09	2009-10
1	Assistance given to injured passenger on train journey.	246	236
2	Handing over of runaway children	409	446
3	Securing abandoned baggage's	1161	999
4	Seisure of illicit liquor/Ganja etc., in trains.	272.53 Lakhs in 25 instances with the arrest of 7 criminals.	112.312 Lakhs in 25 instances with the arrest of 9 criminals.
5	Value of smuggled Rice seized and handed over to Civil Supply Authorities.	Rs.1.934 Lakhs with the apprehension of 78 criminals.	Rs.2.121 Lakhs with the apprehension of 29 criminals.

XV) Sabotage:

2007-08	-	Nil
2008-09	-	Nil
2009-10	-	One case

Conclusion: RPF/Southern Railway is striving hard to ensure that the passengers travel with full sense of security in its jurisdiction.



**SIXTY YEARS
OF
SUMMARY**

SOUTHERN RAILWAY

Details	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60	1960-61	1961-62
Assets—(As on 31st March)												
Capital-at-charge (Rs. in crores) ..	115.28	115.65	113.05	118.50	124.81	133.02	145.15	160.10	172.60	181.30	189.40	211.20
Total Investment (Rs. in crores) ..	..	..	..	130.00	139.65	152.57	169.26	190.14	209.60	224.62	239.00	262.85
Route Kilometres Electrified 36.08	..	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19
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	9,914.89	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	65.28
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	10,130.27	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	1,308	1,305	1,315	1,337
Rolling Stock—												
Locomotives												
Steam ..	1,410	1,412	1,430	1,395	1,420	1,419	1,501	1,580	1,614	1,662	1,644	1,714
Diesel ..	..	..	..	..	..	..	..	..	..	..	..	..
Electric ..	4	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	3,457	3,657	3,724	3,840
Coaching stock												
Electric Multiple Unit Coaches ..	72	72	72	96	96	96	96	96	96	96	96	96
Rail cars ..	9	9	8	8	18	18	17	29	30	30	30	30
Other coaching vehicles ..	997	1,011	1,022	1,033	1,108	1,101	1,178	1,185	1,212	1,217	1,212	1,381
Wagons ..	24,074	24,429	26,839	28,080	28,895	29,054	31,902	33,470	35,143	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	161.0	165.8	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	25.22	27.02	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	1,578	1,639	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	39.55	39.49	39.04	38.85	39.36
Goods and proportion of mixed ..	18.64	18.56	18.48	17.96	18.60	19.77	20.52	20.67	21.19	22.61	22.87	23.72
Vehicle and wagon kilometres (excluding departmental and brake-vans) (in millions)—												
Vehicle kilometres ..	568	581	581	576	591	597	610	609	616	618	631	644
Wagon kilometres ..	617	617	618	616	644	686	731	762	789	873	888	925
Volume of Traffic—												
Passenger Traffic—												
No. of passengers originating (in millions) ..	272	226	216	205	211	217	225	223	228	237	252	256
Passenger kilometres (in millions) ..	12,151	11,742	10,887	10,032	11,073	10,696	11,191	11,052	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	19.84	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	48.9	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	1.79	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	10.2	10.3	10.7	11.8	12.1
Total traffic ..	11.9	11.3	10.9	11.1	11.4	12.4	13.1	14.6	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	6,636	6,929	7,386	7,755	8,411
Total Traffic ..	5,313	5,243	5,433	5,530	5,879	6,519	6,956	7,509	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	27.1	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	385.5	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	4.08	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	1,964	2,001	2,127	2,187	2,348
Diesel oil (in kilometres) ..	..	..	..	..	..	..	..	403	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	20.88	12.17	11.64	11.04	21.99
Total ..	12.05	11.93	13.13	11.13	16.57	13.35	23.46	29.17	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	52.53	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	52.23	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	0.30	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	0.19	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	96.34	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	5.97	6.65	7.00	7.31	8.29
Payments to States in lieu of tax on Passenger fares ..	..	..	..	..	..	..	..	..	..	..	..	2.12
Surplus (+)/Deficit (—) ..	(+) 5.17	(+) 7.12	N. A.	N. A.	(—) 0.77	(+) 0.08	(—) 0.49	(—) 5.67	(—) 2.93	(—) 1.99	(—) 0.92	(—) 2.32

Details	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
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	719.41	784.82	848.08	921.29	983.90
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	890.88	974.29	1,055.15	1,157.41	1,257.41
Route Kilometres Electrified	166.44	166.44	166.44	166.44	166.44	166.44	255.18	335.18	343.96	385.26	385.26	529.01	598.39	598.39	598.39
Total ..	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	6,710.36	6,722.30	6,728.66	6,711.76	6,756.36
Running track Kilometres Electrified	220.66	220.66	220.66	220.66	220.66	220.66	406.08	567.08	572.56	672.82	672.82	960.29	1,102.77	1,137.65	1,138.65
Total ..	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	7,725.09	7,756.18	7,772.47	7,790.45	7,836.05
Number of Stations	1,017	1,016	1,000	1,002	883	881	887	884	882	868	876	868	861	862	852
Rolling Stock—															
Locomotives															
Steam	943	934	911	916	799	792	761	702	592	382	370	364	358	336	229
Diesel	244	267	278	278	191	205	213	228	266	280	286	308	316	317	325
Electric	20	20	20	20	20	20	20	20	20	20	20	20	27	41	51
Coaching stock															
Passenger carriages	3,777	3,856	3,820	3,727	3,899	3,880	3,879	3,834	3,727	3,669	3,756	3,766	3,811	3,812	3,793
Electric Multiple Unit	171	171	171	171	171	192	272	348	358	354	353	353	371	371	371
Coaches															
Rail cars	18	18	18	13	11	11	14	11	7	7	7	7	10	10	10
Other coaching vehicles	1,066	1,049	1,029	988	943	928	902	893	845	824	817	809	793	768	746
Wagons	34,173	33,863	35,104	30,029	31,723	31,062	31,005	30,032	29,588	28,582	27,547	26,503	26,325	25,885	24,886
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	140.9	139.7	141.3	142.2	142.5
Cost of staff (in crores of Rs.)	57.96	73.75	88.40	92.30	91.42	87.99	110.75	128.46	147.84	180.28	208.67	241.01	264.11	325.55	402.1
Average cost per employee (in Rs.)	4,314	5,450	6,419	6,668	6,528	7,613	8,443	9,515	10,784	13,214	14,885	17,342	18,686	23,021	28,216
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	37.35	33.38	38.02	38.57	39.35
Goods and proportion of mixed	16.28	16.24	17.40	18.40	16.15	13.03	12.48	11.93	13.49	13.00	13.48	14.12	144.99	15.65	15.58
Vehicle and wagon kilometres (excluding departmental and brake-vans) (in millions)—															
Vehicle kilometres	579	529	642	697	679	631	642	661	689	715	743	763	769	800	856
Wagon kilometres	805	802	865	913	808	655	646	628	747	709	766	817	817	945	962
Volume of Traffic—															
Passenger Traffic—															
No. of passengers originating (in millions)	253	218	267	298	310	331	302	333	346	344	276	279	283	296	307
Passenger kilometres (in millions)	11,415	10,700	12,217	14,420	15,448	16,278	16,135	18,128	19,294	20,344	18,590	19,898	20,821	20,952	21,904
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	125.7	141.0	161.61	180.81	194.89
Average lead (in kilometres)	44.7	48.29	48.80	47.70	49.20	48.5	52.5	53.6	54.9	58.2	65.8	69.7	71.8		69.1
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	6.76	7.09	7.76	8.63	8.90
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	11.4	13.2	133.9	13.9	14.2
Total Traffic	13.7	13.8	14.6	15.5	14.0	11.9	11.8	11.8	13.9	13.7	12.7	14.4	15.2	15.3	15.9
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	10,104	11,041	11,829	11,724	11,638
Total traffic	9,324	9,664	10,323	10,855	9,647	8,386	8,190	8,067	9,846	9,374	10,367	11,327	12,129	11,944	11,932
Earnings from goods carried excluding wharfage 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	187.89	208.66	240.01	257.36	291.50
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	406	390	377	362	341
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	18.60	18.90	20.29	21.95	25.05
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	446	426	390	340	262
Diesel oil (in kilolitres)	131,524	133,660	140,010	148,840	125,039	97,747	102,627	106,091	117,688	127,035	129,864	138,033	144,817	144,996	153,677
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	148.38	162.27	179.97	204.46	230.93
Total	44.9	62.60	76.11	74.63	53.40	51.28	86.51	124.37	145.98	158.88	161.42	173.23	199.17	222.61	247.77
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	354.95	394.14	464.97	506.18	554.09
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	437.13	490.14	556.06	646.84	716.16
Net revenue receipts	(-) 2.91	(-) 8.72	(-) 9.32	(-) 14.94	(-) 19.11	(-) 21.26	(-) 35.70	(-) 44.54	(-) 41.79	(-) 59.22	(-) 83.85	(-) 96.00	(-) 91.09	(-) 123.69	(-) 149.22
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	(-) 8.70	(-) 11.42	(-) 12.40	(-) 11.06	(-) 13.42	(-) 14.99
Operating ratio (per cent)	102.05	106.04	105.7	109.70	112.8	113.7	120.74	123.19	115.87	118.62	123.15	124.36	119.59	130.08	129.50
Dividend to General Revenues	17.99	20.20	21.26	22.34	22.60	22.91	22.25	33.57	36.16	41.89	42.42	46.35	50.90	55.67	61.42
Payments to States in lieu of tax on Passenger fares.															
Surplus (+)/Deficit (-)	(-) 20.90	(-) 28.92	(-) 30.58	(-) 37.28	(-) 41.71	(-) 44.86	(-) 58.51	(-) 78.11	(-) 71.15	(-) 90.39	(-) 116.17	(-) 132.81	(-) 135.12	(-) 179.06	(-) 210.64

YEARS OF SUMMARY—contd.

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)
															Total investment (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	Locomotives
4	4	4	4	4	4	4	4	2	..	2 *	2	2	2	2	Passenger carriages
696	641	610	573	535	523	505	519	531	544	517 *	* 281	271	273	270	Electric Multiple Unit coaches,
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	Coaching stock
															Rail cars ..
															Other coaching vehicles
144.2	146.6	147.0	150.0	149.4	145.8	1,42,937	1,40,366	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)
															Cost of staff (in crores of Rs.)
															Average cost per employee (in Rs.)
															For the year—
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	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 Goods and proportion of mixed Vehicle and wagon K.Ms. (excluding depot, mental and brake-vans) (in millions)—
876	890	902	913	944	954	1,022	1,065	1,073 *	1,133	1,170 *	1,210	1,296	1,373	1,435	Vehicle kilometres
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	Wagon kilometres
															Volume of Traffic—
282	295	318	332	317	318	349	365	381	417	402	* 423	465	492	466	Passenger Traffic—
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	No. of passengers originating (in millions)
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	Passenger kilometres (in millions)
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	95.14	Passenger earnings (in crores of Rs.)
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	Average lead (in kilometres)
															Average rate per passenger. K.M. (in paise)
															Goods Traffic—
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	Tonnes originating (in millions)—
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	Revenue earning traffic
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	Total traffic
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	Net tonne K. M. (in millions)—
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	Revenue earning traffic
346	351	342	353	350	349	331	330	304	303	311	311	312	331	331	Total 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	Earnings from goods carried excluding wharfage and demurrage charges (in crores of Rs.)
212	205	177	168	128	40	18.46	2.34	2.19	2.10	2.18	2.16	2.59	1.90	1.74	Average lead (in kilometres)
162,219	171,611	179,309	177,546	179,265	161,865	170,580 *	178,816 *	178,665 *	181,125	1,97,668	2,17,566	2,19,143	2,26,870	2,32,602	Average rate per tonne kilometre (in paise)
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	Quantity of fuel consumed by locomotives—
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	Coal (in thousand tonnes)
															Diesel oil (in kilolitres)
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	Stores purchased (in crores of Rs.)—
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	Indigenous
(-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)	Total
(-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)	Operating revenue and expenditure (in crores of Rs.)—
122.04	124.02	118.63	117.81	117.96	110.60	109.47	105.82	106.98	111.81	114.29	114.74	120.80	124.98	119.15	Revenue—Gross receipts
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	working expenses including depreciation etc. and miscellaneous expenses.
															Net revenue receipts
(-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)	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.

SOUTHERN RAILWAY

SIXTY

Details	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11								
Assets—(As on 31st March)																
Capital-at-charge (Rs. in crores)	3,532.81	3,715.46	4,056.06	4154.34	4333.30	4647.65	5656.53									
Total Investment (Rs. in crores)	6,854.27	7,516.98	8,433.90	9564.02	11069.18	12985.77	14871.20									
Route Kilometres Electrified	1,501.88	1,477.02	1,729.23	1609.22	1722.90	1816.36	1975.31									
Total ..	5,234.48	5,209.62	5,209.62	5159.85	5169.42	5145.61	5098.07									
Running track Kilometres Electrified	2,578.01	2,595.20	2,952.73	2823.72	2957.41	3064.91	3332.08									
Total ..	6,628.99	6,678.34	6,717.96	6686.96	6707.54	6718.68	6759.53									
Number of Stations	601	599	597	536	545	552*	566									
Rolling Stock—																
Locomotives																
Steam	10	10	10	10	10	10	10									
Diesel	421	421	426	416	393	373	393									
Electric	243	223	241	265	279	290	306									
Passenger carriages	4,283	4,518	4,699	4897	5507*	5562	5656									
Coaching stock																
Electric Multiple Unit	607	704	618	676	669	677	714									
Coaches																
Rail cars	2	2	2	0	0	0	0									
Other coaching vehicles	206	387	464	499	282*	281	385									
Wagons	12,405	11,813	11,530	11064	11224*	10653	10546									
Staff—																
No. of employees (in 1000s)	106.844	106.258	104.865	105.177	104.680	102.472	99.329									
Cost of staff (in crores of Rs.)	1,835.52	2,055.00	2,147.91	2250.82	2415.74	4374.27	5053.79									
Average cost per employee (in Rs.)	1,71,7081	1,93,645	2,04,896	214787	230624	430712	766307									
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									
Goods and proportion of mixed	11.71	11.58	11.93	12.23	12.25	12.69	11.97									
Vehicle and wagon kilometres (excluding departmental and brake-vans) (in millions)—																
Vehicle kilometres	1,208	1,225	1,280	1253	1345	1404	1483									
Wagon kilometres	1,134	1,128	1,159	1226	1285	566	528									
Volume of Traffic—																
Passenger Traffic—																
No. of passengers originating (in millions)	418	460	496	565	621	687	690									
Passenger kilometres (in millions)	38,970	43,069	46,609	55092	57327	69391	70216									
Passenger earnings (in crores of Rs.)	1,58.66	1,238.82	1,332.56	1510.77	1805.86	2094.09	2154.61									
Average load (in kilometres)	88.58	87.61	89.17	93.97	87.89	93.89	95.15									
Average rate per passenger kilometres (in paise)	29.73	28.76	28.59	27.42	31.50	30.18	30.69									
Goods Traffic—																
Tonnes originating (in millions)—																
Revenue earning Traffic	23.58	22.71	26.94	31.52	30.03*	33.75	35.73									
Total Traffic	24.24	23.19	27.27	31.31	30.26*	34.32	36.20									
Net tonne kilometres (in millions)—																
Revenue earning traffic	13,341	13,931	14,736	14968	15116	16234	16844									
Total traffic	13,596	14,058	14,825	15008	15140	16272	16673									
Earnings from goods carried excluding wharfage and demurrage charges (in crores of Rs.)	1,036.42	1,083.04	1,288.45	1471.88	1617.61	1840.80	1818.03									
Average load (in kilometres) (Revenue)	283	280	263	234	225	236	239									
Average rate per tonne kilometre (in paise)	77.69	77.74	87.44	98.34	107.01	267.90	109.23									
Quantity of fuel consumed by locomotives—																
Coal (in thousand tonnes)	1.86	1.97	1.85	1.74	1.90	1.46	1.51									
Diesel oil (in kilolitres)	1,80,078	1,79,191	1,85,225	186260	182379	1805.77	1789.53									
Stores purchased (in crores of Rs.)—																
Indigenous	974.15	1,260.84	1,638.44	1790.10	1901.84	3003.37	2872.50									
Total	1,015.49	1,283.20	1,699.65	1800.81	2308.19	3050.84	2890.88									
Operating revenue and expenditure (in crores of Rs.)—																
Revenue—Gross receipts	2,419.39	2,579.34	2,913.06	3330.81	3772.04*	4324.05	4456.90									
Working expenses including depreciation etc. and miscellaneous expenses.	2,879.45	3,123.99	3,334.34	3522.94	3968.17*	5451.02	6139.53									
Net revenue receipts	(-) 400.25	(-) 501.80	(-) 551.27	(-) 244.85	(-) 191.13	(-) 1126.97	(-) 1669.82									
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*	(-) 29.52									
Operating ratio (per cent)	118.55	120.79	114.46	105.85	105.07	126.06	137.47									
Dividend to General Revenues	248.13	231.17	249.47	264.30	294.87	311.54	357.86									
Payments to States in lieu of tax on Passenger fares.																
Surplus (+)/Deficit (-)	(-) 648.38	(-) 732.97	(-) 800.74	(-) 609.15	(-) 491.20	(-) 1447.62	(-) 2047.39									

* Revised
 (Figures in Thousands) Open line : 97
 Construction : 2
 Total : 99

**SOUTHERN RAILWAY
DENSITY STATEMENT FOR THE YEAR 2009-2010—BROAD GAUGE**

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 tonnes 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 kilometres 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	64.224	64.224	1217.217	1217.217	7.943	10.369	346.401	445.842	5612	21980	27592	15710	35421	41205	41205	56914	76626	707	2120
2	MAS-AJU	69	D	E	156.688	156.688	2409.710	2409.710	17.680	19.423	867.646	941.278	27489	45163	72651	52301	72087	88597	88597	140898	160684	1557	2325
3	ALL-JTU	144	D	E	33.001	33.001	1268.926	1268.926	20.006	20.752	914.569	948.688	9734	51244	60977	36280	78701	34807	34807	71087	113509	487	2469
4	ALL-RU	72	D	E	13.522	13.522	329.989	329.989	19.033	36.273	919.386	868.406	52269	22361	74630	78423	47186	9651	9651	88074	56837	2746	616
5	MSB-VLCY EMU	20	D	E	62.671	62.671	403.085	403.085	0.000	0.000	0.000	0.000	0	0	0	0	0	19333	19333	19333	19333	0	0
6	VM-KDK	168	S	E	23.211	23.211	769.172	769.172	1.494	2.514	66.388	133.485	1610	6697	8308	3577	10031	21762	21762	25339	31793	1078	2664
7	CGL-AJU	63	S	E	3.501	3.501	67.196	67.196	0.005	0.003	0.174	0.055	0	0	0	35	32	2021	2021	2056	2053	0	0
PALAKKAD DIVISION																							
1	PTJ-PGT	52	D	E	25.026	25.026	904.509	904.509	8.278	8.834	345.619	365.849	10850	16285	27135	22089	28102	25117	25117	47206	53219	1311	1843
2	PGT-SRR	44	D	E	25.483	25.483	941.816	941.816	7.814	9.218	310.262	370.643	9300	15822	25123	19528	27773	26034	26034	45563	53807	1190	1716
3	SRR-CLT	86	D	NE	19.670	19.670	697.264	697.264	5.345	3.777	202.454	145.057	7605	5064	12669	14333	10090	19438	19438	33771	29528	1423	1341
4	CLT-CAN	89	D	NE	20.022	20.022	708.809	708.809	2.979	4.956	116.475	177.003	5416	3839	9255	9694	9841	19761	19761	29455	29503	1818	775
5	CAN-MAQ	131	D	NE	15.905	15.905	582.550	582.550	2.867	4.610	113.707	168.097	5798	1398	7196	9887	6962	16450	16450	26337	23411	2022	303
6	PGT-PGTN	4	S	NE	3.003	3.003	56.280	56.280	0.534	0.509	11.447	10.109	266	336	602	704	733	1812	1812	2516	2545	498	660
7	SRR-NIL	66	S	NE	5.613	5.613	120.480	120.480	0.048	0.053	0.648	0.724	0	40	41	43	84	3586	3586	3628	3670	8	757
8	MAQ-PNNB	24	S	NE	5.375	5.375	146.381	146.381	2.101	1.590	85.328	70.105	541	3351	3893	3439	5880	4617	4617	8056	10497	289	2108
TRIVANDRUM DIVISION																							
1	SRR-CHTS	108	D	E	32.530	32.530	1210.042	1210.042	6.380	6.377	250.998	262.470	7305	9363	16668	15339	17277	33293	33293	48633	50570	1145	1468
2	ERS-QLN	156	S	E	20.877	20.877	763.455	763.455	1.995	2.014	70.112	71.882	1721	2414	4134	4139	4850	20976	20976	25115	25825	862	1198
3	QLN-TVC	65	D	E	25.170	25.170	938.665	938.665	1.552	2.053	60.283	80.572	1230	2178	3407	3225	4807	25754	25754	28979	30561	792	1061
4	NCJ-TEN	73	S	NE	9.277	9.277	304.674	304.674	1.306	1.731	50.477	68.647	1307	1305	2612	2918	3493	8575	8575	11494	12069	1001	754
5	CAPE-TVC	87	S	NE	9.346	9.346	299.693	299.693	0.989	1.366	38.547	54.322	940	1125	2065	2176	2866	8434	8434	10610	11300	951	823
6	ERS-ALLP	57	S	E	14.636	14.636	504.444	504.444	2.006	1.405	81.520	57.268	2385	1546	3931	4914	3413	13876	13876	18790	17289	1189	1100
7	ALLP-KVJ	44	S	E	11.950	11.950	395.192	395.192	1.957	1.306	79.036	51.987	2259	1481	3739	4726	3205	10890	10890	15616	14095	1154	1134
8	TCR-GUV	23	S	E	5.357	5.357	159.387	159.387	0.000	0.000	0.000	0.000	0	0	0	0	0	4412	4412	4412	4412	0	0

SALEM DIVISION																							
1	JTJ-SA	120	D	E	24.741	24.741	990.958	990.958	14.949	15.497	712.964	745.445	10821	39169	49990	31693	60944	26999	26999	58691	87943	724	2528
2	SA-ED	59	D	E	32.898	32.898	1279.304	1279.304	10.304	11.445	436.473	505.350	13471	23425	36896	27495	38760	35126	35126	62621	73886	1307	2047
3	ED-PTJ	107	D	E	30.856	30.856	1162.406	1162.406	7.951	9.495	330.436	394.772	8187	18869	27056	19046	31589	32057	32057	51102	63646	1030	1987
4	ED-TP	137	S	NE	10.867	10.867	293.625	293.625	2.453	3.225	101.978	135.732	2586	6587	9173	6142	10976	8609	8609	14751	19585	1054	2042
5	SA-MTDM	40	S	E	4.005	4.005	106.650	106.650	7.007	4.694	406.976	270.190	23757	1029	24786	35323	9167	3294	3294	38616	12461	3390	219
6	VRI-SA	139	S	NE	3.377	3.377	90.246	90.246	1.050	0.747	43.603	30.599	2213	686	2899	3589	1762	2601	2601	6190	4363	2108	919
7	DG-KRR	74	S	NE	5.252	5.252	159.715	159.715	2.511	1.901	112.900	87.224	5606	2789	8395	9065	5540	4534	4534	13600	10074	2232	1467
8	CBG-MTP	36	S	NE	1.858	1.858	43.253	43.253	0.086	0.088	1.663	1.747	91	3	94	169	84	1279	1279	1449	1363	1062	33
MADURAI DIVISION																							
1	DG-MDU	66	D	NE	19.159	19.159	674.443	674.443	2.927	2.624	130.095	117.990	5650	4079	9729	9767	7872	18887	18887	28654	26759	1930	1555
2	MEJ-MDU	127	S	NE	14.276	14.276	515.744	515.744	2.449	2.046	112.233	92.062	5842	1734	7576	9382	4705	14354	14354	23736	19059	2386	847
3	MEJ-TN	31	S	NE	4.217	4.217	120.128	120.128	1.874	1.919	84.474	82.317	4713	542	5256	7458	3251	3427	3427	10885	6678	2515	283
4	MEJ-TEN	29	S	NE	12.725	12.725	425.021	425.021	0.975	1.418	33.235	49.580	1515	223	1738	2870	2071	11928	11928	14798	13999	1554	157
5	TEN-TCN	61	S	NE	4.029	4.029	66.564	66.564	0.000	0.000	0.000	0.000	0	0	0	0	0	2062	2062	2062	2062	0	0
6	VPT-SCT	130	S	NE	4.233	4.233	127.470	127.470	0.009	0.014	0.187	0.381	0	15	15	24	44	3621	3621	3645	3665	0	1047
7	RMM-MNM	113	S	NE	6.405	6.405	155.067	155.067	0.035	0.049	1.420	1.999	0	106	106	82	205	4528	4528	4610	4733	0	2164
8	MNM-MDU	48	S	NE	3.328	3.328	56.537	56.537	0.044	0.106	1.800	3.991	44	148	192	163	329	1760	1760	1923	2089	994	1397
9	DG-TPJ	94	S	NE	13.915	13.915	498.948	498.948	0.997	1.160	40.491	49.257	843	2187	3030	2192	3800	13959	13959	16151	17759	846	1885
10	MNM-TPJ	151	S	NE	5.324	5.324	113.790	113.790	0.067	0.023	2.775	0.968	26	54	80	184	160	3895	3895	4079	4055	391	2340
TIRUCHCHIRAPPALLI DIVISION																							
1	TP-TPJ	4	S	NE	9.350	9.350	227.344	227.344	1.230	1.701	48.170	68.381	833	3352	4185	2533	5545	7183	7183	9716	12728	677	1971
2	TPJ-MV	120	S	NE	13.704	13.704	269.785	269.785	0.886	0.787	33.343	29.198	911	1046	1957	2089	2090	9098	9098	11187	11188	1028	1329
3	VRI-CUPJ	57	S	NE	1.844	1.844	36.496	36.496	0.494	0.491	22.580	22.475	26	1070	1095	705	1743	1108	1108	1813	2851	52	2179
4	PDY-VM	38	S	E	6.388	6.388	121.912	121.912	0.316	0.391	11.946	15.801	116	676	792	509	1176	3659	3659	4168	4835	367	1729
5	VM-MV	122	S	NE	0.153	0.153	3.015	3.015	0.058	0.081	2.602	3.892	144	100	244	223	212	92	92	314	304	2490	1229
6	TPJ-VM	178	S	E	18.802	18.802	695.051	695.051	2.122	2.761	87.532	115.439	3586	4344	7931	6388	7964	19570	19570	25958	27533	1690	1573
7	TJ-TPJ	54	S	NE	4.072	4.072	79.796	79.796	0.471	0.372	16.614	11.922	273	485	758	818	899	2440	2440	3258	3339	579	1304
8	VM-KPD	10	S	E	2.998	2.998	39.376	39.376	0.003	0.000	0.082	0.000	0	0	0	3	0	1342	1342	1346	1342	0	0
9	TPJ-NCR	30	S	NE	7.800	7.800	155.174	155.174	0.554	0.422	23.224	16.213	507	652	1159	1364	1331	4939	4939	6303	6270	916	1545

Note : Route Kilometre as per Annual statistical Statement No. 8 for B. G.

4192.13

Route Kilometre as per Density Statement No. 8 for B. G.

3956.00

The difference is due to Non-Inclusion of Villivakkam(VLK) Annanagar(ANNG) in any section (The Traffic has been included (in Chennai (MAS). Arakkonam(AJJ) Section, Panamburu Yard, Cochin Yard, Tiruchchirappalli Yard, Chennai Local Kilometres like Basinbridge(BBQ) To Washermenpet(WST) link, Vyasaradi(VPY) to Korukkupet (KOK) link etc, Villupuram(VM)-Katpadi(KPD) 150 Kms. Traffic not combined; but shown in B. G. in ASS 8, Punalur(PUU)-Quilon(QLN) 44Kms. Traffic Not commenced; but shown in B. G. in ASS 8 and rounding off.

SOUTHERN RAILWAY
DENSITY STATEMENT FOR THE YEAR 2009-2010—METRE GAUGE

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)
	PALAKKAD DIVISION				Up.	Dn.	Up.	Dn.	Up.	Dn.	Up.	Dn.	Up.	Dn.		Up.	Dn.	Up.	Dn.	Up.	Dn.	Up.	Dn.
1	POY-CNV	21	S	NE	2.000	2.000	24.000	24.000	0.000	0.000	0.000	0.000	0	0	0	17	17	490	490	507	507	0	0
	MADURAI DIVISION																						
1	SCT-PUU	49	S	NE	4.008	4.008	72.089	72.089	0.000	0.000	0.000	0.000	0	0	0	0	0	1322	1322	1322	1322	0	0
2	DG-POY	121	S	NE	3.000	3.000	36.000	36.000	0.000	0.000	0.000	0.000	0	0	0	7	7	731	731	738	738	0	0
3	MDU-BDNK	90	S	NE	0.860	0.860	8.594	8.594	0.000	0.000	0.000	0.000	0	0	0	1	1	184	184	185	185	0	0
	SALEM DIVISION																						
1	MTP-UAM	46	S	NE	3.971	3.971	31.724	31.724	0.000	0.000	0.000	0.000	0	0	0	38	38	490	490	528	528	0	0
2	PTJ-CNV	19	S	NE	2.000	2.000	24.000	24.000	0.000	0.000	0.000	0.000	0	0	0	0	0	494	494	494	494	0	0
	TIRUCHIRAPPALLI DIVISION																						
1	MV-TVH	38	S	NE	2.993	2.993	26.853	26.853	0.000	0.000	0.000	0.000	0	0	0	19	19	597	597	615	615	0	0
2	TVR-TTP	26	S	NE	3.000	3.000	24.543	24.543	0.005	0.000	0.110	0.000	1	0	1	10	8	567	567	577	575	148	0
3	TTP-KKDI	123	S	NE	2.798	2.798	22.803	22.803	0.077	0.066	2.085	1.370	2	35	38	30	59	621	621	561	580	30	535

Note : Route Kilometre as per Annual statistical Statement No. 8 for M. G. 905.94
Route Kilometre as per Density Statement for M. G. 533.00
The difference is due to inclusion of sections under Gauge conversion Manamadurai(MMM)-Virudunagar(VR) 66.55 Kms. Tiruturaiipoondi(TTP)-Agastiyampalli(AGX)36.79 Kms. Tambaram(TBM)-Vilupuram(VM) 132.84 Kms. Tirunelveli Town(TTT)-Tenkasi(TS)72 Kms.Pollachi(POY)-Palakkad Town(PTGN) 58Kms.Totalling 366.18.

DENSITY STATEMENT FOR ARTERIAL ROUTES AND OTHER ROUTES FOR THE YEAR—2009–2010

(Figures in Thousands)

Routes	NTKMs.		GTKMs.					
	Up	Down	Goods		Coaching		Combined	
			Up	Down	Up	Down	Up	Down
BROAD GAUGE								
Arterial	69,32,562	1,14,46,020	1,43,92,681	1,95,55,485	1,97,11,070	1,97,11,070	3,41,03,751	3,92,66,555
Others	2,54,637	2,37,778	5,36,203	4,81,835	30,43,122	30,43,122	35,79,325	35,24,957
	71,87,199	1,16,83,798	1,49,28,884	2,00,37,320	2,27,54,192	2,27,54,192	3,76,83,076	4,27,91,512
METRE GAUGE								
Arterial	0	0	0	0	23,642	23,642	23,642	23,642
Others	110	1,584	1,854	3,120	45,933	45,933	47,787	49,053
	110	1,584	1,854	3,120	69,575	69,575	71,429	72,695