

महा प्रबंधक की वार्षिक रिपोर्ट
General Manager's
ANNUAL REPORT

2014—2015

दक्षिण रेलवे/SOUTHERN RAILWAY

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

जून/June -2016

शक/Saka-1937

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

मैं, 31 मार्च 2015 को समाप्त अवधि के लिए दक्षिण रेलवे प्रणाली के कार्य संबंधी रिपोर्ट इसके साथ अग्रेषित करता हूँ।

I forward herewith my report on the working of the Southern Railway System for the year ended
31st March 2015.

वशिष्ट जोहरी
VASHISHTA JOHRI
महा प्रबंधक/GENERAL MANAGER

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शब्दावली/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

परिचालन संबंधी विशिष्टताएं/HIGHLIGHTS OF OPERATIONS

Particulars	Units	2013-14	2014-15
Financial Position —			
Capital-at-Charge	₹ in Crores	10425.08	12120.91
Capital Fund	₹ in Crores	3565.81	3974.42
Gross Earnings	₹ in Crores	6845.55	7592.34
Working expenses (excluding suspense)	₹ in Crores	6583.48	7033.63
Net Earnings	₹ in Crores	-2149.09	-2201.99
Operating Ratio	Percentage	132.18	128.98
Percentage of Net Earnings to Capital-at-charge and investment from Capital Fund.	Percentage	-15.36	-13.68
Passenger Statistics —			
No. of Passengers Originating	In Millions	831	807
No. of Passengers Carried	In Millions	857	875
Passenger Kilometres	In Millions	82481	83730
Earnings from Passenger Carried	₹ In Crores	3290.64	3719.99
Average Earning per Passenger Kilometres	In Paise	39.90	44.43
Average length of Passenger journey	Kilometre	96.21	95.68
Freight Statistics —			
Freight Tonnes Originating	In Millions	42.40	39.14
Freight Tonnes Carried	In Millions	71.64	70.36
Freight Tonne Kilometres	Kilometre	18006	18406
Earnings from Goods Carried	₹ in Crores	2696.99	2964.94
Average Earning per Freight Tonne Kilometres	in Paise	149.78	161.09
Average Lead of Tonne of Goods (Revenue)	Kilometre	251	262
Train Statistics —			
Train Kms. Pass & Goods incl. Dept. EMU, MEMU, DEMU (in thousands)	Kilometre	73716	76542
Gross Earnings per Train Kilometres	₹	928.64	991.92
Working Expenses per Train Kilometres	₹	893.09	918.92
Net Earnings per Train Kilometres	₹	-291.54	-287.68
Staff —			
No. of Staff as on 31st March	Number	92758	91810
Cost of Staff	₹ In Crores	6214.11	6871.49
Station and Route Kilometrage —			
No. of Stations as on 31st March (Excl. Halts & incl. Block Huts)	Number	597	608
Route Kilometres as on 31st March	Kilometre	5078.71	5078.74

I. सामान्य समीक्षा/GENERAL REVIEW

General Economic Condition of the Zone

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

Tamil Nadu State Industrial Development Corp. Ltd.

Sl. No.	Industrial Projects	Nos.	Enclosures
1.	No. of Projects completed and commissioned during 2014-15.	Nil	..
2.	No. of Projects under implementation.	14	List enclosed as Annex.
3.	Details of State owned managed Industries.	Nil	..

Project under implementation

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

QUANTITY OF MINERAL PERMITTED FOR THE YEAR 2014-15

Sl. No.	District	Quantity permitted (in tonnes)
LIMESTONE		
1	Ariyalur	11670755
2	Coimbatore	524000
3	Dindigul	1625731
4	Karur	658260
5	Krishnagiri	480
6	Madurai	76082
7	Namakkal	21300
8	Perambalur	1228620
9	Salem	347461
10	Thoothukudi	584410
11	Tirunelveli	665110
12	Trichy	1487370
13	Virudhunagar	375757
	TOTAL	19265336

Sl. No.	District	Quantity permitted (in tonnes)
MAGNESITE		
1	Karur	8595
2	Tiruppur	350
3	Namakkal	7000
4	Salem	161808
	TOTAL	177753
DUNITE		
1	Salem	59200
2	Tiruppur	170
3	Karur	75
	TOTAL	59445
SILICA SAND		
1	Cuddalore	97936
2	Kancheepuram	4145
3	Nagapattinam	14790
4	Villupuram	8590
	TOTAL	125461
LIMESHELL		
1	Cuddalore	30
	TOTAL	30
FIRECLAY		
1	Ariyalur	209400
2	Cuddalore	21248
3	Perambalur	69940
	TOTAL	300588
BALLCLAY		
1	Cuddalore	10497
	TOTAL	10497
VERMICULITE		
1	Vellore	1630
	TOTAL	1630
GYPSUM		
1	Coimbatore	0
2	Perambalur	0
3	Tiruppur	120
4	Trichy	0
	TOTAL	120
MARL		
1	Ariyalur	1600
2	Perambalur	0
	TOTAL	1600
GRAPHITE		
1	Madurai	920
2	Sivagangai	70674
	TOTAL	71594

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Sl. No.	District	Quantity permitted (in tonnes)
GARNET (Beach Sand) RAW SAND		
1	Kanyakumari	680160
2	Thoothukudi	0
3	Tirunelveli	0
4	Trichy	0
	TOTAL	680160
BAUXITE		
1	Salem	86800
	TOTAL	86800
SOAPSTONE		
1	Coimbatore	2210
2	Salem	540
3	Trichy	0
	TOTAL	2750
CRUDE OIL		
1	Ariyalur	0
2	Cuddalore	597
3	Nagapattinam	59100
4	Ramanathapuram	12270
5	Thanjavur	35357
6	Tiruvarur	127753
	TOTAL	235077
LIGNITE		
1	Cuddalore	24208598
	TOTAL	24208598
NATURAL GAS		
1	Cuddalore	2923894
2	Nagapattinam	286388183
3	Ramanathapuram	705136280
4	Thanjavur	34019819
5	Tiruvarur	162185850
	TOTAL	1190654026
QUARTZ		
1	Coimbatore	360
2	Dharmapuri	50
3	Dindigul	9660
4	Erode	740
5	Karur	5535
6	Madurai	130
7	Namakkal	3195
8	Salem	0
9	Tirunelveli	0
10	Tiruppur	1470
11	Trichy	1881
12	Vellore	550
	TOTAL	23571

Sl. No.	District	Quantity permitted (in tonnes)
FELDSPAR		
1	Coimbatore	1900
2	Dindigul	5195
3	Erode	385
4	Karur	9810
5	Madurai	520
6	Namakkal	15860
7	Salem	47034
8	Tiruppur	1230
9	Trichy	3614
	TOTAL	85548
QUARTZITE		
1	Thoothukudi	50
2	Tirunelveli	15400
	TOTAL	50
BLACK GRANITE		
1	Cuddalore	0
2	Dharmapuri	20131
3	Erode	1645
4	Kancheepuram	0
5	Krishnagiri	30132
6	Namakkal	41
7	Perambalur	0
8	Salem	1298
9	Thiruvannamalai	4314
10	Tiruvallur	244
11	Trichy	0
12	Vellore	10410
13	Villupuram	10954
	TOTAL	79169
COLOUR GRANITE		
1	Coimbatore	450
2	Dindigul	11171
3	Karur	45106
4	Krishnagiri	135734
5	Kanyakumari	211
6	Namakkal	13504
7	Pudukkottai	22650
8	salem	10784
9	Sivagangai	846
10	Theni	0
11	Thiruvannamalai	0
12	Thoothukudi	1775
13	Tirunelveli	35651
14	Tiruppur	3521
15	Trichy	1491
16	Vellore	2917
17	Villupuram	752
18	Virudhunagar	77765
	Total	364328

Sl. No.	District	Quantity permitted (in tonnes)
ROUGHSTONE		
1	Coimbatore	1185293
2	Cuddalore	2400
3	Dharmapuri	280916
4	Dindigul	387243
5	Erode	655735
6	Kancheepuram	5332550
7	Kaniyakkumari	523713
8	Karur	1192155
9	Krishnagiri	3957762
10	Madurai	680688
11	Namakkal	479706
12	Perambalur	965594
13	Pudukottai	713860
14	Selem	665761
15	Sivagangai	53835
16	Theni	290181
17	Thiruvannamalai	803002
18	Thoothukudi	1024791
19	Tirunelveli	2402868
20	Tiruppur	1206814
21	Tiruvallur	13410
22	Trichy	130964
23	Vellore	1759578
24	Villupuram	916749
25	Virudhunagar	668642
TOTAL		26294210
GRAVEL		
1	Ariyalur	142635
2	Coimbatore	335907
3	Cuddalore	0
4	Dharmapuri	840
5	Dindigul	75090
6	Erode	186540
7	Kancheepuram	676465
8	Kanyakumari	132690
9	Karur	13440
10	Krishnagiri	59400
11	Madurai	474254
12	Nagapattinam	0
13	Namakkal	88032

GRAVEL		
14	Perambalur	76161
15	Pudukottai	119860
16	Ramanathapuram	103976
17	Salem	194634
18	Sivagangai	172540
19	Thanjavur	110550
20	Theni	101382
21	Thiruvannamalai	194876
22	Thoothukudi	173144
23	Tirunelveli	272604
24	Tiruppur	346625
25	Tiruvallur	193812
26	Tiruvarur	0
27	Trichy	0
28	Vellore	48130
29	Villupuram	0
30	Virudhunagar	297027
	TOTAL	4590614
EARTH/SAVUDU		
1	Ariyalur	128910
2	Coimbatore	0
3	Cuddalore	439891
4	Nagapattinam	29760
5	Ramanathapuram	380711
6	Thanjavur	21450
7	Theni	116405
8	Tiruvallur	2368038
9	Tiruvarur	30060
10	Vellore	48130
11	Villupuram	327927
12	Virudhunagar	124942
	TOTAL	4016224
PEBBLES		
1	Ariyalur	75
2	Cuddalore	5542
3	Pudukottai	105
4	Villupuram	4140
	TOTAL	9862
KANKAR		
1	Ariyalur	0
2	Dindigul	0
3	Theni	24
4	Tirunelveli	123
5	Tiruppur	0
6	Virudhunagar	2414
	TOTAL	2561
LIMESHELL		
1	Ramanathapuram	15
	TOTAL	15
QUARTZITE		
1	Thoothukudi	4353
	TOTAL	4353

FINAL ESTIMATES OF AREA PRODUCTION AND YIELD RATE OF PRINCIPAL CROPS

STATE: TAMILNADU

YEAR: 2013-14

[illegible]

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CROP	AREA (In' 000' ha.)			PRODUCTION (In'000' tonnes)			YIELD RATE (kg/ha)		
	KHARIF	RABI	TOTAL	KHARIF	RABI	TOTAL	KHARIF	RABI	TOTAL
SMALL MILLETS									
Korra	0.95	0.08	1.02	0.44	0.04	0.48	467	467	467
Varagu	2.93	0.65	3.58	4.91	1.28	6.19	1676	1969	1734
Samai	22.19	0.16	22.35	25.26	0.19	25.45	1138	1188	1139
Other Cereals	1.97	3.50	5.47	1.10	1.96	3.06	558	560	559
TOTAL SMALL MILLETS	28.04	4.39	32.42	31.71	3.47	35.18			
TOTAL COARSE CEREALS (Except Paddy)	594.65	338.45	933.09	2050.89	1222.59	3273.48			
PULSES									
TUR (Redgram)	51.91	7.73	59.64	49.98	7.69	57.67	963	995	967
Urad (Blackgram)	69.87	295.26	365.13	58.71	251.95	310.66	840	853	851
Mung (Greengram)	25.03	170.25	195.28	14.88	137.32	151.40	563	807	775
Kulthi (Horsegram)	13.73	75.00	88.73	8.56	48.30	56.86	641	644	641
Gram (Bengalgram)	6.57	2.34	8.91	4.29	1.53	5.82	653	654	653
Other Pulses	82.82	15.24	98.06	26.50	4.88	31.38	320	320	320
TOTAL PULSES	249.93	565.82	815.75	162.12	451.67	613.79			
TOTAL FOODGRAINS	1380.40	2094.18	3474.57	4451.04	6551.42	11002.46			

FINAL ESTIMATES OF AREA PRODUCTION AND YIELD RATE OF PRINCIPAL CROPS

STATE: TAMILNADU

YEAR: 2013-14

CROP	AREA (In' 000' ha.)			PRODUCTION (In'000' tonnes)			YIELD RATE (kg/ha)		
	KHARIF	RABI	TOTAL	KHARIF	RABI	TOTAL	KHARIF	RABI	TOTAL
OILSEEDS									
Groundnut	215.83	120.80	336.63	477.60	438.29	915.89	2213	3628	2721
Sesamum	19.50	37.09	56.59	10.88	22.83	33.71	558	616	596
Castor	5.61	0.77	6.38	1.75	0.24	1.99	312	312	312
Sunflower	2.16	5.83	7.99	3.90	5.80	9.70	18.06	995	1214
Rapeseed & Mustard	0.58	0.00	0.58	0.14	0.00	0.14	241		241
Nigerseed	0.00	0.00	@						
Linseed	0.00	0.00	N.A						
Safflower	0.00	0.00	N.A						
Soyabean			@						
Total Oil Seeds	243.68	164.49	408.17	494.27	467.16	961.43			
Sugarcane \$\$			313.34			32454.14			104
FIBRE CROPS									
Cotton **	116.50	34.47	150.97	333.81	82.75	416.56	487	408	469
Mesta			N.A						
Jute			@						
Sunhemp			@						
Tobacco	0.97	2.76	3.73	1.48	4.21	5.69	1526	1565	1525
Guarseed			0.00			0.00			

*- Production and yield in terms of Rice

**- Production in thousand bales of 170 kgs of lint each.

N.A- Not available/Not applicable N.W.-Not worked out

\$\$- Sugarcane Production in terms of caneyield rate tonne/ha

@-Less than hundred ha.

THIRD ADVANCE ESTIMATES OF AREA PRODUCTION AND YIELD RATE OF PRINCIPAL CROPS

STATE : TAMILNADU

YEAR : 2014-15

CROP	AREA (In' 000' ha.)			PRODUCTION (In'000' tonnes)			YIELD RATE (kg/ha)		
	KHARIF	RABI	TOTAL	KHARIF	RABI	TOTAL	KHARIF	RABI	COMBINED
Rice	486.45	1313.87	1800.32	2143.69	5418.38	7562.07	4407	4124	4200
Jowar (Cholam)	165.58	258.52	424.10	295.23	791.06	1086.29	1783	3060	2561
Bajra (Cumbu)	35.89	23.48	59.37	103.80	84.79	188.59	2892	3611	3177
Ragi	59.66	52.23	111.89	167.29	178.51	345.80	2804	3418	3091
Maize	116.39	223.54	339.93	807.03	1522.77	2329.80	6934	6812	6854
Korra	0.79	0.23	1.02	0.37	0.11	0.48	468	478	471
Varagu	1.14	1.14	2.28	2.16	2.20	4.36	1895	1930	1912
Samai	17.77	0.53	18.30	17.31	0.67	17.98	974	1264	983
Wheat @	0.00	0.00	@						
Other Cereals	1.91	7.18	9.09	1.07	3.83	4.90	560	533	539
Small Millets @@	21.60	9.09	30.69	20.91	6.81	27.72			
Barley			N.A						
Coarse cereals	399.12	566.86	965.98	1394.26	2583.94	3978.20			
Total cereals	885.57	1880.73	2766.30	3537.95	8002.32	11540.27			
Bengalgram	0.00	6.32	6.32	0.00	4.09	4.09		647	647
Redgram	56.26	24.38	80.64	55.47	21.48	76.95	986	881	954
Greengram	22.79	209.33	232.12	13.38	185.47	198.85	587	886	857
Blackgram	35.02	367.82	402.84	26.37	326.99	356.36	753	889	877
Horsegram	2.52	95.93	98.45	1.33	70.89	72.22	528	739	734
Other Pulses	59.94	56.41	116.35	22.00	18.39	40.39	367	326	347
Total Pulses	176.53	760.19	936.72	118.55	627.31	745.86			
Total Food Grains	1062.10	2640.92	3703.02	3656.50	8629.63	12286.13			

THIRD ADVANCE ESTIMATES OF AREA PRODUCTION AND YIELD RATE OF PRINCIPAL CROPS

STATE : TAMILNADU

YEAR : 2014-15

CROP	AREA (In' 000' ha.)			PRODUCTION (In'000' tonnes)			YIELD RATE (kg/ha)		
	KHARIF	RABI	TOTAL	KHARIF	RABI	TOTAL	KHARIF	RABI	COMBINED
Groundnut	181.75	154.45	336.20	451.66	397.40	849.06	2485	2573	2525
Gingelly	13.21	53.24	66.45	6.72	29.71	36.43	509	558	548
Castor	4.18	1.62	5.80	1.30	0.51	1.81	311	315	312
Sunflower	1.30	7.62	8.92	2.34	10.20	12.54	1800	1339	1406
Nigerseed			N.A			N.A			
Soyabean			N.A			N.A			
Linseed			N.A			N.A			
Safflower			N.A			N.A			
Repeseed & Mustard	0.28	0.00	0.28	0.06	0.00	0.06	214		214
Total Oil Seeds	200.72	216.93	417.65	462.08	437.82	899.90			
Cotton #	124.68	60.84	185.52	398.98	386.90	785.58	544	1081	720
Jute			N.A			N.A			
Mesta	0.00	0.17	0.17	0.00	4.25	4.25		4631	4631
Jute & Mesta			N.A			N.A			
Sugarcane \$	171.33	94.68	266.01	14905.36	8237.25	23142.61	87	87	87

@- Area less than 100 hectares/production less than 100 tonnes

**- Production in terms of Rice.

#- Production in thousand Bales of 170 kg of lint each.

\$- Production in terms of cane

@@- Small millets includes Korra, Varagu, Samai & Other Cereals.

i) The details of power projects completed including the renovation work of existing hydro stations, during the year 2014-15 are given below :

Sl. No.	Name of Scheme	Capacity (MW)	Energy (MU)
1	Vilanged Small hydro project	7.5	22.63
2	Meenvalom SHP (IPP)	3	8.37
3	Poringalkuthu (Renovation)	3	..
4	Sabarigiri (Renovation)	5	..

ii) The list of projects which are under construction and its benefits are as follows :

a) Hydro power projects

Sl. No.	Name of Scheme	Capacity (MW)	Energy (MU)
1	Adyanpara	3.5	9.01
2	Barapole	15	36
3	Bhoothathankettu	24	83.50
4	Chathankottunada II	6	14.76
5	Chimmony	2.5	6.7
6	kakkayam	3	10.39
7	Pallivasal Extension	60	153.9
8	Perumthenaruvu	6	25.77
9	Poringalkuttu	24	45.02
10	Sengulam Augmentation	..	85
11	Thottiar	40	99
12	Vellathooval	3.6	12.17

b) Solar power project

Sl. No.	Name of Scheme	Capacity (MW)	Energy (MU)
1	Grid interactive solar PV at Kanjikode	1	1.63

iii) Details of hydro projects under proposal

Sl. No.	Name of Scheme	Capacity (MW)	Energy (MU)
1	Achankovil	30	75.81
2	Anakayam	8	22.83
3	Athirappally	163	233.34
4	Chembukadavu-III	6	14.92
5	Chinnar	24	76.45
6	Ladrum	3.5	12.13
7	Mankulam	40	82.00
8	Maripuzha	6	10.85
9	Marmala	7	16.72
10	Olikkal	5.0	10.18
11	Pambar	40	84.79
12	Pazhassi Sagar	15	42.14
13	Peechad	3	7.73
14	Peruvannamoozhi	6	24.70
15	Poovaramuthodu	3.0	5.88
16	Upper Kallar	2	5.15
17	Upper Sengulam	24	59.20
18	Valanthode	8.0	17.67
19	Western Kallar	5	11.06

PRODUCTION UNDER PRINCIPAL CROPS IN KERALA FOR 2013-14

Sl. No.	Name of Crops	2013-14			2014-15(Not estimated)		
		Area (Hctr)	Production (Tonnes)	Productivity (Kg/Hctr)	Area (Hctr)	Production (Tonnes)	Productivity (Kg/Hctr)
1	Rice	199611	564325	2827	N.A	N.A	
2	Groundnuts	710	868	1223	N.A	N.A	
3	Oil Seeds (Sesamum & Soyabean)	271	97	357	N.A	N.A	
4	Coconut	808647	5921 (Million nuts)	7322	N.A	N.A	
5	Dry Chillies	N.A.	N.A.		N.A	N.A	
6	Sugarcane	2210	22152	10023	N.A	N.A	
7	Tobacco	9	17	1888	N.A	N.A	
8	Cotton	177	284	1605	N.A	N.A	
9	Cholam (Maize)	51	71	1392	N.A	N.A	
10	Ragi	82	85	1037	N.A	N.A	
11	Cambu	Not Available	N.A.		N.A	N.A	

The District-wise occurrence of minerals found in the state of Kerala is given below :-

Name of mineral	District
China Clay	Thiruvananthapuram, Kollam, kannur and kasaragod Districts
Mineral sand (limonite, Rutile, zircon, sillimanite, Leucocoxene)	Kollam and Alappuzha Districts
Bauxite/Laterite	kannur, kasaragod and kollam Districts
Sillica Sand	Alappuzha District (Cherthala)
Lime Shall	Vembanad Lake of Alappuzha, Kottayam District and Coastal tracts of kannur and Kasaragod District.
Lime stone	Palakkad District (Walayar)
Quartz	Wayanad & Idukki Districts.
Graphite	Thiruvananthapuram & Emakulam Districts
Iron Ore	Kozhikkode District
Granite Building stone	All districts of Kerala except Alappuzha
Laterite Building stone	Kasaragod, Kannur, Kozhikkode, Malappuram, Thrissur, Ernakulam Kottayam, Alappuzha, Kollam districts
Granite Dimension stone	Thiruvananthapuram, wayanad, Idukki, kollam and Palakkad
Brick Clay	All districts of Kerala

2. Railway Kilometrage

The open line kilometrage as on 31st March 2015

Gauge	Route Kilometrage.			Track Kilometrage including Sidings Kilometrage
	Single Line	Double/Triple/quadruple lines	Total	
Southern Railway				
Broad Gauge	2947.76	1664.73	4612.49	8034.77
Metre Gauge	466.25	0.00	466.25	498.07
Narrow Gauge	0.00	0.00	0.00	0.00
Total	3414.01	1664.73	5078.74	8532.84

Note. —

Out of 466 km. of MG Route km., 420 km. are under various stages of gauge. conversion.

3. General Review of working for the year 2013–2014 and 2014–2015 are as follows :—

	2013–14	2014–15
Gross Earnings (in crores of rupees).	6,845.55	7,592.34
Working Expenses (excl. Suspense) (in crores of rupees).	6,583.48	7,033.63
Number of passengers carried.. (in millions).	857.27	875.13
Tonnes originating (Revenue) .. (in millions).	42.40	39.14
Tonnes Carried (System) (Revenue) .. (in millions).	71.64	70.36
Freight tonne kms. (Revenue) .. (in millions).	18,006	18,406
Goods Train kms. (in millions).. (in millions).	10.78	11.29
Train Engine kms. (Goods and prop.) (in millions).	20.65	21.41

4. PLANNING BRANCH-EFFICIENCY CELL

1.0 WORK STUDIES/CRASH STUDIES

1.1 The Planning Branch is conducting work studies and Crash studies to identify the surplus posts in various Field Units. The recommendations of work study are made based on the yard stick, Bench Mark and as per the need on various activities duly considering the Technological Improvements and outsourced activities, The Railway Board is advising the Annual Target for surrender of surplus posts through Work study. The surplus posts surrendered are credited to the Vacancy Bank as per Railway Board norms.

- + During the year 2014-15, 58 number of Work Studies were completed. The total numbers of surplus posts identified were 1265 with a projected savings of 45.95 crores per annum (Approximately.)
- + The Railway Board Target of surrendering 900 surplus posts was achieved during the year 2014-15. The Annual Financial savings on account of the above surrender is Rs. 51.15 crores per annum (Approximately.)
- + The proposal for creation of posts is also routed through Planning Branch to monitor the surrendering of surplus posts identified through Work Studies.

1.0 SOUTHERN RAILWAY MONTHLY GAZETTE-PUBLICATION :-

The Planning Branch is compiling the details such as results of Selection to various posts, Staff due to Retire, Change in Employee's Name, Missing Pass PTO and Cash Value Books etc., for publishing in Southern Railway Monthly Gazette. The Monthly Gazette is also distributed to all Field Units.

2.0 SALIENT FEATURES-e-PUBLICATION :-

An Annual e-Publication Titled 'Salient Features' is uploaded in the Southern Railway Rail Net Home Page comprising the details about the activities and achievements of all the Departments.

3.0 OTHER CO-ORDINATION WORKS :-

- + The Planning Branch is compiling the details of Work load indices of various Divisions and submits to Railway Board every year.

- + The data for Award of 'Pandit Govind Ballabh Pant Shield' by Railway Board, is also compiled and submitted to Railway Board, every year for identifying the best Zonal Railway based on its performance.
- + The Planning Branch is co-ordinating with all Departments to adjudge the best performing Division/ Units for conferring Efficiency Shields during Railway Week Celebrations.

5. STATISTICAL ORGANISATION

Statistical Organisation, under the of Directorate of Statistics & Economics, Railway Board is general administrative department, functioning under the control of FA & CAO/Traffic, assisted by Dy. CAO/Traffic and Statistics and Analysis Officer.

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

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

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

Commercial Statistics :

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

- ♦ Advanced Gross Earnings and Traffic handled are reported for every 10-day period.
- ♦ In 12 Commodity Statement – the tonnes and number of wagons originating details are advised for 12 important commodities.
- ♦ Under Goods Revenue Statistics in Statistical Statement No. 7A & 7B Goods Earnings, NTKM and No of Tonnes Loaded for a month under Plan Head Commodities are furnished on originating basis. At present checking of RRs are done 'on line'.
- ♦ Number of Passengers Originating, carried and Passenger KMs. and Passenger Earnings & Rate Per Passenger Per Km. are compiled and advised to Railway Board and other HODs.

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

Operating Statistics :

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

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

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

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

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

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

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

Statistical Branch Web Page.—

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

Statistical Inspection.—

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

Traffic costing cell

Traffic Costing Cell of this Railway continued to do :

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

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

Data Processing Centre —

Sub : GM's Narrative Report 2014-2015

Southern Railway Technology centre is located in Moore Market Complex, VIII floor. functions under the direct control of Senior Electronic Data Processing Manager and under the Administrative Control of Financial Advisor and Chief Accounts Officer. The employees working in this SRITC/MMC are trained in the area of Oracle and other related working areas. This centre has the expertise of professionally qualified employees. The main activities of this office include processing of the following applications at HQ level, divisional level and others areas of Southern Railway and extending software support.

1. Financial Management System
 - a. FMIS b. AFRES
2. General and workshop Payroll System
 - a. PRIME b. WGR
3. Freight Accounting Systems
4. Passenger Accounting System
5. Material Management System
 - a. MMIS b. MMGT
6. Operating Statistics system (OSS)
7. Maintenance of database for FMIS in Chennai Division and Prime Data base of Perambur Area.
8. Imparting Computer Knowledge through Computer Learning System.

1. **Financial Management System (FMS)** runs in two different software applications.

1. **FMIS-Financial Management Information System.**
This ORACLE based application software is used for consolidation of Account Current Processing at Head quarters and generation of revenue And capital schedules for all divisions, workshops and Zonal Railway.

2. **AFRES-Advanced Finance and Railway Earnings & Expenditure System.**

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

- ❖ **Internal Check**—Establishment Bills and Expenditure bills registration, audit and payment.
- ❖ **Linked with PRIME** for employee payments.—
- ❖ **Suspense**—Establishments and Expenditure suspense monitoring and generation of suspense registers.
- ❖ **Books**—Cheques generation, Cheques & Banks Scroll reconciliation, of bank remittance, 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, re-conciliation.
 - + **NPS**—Maintains employee Pension Fund Account—debits & credits and Government contribution, re-conciliation, statutory reports and data transfer to NSDL. Monthly payment of pension for NPS subscribers.

- ❖ **PENSION**—Preparation of Pension Payment Orders. Settlement of retirement benefits, Reconciliation, etc.
- ❖ **Traffic Accounts**—Station Balance Sheet—for Goods, Coaching and Misc. Receipts.
- ❖ **Cash**—Revenue Earnings from Stations.
- ❖ **Pay**—Paymaster Generation of all bills and payments made to staff, Suppliers and Contractors. through NEFT/RTGS.
- ❖ **Advanced Railway Pension Access Network (ARPAN)** : This is Oracle D2K based application. In this application Client side web service will connect to the server where the retiree bill data for all zones/units will be pushed by the Pension Portal. This service will fetch the bill data and insert them into interface tables which are created in the ARFES DB for this purpose. The FORM has been created in D2K which needs to be compiled and linked to the transaction menu of the Pension Module. This D2K form will be used to select the bill number from interface table. Based on the bill, the data stored in the interface tables will be fetched in the form and can be viewed by the concerned bill passing clerk. The user can then directly view and generate the required printout.

2. General and workshop Payroll Systems

1. PRIME—Payroll and Related Independent Modules—

This ORACLE based software applications 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.
 - MACP arrears
 - PLB, DA arrears payments.
 - Other arrears bills viz., NDA, OT, etc.
- ❖ IT—projection statement, Form 16, etc.
- ❖ Education & Hostel Subsidy.
- ❖ 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.

Workshop General Register (WGR) & Labour Summary—

ORACLE based application software is being used for :

- ❖ Labour Summary Module
- ❖ WGR Module except stores portion

2. Freight Accounting System

ORACLE based application software is being used for :

- ❖ RMC data capturing and processing done in oracle.
- ❖ Data captured from FOIS terminal available at Traffic Accounts and necessary modification are carried out and used for ORACLE processing.
- ❖ Generation of other allied reports like Analysis, originating Statistics, Commodity-wise statistics etc.
- ❖ CONCOR inputs are also processed and tonnage and Revenue included in the respective Reports.
- ❖ Generation of 7A Reports and files is processed and forwarded to Railway Board through Statistical Branch.
- ❖ Transfer of data as per Railway Board Schedule to Centralized Apportionment System through Traffic Accounts.

3. Passenger Accounting System—

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

- ❖ Passenger Classification data capturing and internal check.
- ❖ Generation of validity listings and MIS reports for Traffic Accounts.
- ❖ Ticket Indent Work order generation.
- ❖ Normal and Emergency Indents.
- ❖ Validation of PRS & UTS data received from PRS (CCM).
- ❖ Summary file generation and data transfer to RITES for apportionment.
- ❖ Migration to ORACLE based system is in advanced stage.

4. Material Management System

Material Management System (MMGT)

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

- ❖ Migration to ORACLE based system is in advanced stage.

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.

Other Activities

- ❖ Budget

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

- ❖ Support for other Divisions and workshop for.
 - Processing of Payroll
 - Maintenance of Software and Database
- ❖ Maintenance of ROLIN Internet network used for ORACLE based PRIME and AFRES applications.
- ❖ Technical Clearance for any proposal of computerization software and hardware procurement, licensing, etc. as per SOP (5) of Misc. D.
- ❖ Computer learning Centre—
 - In house training for employees from other user departments in PRIME & AFRES and other software areas, viz. MS Office, etc.
 - ❖ Roughly 168 employees of the user department have been imparted training during the year 2014-15. The training has been given by the existing employees working as SE/IT and JE/IT in the SRITC/MMC, and also employees from the other department who are proficient in computer knowledge.

Infra Section :

1. Replacement of hardware Under Rolin (i.e) Network switch and related component that have outlived their useful life were proposed for inclusion in PWP of 2012-13. The same was approved by GM vide LAW of 62 & 78 and funds were allotted. This minimum allotment of funds was not sufficient to carry out the work.

Phase II proposal for Network switches was sanctioned vide LAW No.70 of 15-16, for which minimum funds were allotted which is not sufficient to carry out the work.

2. Replacement of Mid Range server, External Storage, SAN switch were proposed for procurement under allotment of LAW 15-16 of 98,99 and 100, for which P.O. to be released.

5. PUBLIC GRIEVANCES CELL

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

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

3. Details about the number of complaints received and dealt with in respect of major categories during 2014-15 as compared to those received during 2013-14 is given below :-

Sl. No.	Classification	Opening Balance	Number of complaints					
			2013-14			2014-15		
			Received	Disposed	Balance	Received	Disposed	Closing Balance
1.	Behaviour of staff	1	87	87	1	136	134	3
2.	Lack of Amenities/unsatisfactory maintenance of Amenities at stations/trains.	4	327	328	3	445	432	16
3.	Late running of trains	0	86	86	0	117	117	0
4.	Coaching—Reservations and other than reservations.	3	386	385	4	436	427	13
5.	Catering Arrangements	0	72	70	2	71	71	2
6.	Miscellaneous/Suggestions.	2	475	474	3	431	431	3

4. Number of complaints received, disposed of and pending during 2014-15 as compared to the previous year is as follows:-

Year	Opening Balance	Receipt	Total	Disposed	Pending
2013-2014	10	1433	1443	1430	13
2014-2015	13	1636	1649	1612	37

5. During 2014-2015, a total number of 1,636 complaints other than suggestions were registered as compared to 1,433 complaints in 2013-2014.

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

6. PUBLIC RELATIONS AND PUBLICITY (April 2014 – March 2015)

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

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

Press Coverage :

Dissemination of information to the travelling public is the primary responsibility of the department. Press releases, that are both informative – dealing with train operations and development-oriented – highlighting the achievements and innovations in the various facts of railway activities, are the basic inputs that keep the public abreast of day-to-day railway working. During the period, 1313 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 2 display advertisements 7 advertisements on social and safety themes and 1166 tender notifications were released in the national and regional newspapers and magazines. Besides focussing on developmental activities on Railways, the advertisements also served to educate the travelling public on safety issues such as level crossing at unmanned gates and carrying of inflammable articles in trains, etc., Advertisements notifying introduction of new trains, cancellation/changes in existing operations were also published in leading dailies.

Publicity Literature

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

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

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

Exhibitions

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

1. Photo Exhibition at Salem April 2014.
2. All India Industrial, Agricultural, Educational and Cultural Exhibition at Trichur from April 2014 to May 2014.
3. All India Heal and Educational Exhibition at Calicut May 2014.

4. Indian Manufacturing Show (IMS at Bangalore September 2014).
5. Indian International Trade Fair (IITF) November 2014.

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

Details of important events from 1/4/2014 to 31/3/2015

Date	Events
16-8-2014	Laying of Foundation Stone for Road Under Bridge in lieu of Level Crossing No.146-B by Shri D.V. Sadananda Gowda (Former Union Minister of Railways) at Mangalore Junction Railway Station.
26-9-2014	Inspection at Royapuram Railway station, Inauguration of pilot project of Wi-Fi facility at Chennai Central Railway Station & Southern Railway Zonal Review Meeting by Shri D.V. Sadananda Gowda (Former Union Minister of Railways).
01-10-2014	Golden Jubilee of Chennai Central-Bangalore-Chennai Central Brindavan Express trains by IRFCA (Indian Railways Fan Club) presided over by Shri Rakesh Misra (Former General Manager of Southern Railway).
02-10-2014	Inauguration of Swachh Bharat Campaign-Special Cleanliness Campaign on Railways by Shri Rakesh Misra (Former General Manager of Southern Railway).
09-01-2015	Opening of the gauge converted broad gauge section between Palani-Pollachi.
18-01-2015	Flagging off of the inaugural special train of Chennai Central Vishakapatnam weekly superfast express & Announcement of commencement of Chennai Central-Kamakhya Premium AC express by Shri Suresh Prabhakar Prabhu, Hon'ble Union Minister of Railways at Chennai Central Railway Station.
09-02-2015	Flagging off of the inaugural special train of Tiruchendur-Tirunelveli passenger train (daily). Shri Suresh Prabhakar Prabhu, Hon'ble Union Minister of Railways inaugurated the train service by Remote Flagging from New Delhi.
09-02-2015	Flagging off of the inaugural special train of Mannargudi-Bhagatki Kothi (Jodhpur) Weekly express. Shri Suresh Prabhakar Prabhu, Hon'ble Union Minister of Railways inaugurated the train service by Remote Flagging from New Delhi.
11-02-2015	Flagging off of the inaugural special train of Thiruvananthapuram-Nizamuddin (via Alappuzha) bi-weekly express. Shri Suresh Prabhakar Prabhu, Hon'ble Union Minister of Railways inaugurated the train service by Remote Flagging from New Delhi.

7. RAILWAY USERS' COMMITTEE

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

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

During the year 2014-2015 one meeting of DRUCC at Chennai, one meeting at Tiruchchirappalli and two meetings at Madurai were held. One meeting at Palakkad, One meeting at Thiruvananthapuram and One meeting at Salem were conducted.

Division	No. of meeting conducted during 2014-15
Chennai	1
TPJ	1
MDU	2
SA	1
PGT	1
TVC	1

8. VIGILANCE ORGANIZATION

The functions of the Vigilance Department comprise of Preventive, Investigative and Educative in the sphere of anti-corruption activities. Regular Seminars and Workshops were conducted by Vigilance Department to update the knowledge of the employees regarding the lapses in the system and also latest in force and to train them to be effective in discharge of their duties. Preventive checks are conducted to identify weak spots in the system and remedial actions are suggested to avoid revenue leakage. The vigilance/also monitors the DAR cases arising out of vigilance/SPE investigation. The complaints from President's Office & PMO references, CA-iii references, CVC's referred are dealt on priority. Source information on alleged irregularities are collected from various quarters and surprise checks are organized to nab the offenders indulged in irregularities. A close liaison is maintained with CVC & CBI. Preventive checks are conducted regularly on officials of doubtful integrity and those who are on "Agreed" and "Secret" lists.

2. Handling of Complaints

Detailed investigations are undertaken in all cases of genuine complaints, which are having vigilance angle. During the year 2014 - 2015, 180 complaints were taken up for investigation, 143 complaints (Gaz. 27 & Non-Gaz. 116) have been investigated and the results thereof are given below :-

	Gazetted	Non-Gazetted
No. of major penalty proceedings initiated.	2	1
No. of minor penalty proceedings initiated.	2	14

3. Preventive Checks:

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

During the year 2014 - 2015, 2,927 preventive checks were conducted by the Vigilance Organization. Department-wise breakup of checks done is furnished below :-

Department	No. of checks
Accounts	36
Civil Engineering	59
Electrical Engineering	50
Mechanical Engineering.. .. .	87
Medical	41
Personnel	201
Security	8
Signal & Tele-communication	40
Stores	50
Commercial/Operating	2,299
Others	56
Total	2,927

A total number of 12 "Decoy Checks" were conducted over stations, trains, circulating areas of major stations etc. during the year 2014 - 2015 to curb down the malpractices. In order to augment the checks made in mass contact areas, the vigilance organization is also conducting checks on tout activities. During the last financial year, vigilance conducted 652 checks and 194 touts/anti-social elements were apprehended and prosecuted. Tickets to the value of Rs.2,78,367/- were seized and an amount of Rs.1,41,450/- was collected as fine.

4. Punitive Action taken during the year 2014 - 2015

The Inquiry Organization functioning under SDGM & CVO has completed 65 departmental inquiries during the year 2014- 2015 and Inquiry Reports were sent to the concerned disciplinary authorities for necessary DAR action.

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

Penalty	Gazetted	Non-gazetted	Total
MAJOR	8	80	88
MINOR	9	706	715

5. Earnings accrued to the Railway through vigilance checks during the year 2014 - 2015 was Rs. 4,47,90,095/-

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

Sl. No.	Details of earnings	Amount in (₹)
1	Earnings from without ticket passengers	2,310
2	Earnings from un-booked luggage/parcels	960
3	Earnings from undercharges realized	4,15,82,251
4	Higher Travel	430
5	Demurrage/Wharfage charge	3,565
6	Earnings from excess/shortfall in Govt. cash	39,519
7	Other traffic recoveries	4,45,971
8	Leave Account / Establishment matter	11,25,683
9	Technical recoveries	12,15,006
10	Amount realized as fine by Court of Law	3,74,400
	Total	4,47,90,095

6. System Improvements suggested by Vigilance:

As a part of preventive vigilance, the following System Improvements were suggested during the year 2014-15 based on preventive checks and complaint investigations.

1. A system improvement was suggested to obtain prior permission of CPO for availing any kind of benefits extended by the outside agencies to Railway institutes.

2. System improvements while conducting selection were suggested to CPO, FA&CAO and CSC on the following lines :

(i) Henceforth, whenever selection is conducted, the constituted selection committee should be instantly supplied with all the relevant rules/provisions enacted by the Board/ Local instruction (wherever applicable) for the smooth and successful conduct of selection. An acknowledgement for having received/ read all the instructions Pertaining to the selection to be obtained from the respective selection committee members and invariably filed in the selection file.

(ii) All the Board's instruction related to OL policy and rules should be followed strictly while setting the question paper and to be ensured that there is no deviation contributed in this regard.

The Board's instructions in RBE No.26/2014 should be circulated to all concerned for strict adherence. As advised therein, the evaluating official should ensure in getting the correct / model answers from the question setter before commencing the work of evaluation.

3. System improvement was suggested to CPO for monitoring of court cases, wherein it was stated to devise effective mechanism in each division / Headquarters to maintain a separate register regarding compliance of Hon'ble Court orders in the respective Court Cell incorporating all the follow-up details till implementation of Hon'ble Court order and the same should be counter checked by the officer incharge for court cell atleast once in a month to ensure effective compliance of the Hon'ble Court orders.

4. The following System improvement in claiming of salary for reinstated employee was suggested to CPO, FA&CAO and CSC.

(i) The data pertaining to retired employees to be kept out of 'PRIME' database and accessibility to the same should be restricted and should require prior approval of Sr. EDPM or officer concerned.

(ii) The data access for cases of reinstatement should be done with proper approval of Sr. DPO.

5. System improvement in adopting uniform procedure to hand over the impersonator to the Civil Police Authorities was suggested to CSC, CPO, FA & CAO, Chairman/RRB/RRC on the following lines:

Immediately on detecting the impersonation case, in addition to adherence of all other extant instructions on this issue, the competent authority or Officer in-charge of the Section / Department (or) to the particular event should take the following action:

(i) Draw the proceedings, in English or in the language that is known to the impersonator duly bringing out the concomitance, if the proceedings drawn in any other regional language the same should be translated, instantly, in English.

- (ii) Draw the proceedings, invariably, in the presence of the following:
 - The officer in-charge (or) competent authority preferably a Gazetted Officer.
 - Impersonator / offender / miscreant.
 - Finger Print Examiner / Expert.
 - One witness amongst the colleague of the impersonator/offender/miscreant (wherever required and possible).
 - One (or) two independent witnesses.
 - (iii) All the signatories to the proceedings should sing and clearly mention their name, designation, department, Shop/Division, date, P.F. No./Token No., in all the pages/sheets (including in the translated version of the proceedings).
 - (iv) All the Right and Left Hand Finger(s) impression of the impersonator/offender/miscreant should be taken only in black colour, in duplicate, in the presence of the above said signatories and they should attest the same duly mentioning the details as stated in Sl. No. (c) above.
 - (v) The photographs of the impersonator/offender/miscreant should be taken at the time of drawing the proceedings and shall be affixed in a sheet. All the signatories to the proceedings should attest the photograph of the impersonator/offender/miscreant, duly mentioning the details as stated in Sl. No. (c) above.
6. System improvement ensuring possession of identification slip by the Railway staff while attending invigilation duty of the RRB/RRC examinations was suggested to Chairman, RRB/MAS/TVC and Chairman, RRC on the following lines:
- "It is suggested to instruct the PB and concerned authorities, to enclose the format of the Identification slip, at the time of notification issued for nomination of staff for invigilation duty, thereby to ensure that each Railway Staff, while reporting the invigilation duty of the RRB/RRC examination, are invariably in possession of identification slip.
7. A format was devised duly reflecting all stages of process in compassionate ground appointment. The Personnel Branch was suggested to maintain a register for Compassionate Ground Appointment cases in the suggested format to review the delay at different stages effectively.
 8. System improvement for proper implementation of penalty advice was suggested to CPO, FA & CAO and CSC on the following lines:
 - i. A suitable mechanism may be evolved for cross checking at least once in 3 months at officer's level with the Personnel Branch and concerned Executive Department to ensure implementation of penalty in its entirety.
 - ii. The implementation of penalty advice may be sent promptly to Disciplinary Authority to facilitate him to close the DAR case file.
 - iii. A system of test check to be adopted at Officers' level in Accounts Branch also for ensuring the proper implementation of penalty.
 9. A system improvement was suggested to record the detailed discussions of the Committee Members in the Minutes while recommending registration of the Pharmaceutical Companies, to CMD for taking appropriate action.
 10. A system improvement was sent to CPO to verify the community of the SC/ST employees before hand, while circulating the list of the SC/ST employees who were nominated as office bearers of All India SC/ST Railway Employees Association.

11. A system improvement was suggested to segregate metering of various category of loads such as commercial, office buildings, industrial & colony loads to avail the advantage of lower tariff for domestic and Government office use.
12. System improvement has been advised to CMD/MAS regarding Proper maintenance of First Aid boxes at various locations in Railway premises.
13. It was suggested to arrange for a power back up, while conducting the aptitude test at the RRB exam centres, considering the brief duration of the test timings, in order to avoid inconvenience to the candidates.
14. It was also noticed in a RRC exam center that the room could accommodate only 20 candidates, whereas 40 candidates have been allotted as per the schedule. It was suggested to RRC/MAS that while conducting RRC written examination it must be ensured that prior inspection should be made in the schools selected as exam centers and assess the suitability of the center so that unnecessary inconvenience can be avoided on this account.
15. As an outcome of the Quarters check conducted at one of the wayside station, it was noticed that, in the Quarters occupancy register, the photographs of the occupant and his/her family photo were not pasted. Hence, the system improvement has been suggested to initiate action for pasting the photographs of the occupants within a specified time.
16. A system improvement has been suggested to RRBs for insisting the production of Original ID in the Exam hall at the time of examinations, by the candidates appearing for the exam.
17. During a vigilance check conducted at the time of written test organized by RRC/MAS, it was observed that the Railway school/MDU has not been utilized as exam Centre in all the four exams conducted during the month of November 2014. It was suggested to explore the possibility of utilizing the Railway schools also as exam centres wherever feasible.
18. In some of the RRC exam centres at TPJ it was noticed that neither RPF nor State Police have been deployed during the conduct of the examination as security arrangement. Hence it was suggested that security arrangements are to be ensured duly getting the assistance of the State police for the smooth conduct of the examination.
19. A preventive check was conducted on the comprehensive cleaning contract at one of the major station, MDU and surrounding. During the check, it was noticed that there were regular short supply of machineries, equipments and consumables to be utilized for cleaning. CMD was advised a system improvement which is as follows:
The Estimate may be prepared as per actual requirement. The recovery/penalty clause may be modified in the future agreement as given below:
 - (a) Any recovery for non-utilisation of agreed machinery, equipment, consumable and manpower will be recovered based on the estimate rate / agreement rate, whichever is higher.
 - (b) Apart from the penalty of Rs.2,000/-, if the contractor continued with the short supply, a stringent penalty clause to be included in the agreement.

20. A preventive check has been conducted on RRC written examination and it is observed that the arrangement of room for sufficient seating of candidates has not been made in one of the Centre, where 40 candidates were allocated. The accommodation available was sufficient to accommodate only 20 candidates. Fortunately, due to poor attendance in written examination, which was less than 50%, the examination went peacefully. Hence, a system improvement was addressed to RRC/MAS for ensuring the seating arrangement for the requisite number of candidates allocated in a room.
21. A preventive check has been conducted on written examination and it is observed that Form I was issued to the Room Invigilator for obtaining the Seal Certification from the candidate for opening the Question Booklet Packet in a particular room. However, it is observed due to poor attendance in the written examination, all the question booklet packets issued to the Room Invigilators were not opened. Thus, a system improvement has been suggested to RRC/MAS for issuing Form I to the Invigilators in two sheets so that the Room Invigilator can certify the number of packets opened and in another sheet, number of packets not opened. The same has been acknowledged by RRC/MAS.
22. A preventive check was conducted on the aspect of conducting of written examination and it is observed that e-admit card / hall ticket does not contain the Father's name and Date of Birth of the candidate. A system improvement in this regard has been addressed to RRB/ Chennai.
23. In another preventive check on the RRB written examination, it is observed that candidates did not possess the original ID during the course of examination as per the terms and conditions laid down by RRB. A system improvement has been issued in this regard for submission of original ID card.
24. In a recent check carried out by vigilance on quality of materials used in re-cabling work of motor coaches in EMU Workshop/AVD, it was observed that 3 sq.mm. cable was indented instead of 2.5 sq.mm. cable as per ICF drawing without competent authority's approval. In light of the above fact, the following system improvement is suggested:

"Any major change on regular basis in the specification of materials/drawing from the existing standard design for Electrical and S&T assets shall be done only with the approval of competent authority."
25. System improvement was suggested regarding Kwh meters available at Railway Quarters.
 - (i) The Kwh meter was sealed with hologram sticker which is not a standard practice, standard sealing lead/plastic materials for Kwh meters shall be provided uniformly in all divisions;
 - (ii) The system of quarterly sample check of working condition of meters and recordings in meter cards in railway quarters shall be done by supervisor incharge in line with JPO issued by CESE & FA&CAO dated 14.09.2010 for outsiders.
26. System improvement was suggested regarding HSD oil: "Generator logbook shall be made standard throughout Southern Railway which along with other details should contain record of Diesel Ground stock including tank balance quantity."
27. During a vigilance check in an execution of tender work at a CN unit/ ERS, it is observed that a vague specification pertaining to LT main distribution board panel was attached with inspection call letter to inspection agency and test certificate/calibration certificate for current transformer, Ammeter Voltmeter & other items were not produced by inspection agency. This could lead to substandard quality as the LT panel switch gear assembly is normally manufactured by small firm.
 Hence, the following system improvement is suggested for implementation by all units of electrical department:
 1. Schedule diagram of panel shall be submitted by the contractor for approval and the same will be manufactured as per approved drawing.
 2. The clear specification for LT panel for MDB with switch gear shall be prepared and inspection details specified in tender documents and to inspection agency.
 3. Type of switchgears ACB/MCCB etc. shall be explicitly defined in the tender specification.
 4. Calibration certificate / Test certificate for CT, Ammeter, Voltmeter / MDB panel and all reports shall be provided to purchaser/consignee at the time of inspection/ installation.
28. During scrutiny of a tender file pertaining to 2012, it was noticed that ESOR of 2007 was followed to prepare estimate. As the ESOR of 2007 does not reflect the current rate of items, CEE/CN/MS was advised to revise the ESOR once in 3 years as per Board's instruction. It is also advised to include the following items in ESOR as it is being commonly used in electrical works.
 - a) MCCB
 - b) HDPE (various sizes used for crossings)
 - c) Modular Switches
 - d) Standards switch boards
 - e) Standardization of precooling plugs at stations.
29. During a vigilance investigation on Electrical Annual Maintenance Contract works, it was observed that processing of payments is done in different ways in different divisions and measurement book, which is mandatory is not written in all divisions for AMC works. Hence, the following system improvement is suggested for implementation in all divisions of Southern Railway for AMC works:
 - (i) Recording of measurements and test check by officers shall be done necessarily in Measurement Book for all AMC works.
 - (ii) A detailed procedure may be devised for conducting test check by Officers on AMC works, similar to CEE's office letter No. E 29/P/1 dated 10.4.1989 on responsibility of Divisional Electrical Engineers/ Assistant Electrical Engineers in Works Tenders.

30. During a vigilance check lapses were observed that (1) the details of sanctioned load and SD payment amount for outsiders/Govt./IRCTC consumers were not available in the office of SSE and division office (2) huge amount to the tune of Rs.1.27 cr. from railways quasi bodies like, Unions, Associations, Institute, Club & SRWO towards the electrical energy charges is pending. This has caused huge revenue loss to railway towards SD payment and electrical energy charges. Hence, the following system improvement is suggested for uniform implementation.
 - (i) Monthly update of electricity bills payment for all stalls including Rail Tel, IRCTC, ATM, Govt. office shall be maintained at SSE incharge office. In case no updates available, disconnection of electricity supply shall be done as per rule.
 - (ii) Sanction load may be reworked as per existing connected load for all stalls/others and sanction shall be obtained from competent authority. Additional security deposit amount if applicable may be collected and record shall be maintained in depot office.
 - (iii) Supervisors shall verify the connected load quarterly in major stalls like restaurants, etc. and the details of connected load shall be maintained in register and also include the same in MCDO.
 - (iv) Heavy penalty provision for extra connected load without sanction of Sr.DEE may be made and all stalls advised through bills.
 - (v) Regular review of recovery of energy bills from quasi railway bodies may be done and recovery ensured as per RB letter No.90/Elec.(G)/150/12 dated 31.10.1991.
31. During a vigilance investigation on misuse of office premises, it was observed that address declared at the time of appointment was not being updated by the employees, resulting in unforeseen issues. Hence a system improvement suggested that present residential address shall be declared by the employees along with family composition declaration, before 31st January of every year or within one month of any change in residential address.
32. During a vigilance investigation on quality of materials procured through GSD/PER, it was observed that many seasoned wooden switch boards stocked for issue were of poor quality on visual inspection and were unusable due to leakage/breakage. Hence the following system improvement is suggested for implementation to ensure quality of supplied materials by all procuring/accepting depots of Southern Railway.
 - (i) Stocking of switch boards made of metal (already being used in electrical wiring contract works) may be considered instead of seasoned wooden switch boards.
 - (ii) Tenderer should mention specific make in their offer instead of vague offers like "same as above". Such offers should be carefully examined and ambiguity in Make may be removed while issuing POs.
33. During vigilance checks conducted on provision of Air-conditioners in Railway, large scale violation of Railway Board and Southern Railway Electrical Headquarters guidelines have been noticed. The ACs have been provided to ineligible offices, workshops, offices and staff rooms which is draining railway money in the form of capital expenditure and energy charges.

In view of the above, concerned departments have been addressed for Identification and corrective action on unauthorized AC, procurement of AC and Energy audit.
34. In order to streamline the accountal of reclaimable items, the following system improvement was suggested. The reclaimable items from the rolling stocks should not be removed by the custodian before delivery of the stock. In case the reclaimable items are required urgently for replacement/repairs, the approval of concerned stores depot officer has to be obtained. The aspect has also to be mentioned in the field book of the witnessing officials.
35. Presently, stock indents are processed by both manually and MMIS generated vouchers for drawing of materials from store department. This system has a scope for the store custodian to forge the indented quantity. Hence, it is suggested to implement total computerization of stock indents from MMIS at consignee end itself.
36. The following system improvements are suggested to ensure effective regulation of BSNL telephone and excess call charge recovery:-
 1. The provision of residential BSNL landline telephones may be restricted as most of the officials are already provided with CUG phones.
 2. The excess/private call charges of residential BSNL landline telephones shall be recovered through salary bill only as followed in the case of CUG mobile phones.
 3. The S&T office shall maintain a file/register for excess call recoveries of all departments.
 4. The consolidated statement on group bills of BSNL landline telephones may be sent to concerned departments by S&T department for their advance information and necessary action.
 5. A Separate File/Register (or soft copy) shall be maintained in all offices which includes excess call charges and recovery particulars.
 6. The BSNL phones sanctioned to officers for their private residences shall be detached from group billing and the officers may be permitted to reimburse as per their eligibility.
 7. The transferred officer should apply for fresh sanction of residential phone instead of continuing the previous incumbent's connection. The provision of residential phones should not be done for a post instead it should be sanctioned for a person occupying the post as per his eligibility.
37. Field checks have revealed that the unserviceable and items completed codal life such as Battery Chargers, Relays, Stabilizer, Generators are being sent for scrap disposal as ferrous item as a whole without segregating the non ferrous components. Hence it is advised to segregate the ferrous and non ferrous components and account in terms of weight before sending for scrap disposal.

38. During a preventive check at S&T workshop/PTJ on the aspect of supply of wooden packing box for and packing IRS point machine, it was noticed that the boxes were fabricated at the workshop premises which is against the detailed specification mentioned in the LOA. The site conditions warrants fabrication of box at the site only, instead of supply of pre fabricated wooden boxes.

Hence, it is suggested that "While framing the Detailed Technical Specifications of the tender it shall be ensured that the conditions are framed as per the field requirement".

39. A system improvement is being suggested to include provision for accommodating extra persons while booking Retiring Rooms online and also to include the facility for booking the room for more than one day.

7. Vigilance Awareness Programmes:

- 1 SDGM with a team of vigilance officers conducted a workshop on vigilance case studies at Divisional Office/ Madurai on 13.05.2014 for the benefit of all branch officers.
- 2 A vigilance awareness programme was conducted on 12.06.14 at ZETTC/AVD on awareness of 'Vigilance check and Materials Management' to all supervisors of Electrical/Track and various depots of Chennai Division.
- 3 A vigilance awareness programme was organized on 25.06.14 at CEWE/O/PER to create awareness on rules and regulations among the staff dealing with Tender, DAR and Bills.
- 4 Two vigilance awareness programme thro' power point presentation were organized on 22.07.2014 and 23.07.2014 at DRM office Meeting Hall/TVC and DRM office Meeting Hall/MDU respectively to create awareness on rules and regulations among the staff dealing with Tender, Contracts, DAR & Bills and in-house vigilance.
- 5 Three lectures were given by CVIs/Tfc. For pro.TEs & pro.CCs on 26.07.14, 10.01.15 & 17.01.15 at ZRTI/TPJ.
- 6 Two lectures regarding contract management and execution of works were given for the benefit of OS/ SSE/JEs at Sr.DSTE/O/TVC on 22.07.14 and at Sr.DSTE/O/MDU on 23.07.14.
- 7 A vigilance awareness lecture was given for Modular course for JEs and SSEs at ZTC/S&T/PTJ on 08.08.2014
- 8 A seminar was conducted at Divisional Office/Palghat on 12.08.2014 on various aspects of contract management for office superintendents, SSEs/ Electrical and S&T.
- 9 The team of vigilance officers including SDGM conducted a workshop on vigilance case study on 28.10.2014 at ZRTI /TPJ for the benefit of officers of TPJ division.
- 10 Vigilance Awareness programme was conducted in the office of COS/O/PER on 29.10.14 by Shri Arindam Lai, Dy.CVO/S.
- 11 Vigilance awareness programme lecture with Power Point presentation at ZETTC/ANNR on 30.10.2014.
- 12 A seminar on "Vigilance Awareness" for the open-line staff was conducted by Shri K. Vijaya Prasad, AVO/G at Madurai division on 31.10.2014.
- 13 The CVIs of Accounts/Personnel & Medical, Stores & Mechanical Departments have conducted training programme at DSL Shed/ED, ERS, DTTC /GOC, RH/ GOC & SRCETC/TBM, during the Vigilance Awareness Week on 29.10.2014, 30.10.2014, 31.10.2014, 31.10.2014 & 01.11.2014 respectively.
- 14 A team of CVIs of Accounts/Personnel & Medical, Stores & Mechanical Departments have conducted a vigilance awareness on 18.11.2014 at S&T Workshop/PTJ to the officers, staff and trainees.
- 15 Vigilance awareness lecture given at PGT for S&T officials on 19.11.14.
- 16 Shri D.K.Yadav, Dy.CVO/S&T participated in Vigilance awareness seminar on "Contract Management" at Sulaya Hall/ Headquarters on 21.11.14 organized by Mechanical Department
- 17 Shri K.V.Sundaresan, Dy.CVO/M conducted a vigilance awareness programme at LW/PER for the benefit of the Officers on 28.11.14.
- 18 A lecture on "Vigilance in Operating Department" on 28.11.2014 and 4 lectures on vigilance awareness on 13.02.15, 14.02.15, 05.03.15 & 06.03.15 were delivered by Shri K. Vijayaprasad, AVO/G for pro.CC, pro.TEs and ECRCs at ZRTI/TPJ. A lecture given on 'Vigilance & Transparency' to S&WI at ZRTI/TPJ.
- 19 ARC refresher course conducted at AVD training centre on 10.12.2014 for TRD supervisory officials.
- 20 As a part of Vigilance Awareness Programme, a seminar was organized at DTTC/GOC on the topic of Contract Management on 12.12.2014.
- 21 Vigilance awareness class conducted at Diesel Loco Shed/TPJ for clerks and OS on 12.12.2014
- 22 Vigilance Awareness Programme was conducted for MAS Division Office and Open Line staff (S&T) at Sulaya Hall, Chennai on 23.12.2014.
- 23 A module on Vigilance is introduced as a integral part of training of Ticket Checking Staff. AVO/G conducted these trainings at MDU Division on 12/12/14, TPJ Division on 19/12/14 and SA Division on 30/12/14.
- 24 During the month, a seminar on Vigilance Awareness was conducted at Sr.DEE/RS/ED on General, Accounts, Personnel & Medical topics and around 50 staff attended including three officers.
- 25 Three seminars on the aspect of "Vigilance Awareness" have been conducted for Accts. & Pro-CC candidates attending the promotional Classes at ZRTI/TPJ on 19.02.15, 25.02.2015 and 26.02.2015.
- 26 Vigilance awareness programme was conducted at Zonal Training Centre/PTJ for modular course for SSE/ JE on 18.02.2015.
- 27 A Seminar on "Vigilance Awareness" was conducted for TTEs at PGT by Dy.CVO/T on 27.02.2015.
- 28 A Lecture given by Dy.CVO/L at Avadi on 11.02.2015 for SSEs/TRD.
- 29 Two seminars on vigilance awareness were conducted by Dy.CVO/S&T for officers, staff and field depot SSEs incharge of S&T department at Meeting hall DRM/SA Office on 11.03.2015 and at DRM/TPJ office on 18.03.15.
- 30 A seminar was conducted at CMRL / Chennai by the team of Vigilance officers on 12.03.2015 on the aspect of Vigilance Angle in Contract Management by giving a

Power Point presentation for the Officers and Staff. CMRL / Chennai has appreciated the presentation given by the Vigilance and requested for similar type of presentations at regular intervals for different groups.

- 31 During the year 2014-15, 2 guest lectures by Dy.CVO/E and 6 lectures by CVIs/Engineering were delivered for initial course / refresher course for SSEs/JEs of P.Way & Works cadre at SRCETC/TBM. A seminar on vigilance awareness was also conducted on 01.11.14 at SRCETC/TBM.

8. Vigilance Publications during 2014 – 15

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

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9. GENERAL MANAGER'S ANNUAL INSPECTION

General Manager's Annual Inspections along with Principal Heads of Department during the year April 2014 to March 2015 are as follows :—

Sl. No.	Dated	Division	Station From-To	Distance in Kms.	Gauge
1	07-10-2014	TVC	SRR-ERS	106.85	BG
2	17-10-2014	MAS	MAS-GDR	136.04	BG
3	12-11-2014	MDU	MNM-MDU DG-TPJ	206.31	BG
4	13-11-2014	TPJ	VRI-CUPJ-VM	103.74	BG
5	17-11-2014	PGT	MAQ-CAN	131.40	BG
6	18-11-2014	SA	ED-KRR-TP	137.16	BG



II. राजभाषा में प्रगति/PROGRESS OF HINDI

1. Organisation

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

2. Training in Hindi

In order to implement Official Language policy of Union of India, Southern Railway has been giving special attention in the training area. Since major part served by this Railway falls under Tamil Nadu, which is situated in 'C' region, time-bound training of all the employees is a challenging task. Ministry of Home affairs has extended the period for Hindi training upto 2025.

During the year 2014 -15 a total of 918 employees have been trained in Hindi under various training programmes.

3. Conversational Training

To give training to frontline staff who come in contact with the public, conversational training is being imparted. During the year 2014-15, 53 employees have been trained in Hindi Conversation Course.

4. Hindi Type Writing and Hindi Stenography

Hindi Typing and Hindi Stenography training is imparted through Hindi Teaching Scheme, Ministry of Home Affairs. Staff are given training in Hindi Computer Keyboard also. 5261 employees have been trained till now in Hindi Keyboard and they are typing out templates in Hindi. In Southern Railway 2860 dictations were given in Hindi also by the Officers during the year under review.

5. Hindi Workshop :- During the year 2014 -2015, 32 Hindi Workshops were conducted all over S.Rly and 8 Officers and 587 Employees were trained in the workshop.

6. Computerisation in Hindi

There are 3459 Computers in Southern Railway and all of them have bilingual facility. Southern Railway website WWW.southernrailway.org. & www.srailway.com have been made bilingual and important templates and Annual Programme have been uploaded on this site. Information regarding passenger amenities is also available in two languages i.e., English and Hindi. Besides, a separate page for HINDI is opened in the Intranet. Learn a word a day, competition results and other activities of Hindi are uploaded in the intranet from time to time.

7. Section 3 (3) of OL Act.

Documents coming under section 3(3) of the OL Act 1963 are to be issued in bilingual form. Southern Railway has achieved 100% (31.03.15) compliance during the year under review. All reports submitted to various Parliamentary Committees visiting this Railway have been prepared in Hindi-English bilingual form. All invitations for various functions have been printed in Hindi & English.

8. Implementation

OFFICIAL LANGUAGE IMPLEMENTATION COMMITTEE (OLIC)

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

9. Shield

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

10. Use of Hindi in Public Address Systems

A Computerised digital announcement system has been installed at important stations & trilingual announcements are made in Tamil, Hindi and English these stations.

11. Inspections made by Officers

During the ZOLIC/OLIC meetings are requested to inspect implementation of Hindi also during their routine inspections. Check list of items pertaining to OL Inspections has been provided to all the officers. During the year under review, 2694 inspections on Official Language aspect has also been included.

12. Preparation of Charts/Drawings in Hindi

Headings and sub-headings of Drawings of Engineering, Mechanical, Signal & Electrical branches of HQRS & Divisions are being prepared in Hindi also either manually or through computers on AUTO-CAD.

13. Original Work in Hindi

Noting in Hindi

During the year 2014-15, 44,247 notings were done in Hindi out of 1,24,960 notings in Hqrs, Divisions & Workshop.

Employees have used Hindi in their routine notings every quarter.

Entries in Registers/Diaries.

During the year 2014-15, 22620 headings/subjects on registers/Diaries were written in bilingual form and entries in 9991 registers/diaries were made in Hindi-English mixed language. All efforts are taken to make the remaining registers/diaries in bilingual form.

14. Use of Railnet

Reports such as Quarterly Progress Report and Half-yearly Progress Report are being sent to Railway Board through Railnet.

15. Usage of Templates

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

16. Hindi Magazine

House Magazines in Hindi are published regularly by all the Divisions, Hqrs. Office and Workshops of this Railway.

17. Seminars in Hindi

During the year 2014-15 seminars on various subjects in Hindi are conducted periodically by Hqrs. Divisions & Workshops of S. Rly. During the year under review 16 seminars were conducted.

18. Help Literatures

During the year 2014-15, 9 help literatures in Hindi on various subjects were printed & distributed in Hqrs. Divns. & Workshops of Southern Railway. Modules were prepared for Praveen and Pragya course.

19. Hindi Library

To increase the Hindi knowledge of officers and employees, 63 Hindi Libraries are functioning in this Railway. A total number of 78 Hindi Titles were purchased during the year under review for Headquarters. With a view to propagate & utilize the Hindi books, a quiz on the books 'AGNEY' was conducted. Besides, Book review, Skit & Doha competitions were conducted for Library Day celebrations of Hqrs. In all these competitions 92 Officers/ Employees participated.

20. Hindi Week Celebration

As every year this year also various competitions were conducted to increase interest in employees towards Hindi and to increase the usage of Hindi in official work. For the year 2014-15 Hindi Typing, noting and Drafting, Essay, Elocution and Singing Competitions were organized and 76 employees participated with much interest.

III. वित्तीय परिणाम/FINANCIAL RESULTS

Financial Results

Financial Results of working for the year 2014-15

(Rupees in lakhs of ₹)			
Particulars	Actuals 2013-14	Actuals 2014-15	
1. (a) Capital-at charge	10,42,508	12,12,091	
(b) Investment from Capital Fund	3,56,581	3,97,442	
2. (a) Gross Traffic Earnings ..	6,84,554	7,59,234	
(b) Suspense.. ..	-1,979	39	
(c) Gross Traffic Receipts ..	6,82,575	7,59,273	
3. (a) Ordinary Working Expenses	6,58,348	7,03,363	
(b) Suspense.. ..	-7,050	735	
(c) Ordinary Working Expenses (incl. susp.)	6,51,298	7,04,098	
4. Appropriation to D. R. F. ..	57,731	55,700	
5. Appropriation to Pension Fund ..	1,88,734	2,20,200	
6. Payment to worked lines ..	—	—	
7. Total working Expenses ..	8,97,763	9,79,998	
8. Net Traffic Receipts ..	-2,15,188	-2,20,725	
9. Net Miscellaneous Receipts ..	278	526	
10. Net Revenue	-2,14,910	-2,20,199	

(Rupees in lakhs of ₹)

Particulars	Actuals 2013-14	Actuals 2014-15
11. Payment to General Revenues— Subsidy from General Revenue towards Divident Relief and other concessions.	35,478	38,863
12. Surplus/Shortfall ..	-2,50,388	-2,59,062
13. Operating Ratio ..	132.18	128.98
14. Percentage of Net Revenue to Capital-at-charge and Investment from Capital Fund.	-15.36	-13.68

2. Traffic receipts

The details of Revenue Receipts for 2013-14 and 2014-15.

(Figures in lakhs of ₹)			
Heads of Traffic	2013-14	2014-15	Variation
Passenger ..	3,29,064	3,71,999	42,935
Other Coaching ..	37,577	39,734	2,157
Goods	2,79,728	3,04,572	24,844
Sundries	38,185	42,929	4,744
Suspense	(-) 1,979	39	2,018
Gross Earnings ..	6,82,575	7,59,273	76,698
Sundry Earnings 2013-14 includes CMRL earnings of Rs. 79.89 Lakhs.			
Sundry Earnings 2014-15 includes CMRL earnings of NIL.			

3. Coaching Earnings

(a) Passenger Earning under important Heads During 2014-2015 compared with 2013-2014

Particulars	Traffic Earnings				Difference		Percentage of Variation		
	2013-2014		2014-2015						
	Number of pass. (in thousands)	Earnings (in lakhs)	Number of pass. (in thousands)	Earnings (in lakhs)	Number of pass. (in thousands)	Earnings (in lakhs)	Number of pass. (in thousands)	Earnings (in lakhs)	
A. Non-Suburban									
Air-conditioned First Class	382	2,727	319	3,060	-63	333	-16.49	12.21	
Air-conditioned 2-Tier	4,200	24,097	4,252	27,506	52	3,409	1.24	14.15	
Air-conditioned 3-Tier	11,035	52,275	13,365	62,772	2,330	10,497	21.11	20.08	
A. C. Chair Car ..	3,822	12,813	3,810	14,191	-12	1,378	-0.31	10.75	
First Class—									
(a) Mail/Express ..	207	1,379	83	649	-124	-730	-59.90	-52.94	
(b) Ordinary ..	829	361	735	298	-94	-63	-11.34	-17.45	
Total ..	1,036	1,740	818	947	-218	-793	—	—	
Second Class Sleeper—									
(a) Mail/Express ..	61,097	1,10,765	96,731	1,27,484	35,634	16,719	58.32	15.09	
(b) Ordinary ..	583	551	1,049	673	466	122	79.93	22.14	
Second Class Ordinary—									
(a) Mail/Express ..	1,11,745	82,021	1,16,172	90,752	4,427	8,731	3.96	10.64	
(b) Ordinary ..	2,55,438	24,971	2,42,976	26,239	-12,462	1,268	-4.88	5.08	
Total Non-Suburban ..	4,49,338	3,11,960	4,79,492	3,53,624	30,154	41,664	6.71	13.36	
B. Suburban									
First Class (Ordinary)	95	57	88	63	-7	6	-7.37	10.53	
First Class (Season)	10,037	1,092	10,021	1,307	-16	215	-0.16	19.69	
Second Class (Ordinary)	1,73,599	10,581	1,78,626	11,502	5,027	921	2.90	8.70	
Second Class (Season)	2,24,202	5,374	2,06,904	5,503	-17,298	129	-7.72	2.40	
Total Suburban	4,07,933	17,104	3,95,639	18,375	-12,294	1,271	-3.01	7.43	
Grand Total	8,57,271	3,29,064	8,75,131	3,71,999	17,860	42,935	2.08	13.05	

(b) Goods earnings under important heads during 2014-15 compared with 2013-14

Sl. No.	Particulars	Tonnes carried-on System (in millions)		Earnings (₹ in lakhs)	
		2013-14	2014-15	2013-14	2014-15
A. Revenue Earnings Traffic:-					
1.	Products of Agriculture..	12,568	12,235	54,480	57,025
2.	Animals & Products of Animals.	0.000	0	0	0
3.	Products of Mines ..	30,920	28,985	1,02,537	1,14,963
4.	Mineral Oil ..	4,361	4,525	22,767	25,059
5.	Products of Forests ..	0,201	0,289	634	1,133
6.	Manufactures ..	14,841	15,216	59,615	63,966
7.	Miscellaneous ..	8,750	9,111	29,666	34,348
8.	Total Revenue traffic..	71,641	70,361	2,69,699	2,96,494

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 ..	0.240	0.236	0.00	0.00	
(b) For other Govt. Rlys., etc.	0.000	0.000	0.00	0.00	
11. Total Non-Revenue ..	0.240	0.236	0.00	0.00	
12. Grand Total Revenue and Non-Revenue	71.881	70.597	2,69,699	2,96,494	

(c) Other Coaching Earnings under important heads during 2014-15 compared with 2013-14.

(Figures in lakhs)				
Sl. No.	Particulars	2013-14	2014-15	Variation
1. Special Trains and reserved carriages (Public)	1,861	1,581	-280	
2. Special Trains and reserved carriages (Military)	888	1,068	180	
3. Luggage collected at stations ..	612	666	54	
4. Luggage collected by special-ticket checking staff.	232	410	178	
5. Public Parcels ..	15,459	17,362	1,903	
6. Transport of Mails..	2,967	2,585	-382	
7. Service Parcels ..	0.00	0	0.00	
8. Miscellaneous ..	15,558	16,062	504	
Total ..	37,577	39,734	2,157	
Less Refunds ..	0	0	0	
Net Other Coaching Earnings ..	37,577	39,734	2,157	
Total Coaching Earnings ..	3,66,641	4,11,733	45,092	

4. Ordinary Working Expenses
Appropriation Accounts for 2014-15—Statement showing percentage of Working Expenses to Earnings for the year 2014-15 :-

Name of the Railway	Percentage of Working Expenses to Earnings
Southern Railway	128.98

I. The Operating ratio—The Operating ratio of 2014-15 is 128.98 % is 3.20 points less than the Operating ratio of 2013-14. (132.18%).

(a) The Gross Earnings for 2014-15 is ₹ 7,592.34 crores as against ₹ 6,845.55 crores for 2013-14 with an increase of ₹ 746 crores (10.91%).

(b) The Ordinary Working Expenses for the year 2014-15 in respect of Grant No. 3 to 13 are more by ₹ 450.15 crores (6.84%).

(c) Appropriation to DRF has increased by ₹ 20.31 crores (-3.52%) and Appropriation to Pension Fund has increased by ₹ 314.66 crores (16.67%) during 2014-15.

(d) The Total Working Expenses for 2014-2015 including Appropriation to DRF and Pension Fund is ₹ 9,792.63 crores (excluding suspense) as against ₹ 9,048.13 crores for 2013-14 with an increase of ₹ 744.50 crores (8.23%).

II Earnings.—Analysis of variation over actuals of 2013-14.

(a) **Passengers :—**The increase under Passenger Earnings is ₹ 429.35 crores which amounts to 13.05% over the previous year. The break-up for the increase is as follows :—

(Figures in crores of ₹)			
Increase in fares ..	373.98		
Increase in traffic ..	55.37		
Total ..	429.35		

(b) **Other Coaching.—**The increase under Other Coaching Earnings is ₹ 21.56 crores which amounts to 5.74 % over the previous year. The details for the increase is as follows :—

(Figures in crores of Rs.)			
(i) Increase in Parcels ..	19.03		
(ii) Increase in Luggage ..	2.31		
(iii) Increase Under Military ..	-1.00		
(iv) Decrease in Postal Bills ..	-3.82		
(v) Increase under Others ..	5.04		
Total ..	21.56		

(c) **Goods Traffic :—**The increase of ₹ 248.44 crores over the last year amounts to 8.88 %. This is mainly due to :—

(Figures in crores of ₹)			
(i) Increase in Rates ..	248.27		
(ii) Increase in Traffic ..	21.73		
(iii) Decrease in Misc. earnings ..	-19.56		
Total ..	248.44		

(d) **Sundries :—**The increase is ₹ 47.45 crores over the previous year amounts to 12.43%. This can be mainly attributed to :—

(Figures in crores of ₹)			
(i) Increase under Rent ..	0.16		
(ii) Decrease in Demands Recoverables ..	-89.36		
(iii) Increase in Catering Earnings ..	52.71		
(iv) Increase in Others ..	83.93		
Total ..	47.44		

III. Working Expenses.—An analysis on variation over 2013-2014.

Increase under Ordinary working Expenses covered by Grants 3 to 12 on Gross basis (Voted) excluding suspense amounts ₹ 46,993.93 lakhs, which amounts to 7.12% more than that of the previous year. The reasons for the variations are dealt by PU wise :—

(Figures in thousands of ₹)		
(1) Salaries and Wages (PU-01)—		
Due to less payment paid ..	-20,021	
(2) Dearness Allowance (PU-02)—		
Due to twin hikes in DA ..	25,72,192	
(3) Productivity Linked Bonus (PU-03)—		
Due to more payments. ..	13,368	
(4) House Rent Allowance (PU-04)—		
Due to more Payments. ..	18,423	
(5) Transport Allowance (PU-07)—		
Due to twin hikes in DA ..	1,23,251	
(6) Kilometre Allowance (PU-10)		
Due to less payments ..	1,24,909	

(7) Overtime Allowance (PU-11)	
Due to more claims	99,037
(8) Night Duty Allowance (PU-12)—	
Due to enhancement in rates	76,981
(9) Other Allowance (PU-13)—	
Due to hike in rates by 25%	70,531
(10) Fees and Honoraria (PU-14)—	
Payment of less honorarium claims	(-) 2,289
(11) Transfer Allowance (PU-15)—	
Less payment on account of transfers	(-) 9,683
(12) Travelling Expenses (PU-16)—	
Due to hike in rates by 25%	1,83,424
(13) Leave encashment during service (PU-20)	15,110
Due to more claims	
(14) Children Education Allowance (PU-25)	49,329
Due to hike rates by 25%	
(15) Contingencies (PU-18 to 24)	20,845
Due to more payments of CUG, water charges & RPF contingencies.	
(16) Drawal from Stores (PU-27)	
More due to increase in activities - Track maintenance.	17,518
More drawals of stores for electric locomotive activities, Carriages & electrical, General services.	45,268
More drawals of stores for Elec. & Signal equipments maintenance.	76,957
More consumption of lubricants, Brake blocks & for station cleaning.	95,399
Due to decrease in HSD prices & Lesser GTKM	-15,95,566
More drawal of stores for other activities	2,797
Lesser drawal of stores for Gen Superintendence & Station operations.	-2,440
Total	13,60,067
(17) Cost of materials - Direct Purchase (PU-28)	
More due to increase in activities in Gen. Superintendence.	1,307
More due to increase in activities in track maintenance.	17,340
More purchase of material for DSL, locomotive maintenance & under Wagon.	17,519
Less purchase under for Signalling & electrical equipments.	-7,923
Less under linen procurement & sanitation.	-40,902
Less under steam traction	-411
More under medical procurements	67,046
Due to decrease in other activities	-3,009
Total	50,967
(18) Fuel for other than traction (PU-31)	
More consumption of fuel for generators in Rajdhani, Shatabdi & Duranto Express.	12,273
Due to increase other minor activities including fuel for staff cars	1,658
Total	13,931

(19) Contractual Payments (PU-32)	
More under Contractual payments for track maintenance.	2,73,140
Less due to contracts for DSL. & Elec. locomotives & Wagon maintenance & Gen Superintendence.	-15,343
More towards under Contractual Payments under Elect. S & T and Engg. Departments etc.,	53,192
More towards Electrical energy other than traction linen sanitation for Coaches and running room contracts.	1,21,407
More towards under Contractual payments under station sanitation.	76,128
Higher tariffs of Electrical Energy by TANGEDO & higher GTKMs.	6,19,085
More under repairs and maintenance of Residential & Welfare buildings.	97,068
More payments for catering contracts	1,41,249
Total	13,65,926
(20) Transfer of debits/credits from other Units (PU-33)	
More debit under Permanent Way	1,08,945
More inward debits under DSL. & Elect locos	12,314
More inward debits for Carriage & Wagons	79,097
More debits for S & T maintenance.	35,744
More Debits for supply of energy for non-traction purpose.	20,124
More debits from IRFC	2,15,450
More Debits towards both Elec. & DSL traction.	19,585
Less credits towards OHS (medical)	32,777
Less debits towards Catering establishment	-85,609
Less under other activities	-1,421
Total	4,37,006
(21) Adjustment of 'Wages' on POH (PU-34)	
More out turn under AC loco POH	59,383
Increase in activities mainly under DEMU	2,55,301
Decrease in POH activities of Mechanical, Electrical & S & T equipments.	-17,715
Total	2,96,969
(22) Adjustment of 'Materials' on POH (PU-35)	
Increase in activities in POH repairs of AC locomotives & RECAR and higher unit cost.	97,928
Increase in activities in POH of DEMUs and higher unit cost.	3,98,709
Decrease in POH activities of Mechanical, Electrical & S & T equipments.	-19,067
Other factors	465
Total	4,78,035
(23) Excise Duty (PU-36)	
More payments due to higher of ED rates towards HSD oil	2,04,024
Due due to other activities	2,783
Total	2,06,807
(24) Customs Duty (PU-37)	
NIL payment during the year.	-90
(25) Sales Tax (PU-38)	
Less payments towards ST for HSD oil	-1,43,509
Minor factor.	977
Total	-1,42,532

(26) Air Travel-Domestic (PU-39)	
Due to more payments	1,478
(27) Air Travel-Foreign (PU-40)	
Due to economy measures	- 301
(28) VAT (PU-41)	
More tax paid in lieu of Sales tax	7,621
(29) Arrear Payments – Salary & Wages (PU-42)	
Increase in Arrears payments	13,276
(30) Arrear Payments – Dearness Pay & DA (PU-43)	
Decrease in rates	-1,00,291
(31) Arrear Payments – Allowances other than DA (PU-44)	
Increase in Arrear payments	11,545
(32) Service Tax (PU-45)	
More payments towards Service Tax	31,807
(33) Cost of Computer (PU-50)	
Due to less procurement of PC by departments	-605
(34) Computer Consumables (PU-51)	
Less payments towards PRS terminals	-46,875
Due to other activities	6,561
Total	-40,314
(35) Laptops (PU-52)	
Newly introduced PU for purchase of Laptop for Officers.	82
(36) Other Expenses (PU-99)	
Lesser amount for RRC	-32,697
More freight charges for PW materials	20,963
Credits received for Damages to Wagons	-33,775
More rental for PRS terminals	9,362
Less freight charges	-1,974
More reimbursement of Medical expenditure & SBF.	12,823
More towards freight charges, Cost of Order Police & training charges	1,16,971
Due to other activities	1,063
Total	92,736

Percentage of Working expenses to earnings—

	Budget Grant	Revised Grant	Actuals	Actuals	Actuals
	2014-15	2014-15	2014-15	2013-14	2012-13
1. (a) Capital-at-charge	11,03,486	11,32,292	12,12,091	10,42,508	9,15,853
2. Investment from Capital Fund	3,97,971	3,97,896	3,97,442	3,56,581	3,56,581
3. Earnings—					
(a) Passenger	4,01,800	3,83,895	3,71,999	3,29,064	2,82,361
(b) Other Coaching	42,600	38,600	39,734	37,578	32,003
(c) Goods	3,10,200	3,15,117	3,04,572	2,79,728	2,53,675
(d) Sundries	36,136	38,800	42,929	38,185	34,636
(e) Total Gross Earnings	7,90,736	7,76,412	7,59,234	6,84,555	6,02,675
(f) Traffic Suspense and demands recoverable.	600	500	39	-1,979	-949
(g) Gross traffic receipts	7,91,336	7,76,912	7,59,273	6,82,575	6,01,926
4. Working Expenses—					
(a) Ordinary working Expenses	7,49,791	7,31,924	7,03,363	6,58,348	5,79,820
(b) Appropriation to DRF	49,100	55,700	55,700	57,731	51,100
(c) Appropriation to Pension Fund.	2,15,100	2,20,200	2,20,200	1,88,734	1,56,400
(d) Suspense	-2,816	-2,831	735	-7,050	-4,537
(e) Total working Expenses.	10,11,175	10,04,993	9,79,998	8,97,763	7,82,783
5. Net Traffic Receipts 3(g)-4(e)	-2,19,839	-2,28,081	-2,20,725	-2,15,187	-1,80,857
6. (a) Miscellaneous Receipts	459	540	577	544	327
(b) Miscellaneous Payments	53	59	51	266	280
(c) Net Miscellaneous Receipt.	406	481	526	278	47
7. Net Revenue 5+6 (c)	-2,19,433	-2,27,600	-2,20,199	-2,14,909	-1,80,810
8. (a) Payment to General Revenue	53,747	54,244	56,234	48,869	34,290
9. Subsidy from G. R. towards dividend relief & other concessions.	13,829	14,013	17,371	13,391	9,872
10. Surplus (+)/Deficit (-) (7-8+9)	-2,59,351	-2,67,831	-2,59,062	-2,50,387	-2,05,228
11. Percentage of working expenses to Gross Earnings	128.23	129.81	128.98	132.18	130.59

Percentage of Working expenses to earnings for the year 2014-15

Comparison of Gross Earnings, Working Expenses & Appropriation to Funds 2014-15 with that of 2013-14.

Summary

	Actual 2014-15	Actual 2013-14	Variation (+) More (-) Less	% of Variation
1. Gross Earnings	7,59,23,399	6,84,55,454	74,67,945	10.91
2. Ordinary Working Expenses (03-13) Net	7,03,36,263	6,58,34,795	45,01,468	6.84
3. Appropriation to DRF	55,70,000	57,73,100	-2,03,100..	-3.52
4. Appropriation to Pension Fund	2,20,20,000	1,88,73,400	31,46,600	16.67
5. Total (2+3+4)	9,79,26,263	9,04,81,295	74,44,968	8.23
6. Operating Ratio (5/1 *100)	128.98	132.18	-3.20	

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

De-mand No.	Abstract Particulars	2013-2014	2014-2015
(3) A	General Superintendence and Services	47,44,550	49,60,744
(4) B	Repairs and Maintenance of Permanent Way and Works.	58,87,762	66,48,169
(5) C	Repairs and Maintenance of Motive Power	30,28,403	33,45,949
(6) D	Repairs and Maintenance of Carriage and Wagon.	77,55,077	87,99,541
(7) E	Repairs and Maintenance of Plant and Equipment.	36,89,142	41,74,784
(8) F	Operating Expenses—Rolling Stock & Equipment.	55,39,869	63,46,098
(9) G	Operating Expenses—Traffic..	99,69,192	1,09,96,638
(10) H	Operating Expenses—Fuel	1,79,39,260	1,68,55,681
(11) J	Staff Welfare and Amenities ..	36,84,856	40,65,086
(12) K	Miscellaneous working expenses	29,89,930	34,10,798
(13) L	Net Provident Fund, Pension and other Retirement Benefits.	6,06,755	7,32,774
Total		6,58,34,796	7,03,36,263

Suspense—

(12) N. Demands Payable (DR.)	-2,72,222	-2,95,504
(12) N. Miscellaneous Advances Revenue	-4,32,787	3,69,045

(iii) The particulars of additional investment on the Line Capacity Works and Traffic Facility Works during the year 2014-2015 as compared to the previous year 2013-2014 are furnished below. A statement showing plan-head wise expenditure break-up for the above is also enclosed :—

(Net figures in thousands of ₹)

	2013-2014	2014-2015
(1) Capital ..	56,46,683	74,75,403
(2) D. R. F. ..	-1,48,367	-1,77,702
(3) D. F. ..	1,96,286	3,96,947
(4) Capital Fund ..	0	0
(5) O. L. W. R... ..	52	0
Total ..	56,94,654	76,94,648

Plan headwise expenditure breakup

(Net figures in thousand of ₹)

2013-2014	Capital	DRF	DF	Cap. Fund	OLWR	RSF	SRSF	Total
Gauge Conversion	29,36,595	-1,51,702	0	0	0	0	0	27,84,893
Doubling	26,60,254	4,540	0	0	0	0	0	26,64,794
Tfc. Facilities	49,834	-1,205	1,96,286	0	52	0	0	2,44,967
Total ..	56,46,683	-1,48,367	1,96,286	0	52	0	0	56,94,654

2014-2015	Capital	DRF	DF	Cap. Fund	OLWR	RSF	SRSF	Total
Gauge Conversion	33,73,375	(-) 2,26,772	0	0	0	0	0	31,46,603
Doubling	40,95,129	(-) 48,846	0	0	0	0	0	41,44,975
Tfc. Facilities	6,899	(-) 776	3,96,947	0	0	0	0	4,03,070
Total ..	74,75,403	(-)1,77,702	3,96,947	0	0	0	0	76,94,648

5. Capital

Statement showing the Capital-at-charge at the end of 31st March 2015 compared with 31st March 2014 is sent herewith: The capital-at-charge of this Railway stood at ₹. 12,12,091 lakhs at the end of 31st March, 2015 as against ₹. 10,42,508 lakhs at the end of 31st March 2014 :—

6. Assets and Liabilities —

(a) Profit and Loss Account for the year 2014-15 compared with 2013-2014

(Figures in thousands of ₹)				
Particulars	2013-2014	2014-2015	Particulars	2013-2014 2014-2015
I. To Working Expenses—			(i) By Earnings —	
A-3 General Superintendence & services..	47,44,550	49,60,744	Gross Traffic Receipts..	3,29,06,428 3,71,99,885
B-4 Repairs and Maintenance of Permanent Way and Works..	58,87,762	66,48,169	Passenger Earnings..	37,57,740 39,73,338
C-5 Repairs and Maintenance of Motive Power	30,28,403	33,45,949	Goods Earnings..	2,79,72,821 3,04,57,179
D-6 Repairs and Maintenance of Carriage and Wagons..	77,55,077	87,99,542	Others..	38,18,465 42,92,996
E-7 Repairs and Maintenance of Plant and equipment..	36,89,142	41,74,783	Suspense ..	1,97,943 3,900
F-8 Operating Expenses—Rolling Stock and equipment..	55,39,869	63,46,099		
G-9 Operating Expenses—Traffic	99,69,192	1,09,96,637	(ii) Miscellaneous receipts including receipts from Surcharge on Passenger Tickets..	53,585 57,700
H-10 Operating Expenses—Fuel..	1,79,39,260	1,68,55,681		
J-11 Staff Welfare and Amenities..	36,84,856	40,65,086	(iii) Subsidy from General Revenues towards Dividend..	13,39,088 17,37,082
K-12 Miscellaneous Working Expenses	29,89,930	34,10,798		
N-12 Suspense	(-) 7,05,009	73,541	(iv) Gross Loss..	2,02,92,873 2,60,61,238
L-13 Provident Fund, Pension and other Retirement Benefits..	6,06,755	7,32,775		
Appropriation to D. R. F. ..	57,73,100	55,70,000		
Appropriation to Pension Fund ..	1,88,73,400	2,20,20,000		
II. Payment to Worked Lines.				
III. Miscellaneous Expenditure—				
Survey ..	5,194	51,43,836		
Open line works (Revenue) ..	21,382	0		
Audit ..	1,56,334	1,72,461		
Government Inspection ..	0	0		
Cost of Railway Board ..	3,13,022	3,44,363		
Railway Recruitment Board ..	66,724	1,22,854		
Miscellaneous charges ..	0	0		
Total ..	9,03,38,943	10,37,83,318	Total ..	9,03,38,943 10,37,83,318
To Gross Loss ..	2,02,92,873	2,60,61,238		
Payment to Dividend to General Revenue	48,86,898	56,23,400		
Grand Total ..	2,51,79,771	3,16,84,638	Net Loss ..	2,51,79,771 3,68,46,638

(b) Statement of Assets and Liabilities as on 31st March 2015, 2014 & 2013 in the form of Block Account—

				(Figures in lakhs of ₹)			
Liabilities	As on 31st March			Assets	2013	2014	2015
	2013	2014	2015	As on 31st March			
I. (a) Investment Financed from—				1. Cash in Hand	10,307	11,718	11,434
(i) Loan Capital Advance by General Exchequer.	9,15,853	10,42,508	12,12,091	2. Block Account (Contra item 1)	20,41,428	22,41,400	25,33,831
(ii) Depreciation Reserve Fund	4,13,287	4,50,548	4,96,248	3. Funds with Central Government (Contra item 2 & 3)	-8,49,133	-8,97,911	-9,84,174
(iii) Development Fund	1,73,021	1,88,500	2,06,260	4. Miscellaneous Advance—Sundry Debtors (to be recovered or adjusted)	26,546	22,178	25,421
(iv) Capital Fund	3,56,581	3,56,581	3,97,442	5. Traffic Earnings (yet to be realised at the end of the year).	4,620	6,217	6,323
(v) Open Line Works Revenue	9,726	9,937	9,937	6. Items awaited adjustment with Civil Department, State Government, etc.	274	383	377
(vi) Railway Safety Fund	80,624	1,00,990	1,19,518				
(vii) Special Railway Safety Fund	92,328	92,328	92,328				
(b) Machinery and Equipment free of cost.	8	8	8				
	20,41,428	22,41,400	25,33,832				
2. Railway Reserve Fund—							
(i) Depreciation Reserve Fund	2,18,645	2,32,975	2,53,458				
(ii) Railway Revenue Reserve Fund	0	0	0				
(iii) Development Fund	-1,79,834	-1,95,877	-2,13,923				
(iv) Capital Fund	-3,43,876	-3,43,876	-3,84,737				
(v) Pension Fund	-5,89,018	-6,76,234	-7,66,084				
(vi) Railway Safety Fund	-80,132	-1,00,500	-1,19,027				
(vii) Special Railway Safety Fund	-43,732	0	0				
	-10,17,947	-10,83,512	-12,30,313				
3. Bank Account (Sundry Creditors)—							
(i) Provident Fund and other funds	10,00,004	1,04,429	1,10,902				
(ii) Miscellaneous Deposits	68,810	81,172	1,35,237				
	1,68,814	1,85,601	2,46,139				
4. Demands Payable (i. e.) liabilities remaining undischarged at the end.	27,095	29,817	32,773				
5. Net Liabilities arising out of inter-departmental transactions.	14,652	10,679	10,781				
				Total	12,34,042	13,83,985	15,93,212

7. Statement of Capital Assets at the end of March 2014 and March 2015 is given below —

(Figures in thousands of ₹)

Sl. No.	PARTICULARS	Capital at charge as on 31st March 2014	Capital at charge as on 31st March 2015
11.	New Line Construction ..	1,77,86,517	1,86,23,343
12.	Purchase of New line ..	1,31,779	1,31,779
13.	Restoration of dismantled line	-89	-89
14.	Gauge conversion ..	3,55,18,924	3,89,30,611
15.	Doubling ..	2,00,05,544	2,41,18,840
16.	Traffic facilities & Yard Remodelling	15,97,803	16,04,768
17.	Computerisation ..	7,793	23,589
21.	Rolling Stock ..	1,20,30,083	1,97,59,078
22.	Leased Assets..	99,82,900	99,82,900
23.	Unman LC ..	0	0
24.	Road over/Under Bridge..	10,973	10,973
25.	Track Renewals ..	-1,749	-1,749
26.	Bridge Works ..	8,812	8,812
27.	Signalling & Telecom. Works	1,21,130	1,21,130
28.	Taking over line wire from P. & T.	-2,316	-2,316
29.	Electrification Project ..	15,96,144	15,96,144
30.	Other Electrical Works ..	2,19,884	2,24,828
37.	Traction Distribution ..	3,085	29,961
41.	Machinery and Plant ..	4,48,883	6,08,562
42.	Workshop including production units	25,45,243	28,14,672
51.	Staff Quarters..	5,65,983	5,68,786
52.	Amenity for Staff ..	64,998	64,998
53.	(i) Passenger Amenities	6,060	6,060
	(ii) Other Railway users' Amenities.	-100	-100
62.	Investment in Government/Commercial undertaking Public services.	0	0
64.	Other specified works ..	3,20,736	3,40,826
71.	Suspense ..	22,50,408	26,97,672
	Deduct Receipt on Capital Account	11,30,883	12,02,974
	Total Capital at charge	10,40,88,545	12,10,61,104

8. The Position of the funds maintained by the Southern Railway for 2014–2015 is indicated below—

(Figures in thousands of ₹)

Nature of Fund Accounts	Opening balance as on 1st April 2014	Appropriation during the year 2014–2015 including interest and transfers without financial adjustment	Withdrawal from the fund Actual Expenditure	Balance as on 31st March 2015
1. Depreciation Reserve Fund.	2,32,97,508	67,50,976	47,02,685	2,53,45,800
2. Pension Fund	-6,76,23,453	1,85,06,434	2,74,91,418	-7,66,08,438

9. The sources of funds from which expenditure on works met during the year 2013–2014 and 2014–2015.

(Figures are Net and in thousands of Rupees)

	2013–2014	2014–2015
1. Capital (including Transfers without Financial Adjustment)	1,26,65,433	1,69,58,291
2. Depreciation Reserve Fund ..	55,56,708	47,02,685
3. Development Fund *	16,04,256	18,04,667
4. Railway Safety Fund ..	20,36,751	18,52,768
5. Special Railway Safety Fund ..	0	0
6. Open Line Works—Revenue ..	21,382	0
7. Capital Fund ..	0	40,86,100
Total	2,18,84,530	2,94,04,512
* Inclusive of Expenditure towards—		
	2013–2014	2014–2015
(i) Safety Works D.F. IV ..	1,56,639	2,00,818
(ii) Passenger Amenities Works ..	7,02,436	5,91,247

10. Statement showing the expenditure—Plan head-wise for the year 2014–2015

(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 5,17,282	3,19,544	-	-	-	-	-	-	-	-	-	-	-	-	5,17,282	3,19,544
	(11)	Credit 5,065	-	159	-	-	-	-	-	-	-	-	-	-	-	5224	-
		Net 5,12,217	3,19,544	-159	-	-	-	-	-	-	-	-	-	-	-	5,12,058	3,19,544
2.	Purchase New Lines	Gross	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(12)	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Net	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.	Gauge Conversion	Gross 34,03,719	7,968	-	-	-	-	-	-	-	-	-	-	-	-	34,03,719	7,968
	(14)	Credit 38,312	-	2,26,772	-	-	-	-	-	-	-	-	-	-	-	2,65,084	-
		Net 33,65,407	7,968	-2,26,772	-	-	-	-	-	-	-	-	-	-	-	31,38,635	7,968
4.	Doubling	Gross 40,85,082	28,214	65,172	-	-	-	-	-	-	-	-	-	-	-	41,50,254	28,234
	(15)	Credit 18,167	-	15,326	-	-	-	-	-	-	-	-	-	-	-	33,493	-
		Net 40,66,915	28,214	49,846	-	-	-	-	-	-	-	-	-	-	-	41,16,761	28,214
5.	Traffic Facilities	Gross 6,965	-	-	4,02,368	-	-	-	-	-	-	-	-	-	-	4,09,333	-
	(16)	Credit 66	-	776	-	5,420	-	-	-	-	-	-	-	-	-	6,262	-
		Net 6,899	-	-776	-	3,96,948	-	-	-	-	-	-	-	-	-	4,03,071	-
6.	Computerisation	Gross 15,796	-	26,640	-	13,242	-	-	-	-	-	-	-	-	-	55,678	-
	(17)	Credit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Net 15,796	-	26,640	-	13,242	-	-	-	-	-	-	-	-	-	55,678	-

Statement showing the expenditure—Plan head-wise for the year 2014-2015—Contd.)

(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)
7.	Railway Research Works (18)	Gross	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Net	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8.	Rolling Stock (21)	Gross	7728995	..	1486835	..	29	..	..	..	..	..	..	..	..	9215859	..
		Credit	..	..	95428	..	..	..	..	..	..	..	..	..	..	95428	..
		Net	7728995	..	1391407	..	29	..	..	..	..	..	..	..	..	9120431	..
(i)	Locomotives	Gross	-370461	..	526307	..	..	..	..	..	..	..	..	..	..	155846	..
		Credit	..	..	16895	..	..	..	..	..	..	..	..	..	..	16895	..
		Net	-370461	..	509412	..	..	..	..	..	..	..	..	..	..	138951	..
(ii)	Loco Spares	Gross	123006	..	150748	..	..	..	..	..	..	..	..	..	..	273754	..
		Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Net	123006	..	150748	..	..	..	..	..	..	..	..	..	..	273754	..
(iii)	Carriages	Gross	7849823	..	623221	..	29	..	..	..	..	..	..	..	..	8473073	..
		Credit	..	..	20523	..	..	..	..	..	..	..	..	..	..	20523	..
		Net	7849823	..	602698	..	29	..	..	..	..	..	..	..	..	8452550	..
(iv)	Wagons	Gross	-30518	..	169450	..	..	..	..	..	..	..	..	..	..	138932	..
		Credit	..	..	58010	..	..	..	..	..	..	..	..	..	..	58010	..
		Net	-30518	..	111440	..	..	..	..	..	..	..	..	..	..	80922	..
(v)	Rail-cum-road service.	Gross	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Net	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(vi)	Others	Gross	12164	..	15450	..	..	..	..	..	..	..	..	..	..	27614	..
		Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Net	12164	..	15450	..	..	..	..	..	..	..	..	..	..	27614	..
(vii)	Track Machine	Gross	144981	..	1689	..	..	..	..	..	..	..	..	..	..	146640	..
		Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Net	144981	..	1689	..	..	..	..	..	..	..	..	..	..	146640	..
9.	LA-LC TO IRFC, ETC. (22)	Gross	..	..	..	..	..	4E+06	..	..	..	..	..	..	..	4086100	..
		Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Net	..	..	..	..	..	4E+06	..	..	..	..	..	..	..	4086100	..
10.	RD-SFT-UN-MAN (29)	Gross	..	..	..	..	..	..	374439	492	..	..	..	..	..	374439	492
		Credit	..	..	..	..	..	..	221	..	..	..	..	..	..	221	..
		Net	..	..	..	..	..	..	374218	492	..	..	..	..	..	374218	492
11.	RD-SFT-OB/UB (30)	Gross	..	..	..	..	..	..	1477939	526	..	..	..	..	..	1477939	526
		Credit	..	..	..	..	..	..	407	..	..	..	..	..	..	407	..
		Net	..	..	..	..	..	..	1477532	526	..	..	..	..	..	1477532	526
12.	Track Renewals (31)	Gross	..	..	3173971	1722	..	..	..	..	..	..	..	..	..	3173971	1722
		Credit	..	..	1137715	..	..	..	..	..	..	..	..	..	..	1137715	..
		Net	..	..	2036256	1722	..	..	..	..	..	..	..	..	..	2036256	1722
13.	Bridge Works (32)	Gross	..	..	304413	6	..	..	..	..	..	..	..	..	..	304413	6
		Credit	..	..	383	..	..	..	..	..	..	..	..	..	..	383	..
		Net	..	..	304030	6	..	..	..	..	..	..	..	..	..	304030	6
14.	Signalling and Tele-communication (33)	Gross	..	..	400445	..	354978	..	..	..	..	..	..	..	..	755423	..
		Credit	..	..	4573	..	3267	..	..	..	..	..	..	..	..	7840	..
		Net	..	..	395872	..	351711	..	..	..	..	..	..	..	..	747583	..
15.	Taking of lines from P. & T. (34)	Gross	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Net	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16.	Electrification Project. (35)	Gross	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Net	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17.	Other Electrical Works. Excluding Traction Distribution (36)	Gross	4944	..	21242	..	3545	..	..	..	..	..	..	..	..	29731	..
		Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Net	4944	..	21242	..	3545	..	..	..	..	..	..	..	..	29731	..

Statement showing the expenditure—Plan head-wise for the year 2014–2015—(Concl.)

(Figures in thousands of ₹)

Sl. No.	Plan Head	Capital		DRF		D F		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)
18. Other Electrical Works. Traction distribution (37)	Gross	26876	..	73429	..	6157	..	..	..	..	..	..	..	..	..	106462	..
	Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Net	26876	..	73429	..	6157	..	..	..	..	..	..	..	..	..	106462	..
19. Machinery & Plant (41)	Gross	159680	..	248850	11	13696	..	..	..	..	..	..	..	..	..	422226	11
	Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Net	159680	..	248850	11	13696	..	..	..	..	..	..	..	..	..	422226	11
20. Workshops (42)	Gross	265741	3688	113827	..	175419	..	..	..	..	..	..	..	..	..	554987	3688
	Credit	10481	..	400	..	80	..	..	..	..	..	..	..	..	..	10961	..
	Net	255260	3688	113427	..	175339	..	..	..	..	..	..	..	..	..	544026	3688
21. Staff Quarters (51)	Gross	2803	..	1,08,518	..	..	..	..	..	..	..	..	..	..	..	1,11,321	..
	Credit	..	..	2,321	..	..	..	..	..	..	..	..	..	..	..	2,321	..
	Net	2803	..	1,06,197	..	..	..	..	..	..	..	..	..	..	..	1,09,000	..
22. Amenities for Staff (52)	Gross	..	..	40,551	..	1,84,158	3405	..	..	..	..	..	..	..	..	2,24,709	3405
	Credit	..	..	33	..	..	..	..	..	..	..	..	..	..	..	33	..
	Net	..	..	40,518	..	1,84,158	3405	..	..	..	..	..	..	..	..	2,24,676	3405
23. (i) Passenger Amenities. (53)	Gross	..	..	1,06,855	..	5,89,818	2010	..	..	..	..	..	..	..	..	6,96,673	2010
	Credit	..	..	..	..	138	..	..	..	..	..	..	..	..	..	138	..
	Net	..	..	1,06,855	..	5,89,680	2010	..	..	..	..	..	..	..	..	6,96,535	2010
24. (ii) Other Railway Users Amenities (53)	Gross	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Net	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
25. Investment in Govt. commercial under taking public under takings. (62)	Gross	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Net	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26. Other specified Works. (64)	Gross	20090	..	14,084	..	64,749	..	..	..	..	..	..	..	..	..	98,923	..
	Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Net	20090	..	14,084	..	64,749	..	..	..	..	..	..	..	..	..	98,923	..
27. Stores Suspense	Gross	3,22,79,884	..	..	..	..	..	..	..	..	..	..	..	..	..	3,22,79,884	..
	Credit	3,18,04,066	..	..	..	..	..	..	..	..	..	..	..	..	..	3,18,04,066	..
	Net	475818	..	..	..	..	..	..	..	..	..	..	..	..	..	4,75,818	..
28. Manufacture Suspense	Gross	1,72,34,732	..	..	..	..	..	..	..	..	..	..	..	..	..	1,72,34,732	..
	Credit	1,72,63,088	..	..	..	..	..	..	..	..	..	..	..	..	..	1,72,63,088	..
	Net	-28,356	..	..	..	..	..	..	..	..	..	..	..	..	..	-28,356	..
29. Miscellaneous Advance	Gross	4,728	..	..	..	..	..	..	..	..	..	..	..	..	..	4,728	..
	Credit	4,926	..	..	..	..	..	..	..	..	..	..	..	..	..	4,926	..
	Net	-198	..	..	..	..	..	..	..	..	..	..	..	..	..	-198	..
30. Grand Total ..	Gross	6,57,57,317	3,59,414	61,84,832	1,739,18,08	159	5,415	4E+06	..	18,52,378	1018	..	..	..	..	7,96,88,786	3,67,586
	Credit	4,91,44,171	..	14,83,886	..	8,905	..	..	..	628	..	..	..	..	..	5,06,37,590	..
	Net	1,66,13,146	3,59,414	47,00,946	1,739,17,99	254	5,415	4E+06	..	18,51,750	1018	..	..	..	..	2,90,51,196	3,67,586

Statement showing the break-up- of expenditure under the plan head “Rolling Stock” for the year 2014–2015.

21. Rolling Stock—

(Figures in thousands of ₹)

Sl. No.	Plan Head	Capital		DRF		DF		Capital Fund		RSF		SRSF		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)
(i) Locomotives	B.O.Gr. & Net.	..	..	5,98,955	..	..	..	..	..	..	..	..	..	..	..	5,98,955	..
	O.B.O.Gross	-370461	..	-72,648	..	..	..	..	..	..	..	..	..	..	..	-4,43,109	..
	Credit	..	..	16,895	..	..	..	..	..	..	..	..	..	..	..	16,895	..
	Net	-370461	..	-89543	..	..	..	..	..	..	..	..	..	..	..	-4,60,004	..
(ii) Loco spares	B.O.Gr. & Net.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	O.B.O.Gross	1,23,006	..	1,50,748	..	..	..	..	..	..	..	..	..	..	..	2,73,754	..
	Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Net	1,23,006	..	1,50,748	..	..	..	..	..	..	..	..	..	..	..	2,73,754	..
(iii) Carriages	B.O.Gr. & Net.	79,16,701	..	4,56,788	..	29	..	..	..	..	..	..	..	..	..	83,73,518	..
	O.B.O.Gross	-66,878	..	1,66,433	..	..	..	..	..	..	..	..	..	..	..	99,555	..
	Credit	..	..	20,523	..	..	..	..	..	..	..	..	..	..	..	20,523	..
	Net	-66,878	..	1,45,910	..	..	..	..	..	..	..	..	..	..	..	29,032	..
(iv) Wagons	B.O. Gr. & Net.	27,233	..	1,69,986	..	..	..	..	..	..	..	..	..	..	..	1,97,219	..
	O.B.O.Gross	-57,751	..	-536	..	..	..	..	..	..	..	..	..	..	..	-58,287	..
	Credit	..	..	58,010	..	..	..	..	..	..	..	..	..	..	..	58,010	..
	Net	-57,751	..	-58,546	..	..	..	..	..	..	..	..	..	..	..	-1,16,297	..
(v) Rail-cum-Road Service.	B.O.Gr. & Net.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	O.B.O.Gross	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Net	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(vi) Others	B.O.Gr. & Net.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	O. B. O.Gross	12,164	..	15,450	..	..	..	..	..	..	..	..	..	..	..	27,614	..
	Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Net	12,164	..	15,450	..	..	..	..	..	..	..	..	..	..	..	27,614	..
(vii) Track Machine	B.O.Gr. & Net.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	O. B. O. Gross	1,44,981	..	1,689	..	..	..	..	..	..	..	..	..	..	..	1,46,640	..
	Credit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Net	1,44,981	..	1,689	..	..	..	..	..	..	..	..	..	..	..	1,46,640	..
Total	B.O.Gr. & Net.	79,43,934	..	12,25,729	..	29	..	..	..	..	..	..	..	..	..	91,69,692	..
	O.B.O.Gross	-2,14,939	..	2,61,106	..	..	..	..	..	..	..	..	..	..	..	46,167	..
	Credit	..	..	95,428	..	..	..	..	..	..	..	..	..	..	..	95,428	..
	Net	-2,14,939	..	1,65,678	..	..	..	..	..	..	..	..	..	..	..	-49,261	..
Rolling Stock Grand Total	Gross	77,28,995	..	14,86,835	..	29	..	..	..	..	..	..	..	..	..	92,15,859	..
	Credit	..	..	95,428	..	..	..	..	..	..	..	..	..	..	..	95,428	..
	Net	77,28,995	..	13,91,407	..	29	..	..	..	..	..	..	..	..	..	91,20,431	..

Statement showing the break-up of Expenditure under the Plan Head “ Machinery and Plant ” for the year 2014-2015.

(Figures in thousands of ₹.)

[illegible]

Statement showing the break-up of Expenditure under the Plan Head "Machinery and Plant" for the year 2014-2015—(Concld.)

Sl. No.	Plan Head	Capital		DRF		DF		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 Net	..	..	896	..	..	..	..	..	..	..	..	..	..	..	896	..
	Net	..	..	896	..	..	..	..	..	..	..	..	..	..	..	896	..
(vii) Medical	Gross Credit Net	..	..	26,093	..	5,177	..	..	..	..	..	..	..	..	..	31,270	..
	Net	..	..	26,093	..	5,177	..	..	..	..	..	..	..	..	..	31,270	..
(viii) Security	Gross Credit Net	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(ix) Operating	Gross Credit Net	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(x) General	Gross Credit Net	1,19,695	..	11,570	..	..	..	..	..	..	..	..	..	..	..	1,31,265	..
	Net	1,19,695	..	11,570	..	..	..	..	..	..	..	..	..	..	..	1,31,265	..
Total Machinery and Plant	Gross Credit Net	1,59,680	..	2,48,850	..	11	13,696	..	..	..	..	..	..	..	..	4,22,226	..
	Net	1,59,680	..	2,48,850	..	11	13,696	..	..	..	..	..	..	..	..	4,22,226	11

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

(Figures in lakhs of ₹)

Sl. No.	Particulars	2012-13	2013-14	2014-15	Sl. No.	Particulars	2012-13	2013-14	2014-15
1.	Expenditure actually booked	1,04,822.45	1,15,688.69	1,30,458.92	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.	9,8377.19	8,888.69	22,442.77	(i)	Expenditure on Locomotives Workshop Repairs..	4,195.39	5,547.55	5,108.10
3.	Locomotives				(ii)	Proportionate amount of extraneous factors.	393.72	426.23	878.74
I. Steam—					(iii)	Debits raised by CLW/CRJ, DLW, etc.	101.10	0.00	0.00
(i)	Expenditure on Locomotives Workshop Repairs.	45.89	31.28	68.67	(iv)	Comparable expenditure item (i) Minus item (ii) Minus (iii).	3,700.57	5,121.32	4,229.36
(ii)	Proportionate amount of extraneous factors.	4.31	2.40	11.81	(v)	Index of comparable expenditure (Per cent).	120.29	138.39	114.29
(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)]).	41.58	28.88	56.86	Broad Gauge	..	59.00	55.00	44.00
(v)	Index of Comparable expenditure (per cent).	27.35	69.44	136.73	Metre Gauge	..	1.00	1.00	1.00
(vi)	(a) Performance measured in terms of standard 1st Class or units repaired—				(b)	Performance measured per million equated engine kilometres—			
Broad Gauge	..	..	..	..	Broad Gauge	..	0.43	0.27	0.32
Metre Gauge	..	0.00	0.00	0.00	Metre Gauge	..	3.07	7.58	7.87
(b)	Performance measured per million equated engine kilometres—				III. Electrical—				
Broad Gauge	..	..	..	..	(i)	Expenditure on Locomotives workshop Repairs.	7,325.71	7,964.77	9,790.65
Metre Gauge	..	0.00	0.00	0.00	(ii)	Proportionate amount of extraneous factors.	687.49	611.96	1,684.28
					(iii)	Debits raised by South Central Railway for work done.	..	..	..
					(iv)	Comparable expenditure item (i) Minus item (ii) Minus (iii).	6,638.22	7,352.81	8,106.37

Sl. No.	Particulars	2012-13	2013-14	2014-15
(v)	Index of comparable expenditure (Per cent).	100.18	110.76	122.12
(vi)(a)	Performance measured in terms of standard 1st Class or units repaired—			
	Broad Gauge ..	376.46	402.76	375.20
	Metre Gauge ..	..	..	..
(b)	Performance measured per million equated engine kilometres—			
	Broad Gauge ..	1.82	1.73	1.39
	Metre Gauge ..	..	..	..
(c)	Performance measured per million Gross tonne kilometres—			
	Broad Gauge ..	0.007	0.007	0.007
	Metre Gauge ..	..	..	..

IV. Carriages—

(i)	Expenditure on Carriage Workshop Repairs.	27,651.11	29,447.70	33,553.75
(ii)	Proportionate amount of extraneous factors.	2,594.95	2,262.55	5,772.23
(iii)	Comparable expenditure [(Item (i) minus Item (ii) minus (iii).]	25,056.16	27,185.15	27,781.52
(iv)	Index of Comparable expenditure (Per cent)	113.46	108.50	110.88
(v)	(a) Performance measured in terms of number repaired.			
	(1) Passenger Carriages (in terms of four-wheelers)			
	Broad Gauge	2,872.00	2,903.00	3,901.00
	Metre Gauge	28.00	0.00	0.00
	(2) Other Coaching Vehicles			
	Broad Gauge	606.00	611.00	616.00
	Metre Gauge	0.00	0.00	0.00
	(3) Performance of passenger carriage measured per million passenger train kilometres—			
	Broad Gauge	60.48	57.50	58.56
	Metre Gauge	189.19	0.00	0.00
	(4) Performance of other coaching vehicles measured per million vehicle kilometres—			
	Broad Gauge	4.30	6.30	6.35

(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).	113.72	99.44	99.35
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V. Wagons—

(i)	Expenditure on Wagon work - shop Repairs.	3,037.16	4,206.11	5,169.19
(ii)	Proportionate amount of extraneous factors.	285.03	323.17	889.25
(iii)	Debits raised by other Railways for POH of S. Rly. Wagons.	3,110.00	3,707.07	4,640.19

Sl. No.	Particulars	2012-13	2013-14	2014-15
(iv)	Comparable expenditure (Item (i) Minus item (ii) Minus (iii)).	-357.87	-175.87	-360.25
(v)	Index of comparable expenditure (Per cent).	-64.73	-49.14	100.67
(vi)	(a) Performance measured in terms of number repaired			
	Broad Gauge	92.00	105.00	133.00
	(b) Performance measured per million wagon Kms. (in terms of four wheelers)—			
	Broad Gauge ..	0.18	0.20	0.24***
	(c) Performance measured per million net tonne kilometres—			
	Broad Gauge ..	0.005	0.006	0.007
(vi)	Weighted index of performance (weightage given on the basis of unit cost of repairs for the different gauge) (Per cent).	64.87	83.76	120.79
(vii)	Expenditure on other than loco carriage and wagon workshop repairs as booked.	62,567.19	68,491.28	76,768.56
(viii)	Proportionate amount of element of extraneous factors.	5,871.69	5,262.38	13,206.45
(ix)	Comparable expenditure (Item VII—Item VIII)	56,695.50	63,228.90	63,562.11
(x)	Index of comparable expenditure (Per cent).	99.69	111.52	112.11
(xi)	Gross tonne kilometres (All traction goods and proportionate of mixed plus passenger EMU and Rail Cars) (in millions).	88,718	92,241	96,941
(xii)	Index of Performance ..	99.39	103.97	109.27

*** In terms of 8 wheelers

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

(Figures in lakhs of ₹)

Particulars	Actuals 2012-13	Actuals 2013-14	Actuals 2014-15
1. Gross expenditure under Grant No. 08-F.	53,000.23	56,623.83	64,797.73
2. Extraneous items to be excluded.—			
(a) Expenditure on Electrical services.	10,155.42	10,709.24	12,018.05
(b) Effect of Additional D. A. & I. R.	0.00	2,364.62	5,811.65
(c) Effect of PLB	0.00	-58.73	2.69
(d) Increase in Cost of Stores	0.00	213.10	1,167.09
Total Item II ..	10,155.42	13,228.23	18,999.48
3. Comparable expenditure (Item 1 minus Item II).	42,844.81	43,395.60	45,798.25
4. Index of comparable expenditure (Per cent)	100.00	101.29	106.89
5. Performance measured in terms of Train kilometres.	70,750.00	73,717.00	76,542.00
6. Index of performance (per cent)	100.00	104.19	108.19

Grant No. 9—Operating Expenses—Traffic—

(Figures in lakhs of ₹)

Particulars	Actuals 2012-13	Actuals 2013-14	Actuals 2014-15
1. Gross expenditure under Grant No. 08-F.	97,132.07	99,733.92	1,10,023.59
2. Extraneous items to be excluded.—			
(a) Effect of Additional D.A. & I.R.	0.00	5,426.91	11,778.12
(b) Effect of PLB	0.00	-117.27	-75.93
(c) Effect of IRCA & IRFC transaction			
I. R. C. A.	0.00	1,230.48	-1,639.90
I. R. F. C.	0.00	7,048.00	14,598.00
Total Item II ..	0.00	13,588.12	24,660.29
3. Comparable expenditure (Item I, minus Item II)	97,132.07	86,145.80	85,363.30
4. Index of comparable expenditure (Per cent).	100.00	88.69	87.88
5. Performance measured in terms of Train kilometres	70,750.00	73,717.00	76,542.00
6. Index of performance (Per cent).	100.00	104.19	108.19

Grant No. 10—Operating Expenses—Fuel

(Figures in lakhs of ₹)

Particulars	2012-13	2013-14	2014-15
I. Gross expenditure under Grant No.10—Operating Expenses—Fuel.	1,36,604.48	1,79,619.45	1,68,882.09
II. Extraneous factors contributing to increase/decrease in Gross expenditure —			
(1) Increase in rates of D. A. and I. R.	..	37.35	70.38
(2) Annual scale increase, Operating of posts and restructuring of cadre.	..	-2.68	-12.21
(3) Increase in other allowances.	..	-12.34	-17.90

(Figures in lakhs of ₹)

Particulars	2012-13	2013-14	2014-15
(4) Variation of sea-rail freight due to change in freight structures including reduction in subsidy.	..	..	..
(5) More/Less adjustment of storages.	..	560.25	542.14
(6) Increase/Decrease due to change in average rate of freight.	..	-0.12	-8.64
(7) Increase in prime cost of Coal.	..	28,002.52	14,343.38
(8) Increase in prime cost of Diesel.	..	24.13	17.14
(9) Increase in average cess and sales tax on coal (due to revision of cess rate).	..	6,275.24	7,578.88
(10) Increase in average cess and Sales tax on H. S. D. oil (due to change of supply point).	..	4,069.00	5,213.83
(11) Revision of Electricity charges including penal levy.	..	..	..
(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	..	38,953.34	27,727.00
III. Comparable Expenditure (Item I—Item II).	1,36,604.48	1,40,666.11	1,41,155.09
IV. Index of Comparable expenditure.	100.00	102.97	103.33
V. Performance measured in terms of Gross Tonne Kilometer of all tractions (in Millions).	88,718	92,241	96,941
VI. Index of Performance	100.00	103.97	109.27



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

New Lines Opened

Sl. No.	Divn.	Name of Work	Estimate Cost Rs. in Lakhs	Remarks
a) New lines opened during the year 2013-2014				
1.	MAS	Nil		
2.	SA	Nil		
3.	PGT	Nil		
4.	TVC	Nil		
5.	TPJ	Nil		
6.	MDU	Nil		
7.	CE/CN/ERS	Nil		
8.	CE/CN/MS	Nil		
9.	MTP	Nil		

2. New Lines Under Construction

Sl. No.	Division	Name of Works	Cost ₹. in crores	% of over all progress as on 31/03/15	Remarks
1(a). New Lines Under Construction					
1.	MAS	Nil			
2.	SA	Nil			
3.	PGT	Nil			
4.	TVC	Nil			
5.	TPJ	Nil			
6.	MDU	Nil			
7.	CE/CN/ERS	Angamali-Sabarimala new BG line. Guruvayur - Tirunavaya new BG line.	156600 13771	7.50% 1.50%	Angamali-Kaladi section work is in final stage. GUV Yard work Phase II Completed.
8.	CE/CN/MS	Karur - Salem New line (85 kms) (PB No.2)	870.00	99%	Estimate for Rs.229.88 crores sanctioned by Board. Revised estimate for Rs.774.90 cr. vetted by finance and submitted to Railway Board for sanction. All pending court cases regarding land acquisition were disposed and Railways have taken physical possession of required land except at a few locations of ROBs. Extra compensation court cases - out of 1300 cases, 240 cases finalised and the balance are pending in various courts. This section was inspected by CRS on 25th, 26th & 27th of February and his authorisation has been received with 85 kmph section opened for passenger traffic from 25.05.2013. The section handed over to Open Line Department on 26.07.2013.
		Tindivanam-Gingee - Tiruvannamalai (70 kms.) - New line (PB No.4)	490.00	6%	Detailed estimate sanctioned by Railway Board for ₹. 227.40 crores vide letter No.2008/W1/NL/SR/TT dated 21.07.2008. Details of land acquisition proposal submitted to the Tamil Nadu State Government during the month of June, July 2010 and December 2013. State Government has asked for depositing ₹. 11.51 cr. towards land compensation and the same has been deposited. After getting adequate land,

Sl. No.	Division	Name of Works	Cost ₹. in crores	% of over all progress as on 2013-14	Remarks
New Lines Under Construction—Contd.					
		Tindivanam-Nagari (179.20 km) - New line (PB No.5)	1080	10%	tenders will be called. In the meantime, agency fixed for construction of 8 major bridges. Out of 8 nos. 4 completed and 4 in progress. An amount of ₹. 49.60 lakhs deposited towards forming of one land acquisition cell in Villupuram district for Tindivanam-Nagari New line project in addition to this project. ₹. 47.89 lakhs deposited towards forming of land acquisition cell in Tiruvannamalai district for the project and Tindivanam-Nagari new line project. Detailed estimate has been sanctioned by Railway Board for ₹. 582.83 crores for the entire project vide Railway Board vide letter No.2007/W1/NL/SR/TN dated 21.07.2008. In Walajah Road - Arcot section (13 km) Walajah Road-Ranipet (6.5 km) completed. Ranipet-Arcot section (6.5 km) In Karai, Ranipetai & Arcot land taken over. For land in Veppur village, between Ranipet & Arcot, Hon'ble High Court has given direction for land acquisition process under normal clause instead of urgency clause. Land to be acquired as per new Act, a fresh proposal to be initiated. Review Petition filed in High Court for alignment. For remaining section, land acquisition is pending. As the District Collector of Villupuram, Tiruvannamalai, Vellore & Tiruvallur has expressed their inability to process for land acquisition with the existing staff available, they have requested to form a special cell. Railway has accepted and forming of special land acquisition cell is under process. Administrative sanction for land has been received in November 2011. State Government has asked for depositing ₹. 57.62 crs. towards land compensation in Villupuram & Vellore districts and Railway has deposited the amount in Tiruvallur Dt. & Chittoor (A.P.) requirements are yet to be received. An amount of Rs.49.60 lakhs deposited towards forming of land acquisition cell in Villupuram district. ₹. 47.89 lakhs deposited towards forming of land acquisition cell in Tiruvannamalai district for the project & Tindivanam-Tiruvannamalai new line project G.O. issued for forming of land acquisition cell in Vellore District.
		Attipattu-Puttur (88.3 kms) (PB No.6)	528.00	1%	Work included in Pink Book in the year 2008-09 at a cost of ₹. 446.87 crores. The detailed estimate for ₹. 527.37 crs. Sanctioned by Railway Board vide No.2002/W-1/NL/S/1 dated 07.09.2011. Final location survey work completed. Originally the project was to be taken up under 50:50 cost sharing with Ennore Port Trust (Ministry of Shipping). However, EPT has recently advised that they would not be cost sharing the project as the anticipated traffic in the section is not expected to be realised. Board have been advised to take a decision in the matter.

Sl. No.	Division	Name of Works	Cost ₹. in crores	% of over all progress as on 2013-14	Remarks
New Lines Under Construction—Contd.					
		Erode-Palani (91.05 kms). (PB No.7).	603.22	1%	Land requirements furnished to Tamil Nadu and Andhra Pradesh State Governments. Regarding the issue of entrusting the physical execution of the project to RVNL, Railway Board have now advised that this project should stay with Southern Railway. Land plan schedule for 22 villages in Tamil Nadu area and 22 villages in A.P. submitted to concerned District Collectors for acquiring the land. Budget Grant for land payment is not available. Though detailed estimate is sanctioned, tenders are not called for want of Board's decision. Though detailed estimate is sanctioned, tenders are not called for want of Board's decision. New work included in Pink Book in the year 2008-09 at a cost of ₹. 288.87 crores. Detailed estimate for ₹. 603 crores has been prepared and submitted to Railway Board on 13.08.2010. Physical execution will be taken up after acquisition of adequate land and after getting sanction of the detailed estimate. All papers for the acquisition of the land for 3 districts submitted. In the mean time Railway Board vide their letter No.2007/W1/NL/SR/EP dt.08.12.2010 observed that this new lien project is not considered necessary from operational point of view and a number of similar projects are not making much progress for want of funds. Accordingly, it was advised to State Government to provide land free of cost and share 50% of the balance cost of the project. This has been conveyed to Railway Board. This project has been frozen by Board vide letter No.2007/W-1/NL/SR/EP dated 06.07.2011 and again reconfirmed by Board vide letter No.2007/W-1/NL/SR/EP dated 05.02.2013. Once again Govt. of Tamil Nadu has been requested to provide land free of cost and also to share 50% of the cost of the project vide this office letter No.W.193/XXII/27/CN dt.22.11.2013. But, State Government has again reiterated that they are not in a position to consider the Railway's request vide their letter No.490/I.1/2011-13 dt.07.02.2014. As detailed estimate has not been sanctioned and project has been frozen by Board, tenders not called.
		Chennai-Cuddalore (via) Mamallapuram (179.28 kms) (PB No.8)	1200.00	7%	New work included in Pink Book in the year 2008-09 at a cost of ₹. 523.52 crores & revised to Rs.1200 crs. During 2014-15. Final location survey is on hand. Part survey in Puducherry State has been completed and Part detailed estimate between New Puducherry and Varakalapattu (26.40 km) has been submitted to Board on 21.02.2012 and

Sl. No.	Division	Name of Works	Cost ₹. in crores	% of over all progress as on 2013-14	Remarks
New Lines Under Construction—Contd.					
					Board queries attended. Estimate is not yet sanctioned. Estimate for Mamallapuram-Puducherry prepared and vetted by Finance and being sent to Railway Board. Perungudi-Mamallapuram survey involves soil investigations and strengthening measures in view of coastal region and poor soil conditions. The Government of Puducherry is yet to approve the alignment. Railway Board recently has asked to rework the ROR for the detailed estimate cost. As the alignment is to take off from Perungudi, there will be limitation in running freight trains in the new line. Hence, it is proposed to give a new link from Chengalpattu to Mamallapuram connecting the Chennai Beach-Villupuram section at Chengalpattu. For the proposed new BG line from Chennai (Perungudi) to Cuddalore via Mamallapuram, striking out the alignment is completed. 186.425 kms. of alignment has been struck and part estimate prepared for new Puducherry-Varakkalpattu & Mamallapuram-New Puducherry portions. The Govt. of Puducherry has requested the Railway Board that the alignment from New Puducherry to Cuddalore is to be taken closer to the East Coast Road. In reply to this, the Railway Board has directed the Zonal Railway to conduct a feasibility study for an alternative alignment. The feasible alternative alignment was completed from New Puducherry to Cuddalore and particulars furnished to both Govt. of Tamil Nadu and Govt. of Puducherry to give the comments for the proposed alternative alignment. In turn, Govt. of Puducherry has given the consent for the alignment suggested by them up to Melparikkalpattu road. The district Collector, Cuddalore has forwarded his consent to Govt. of Tamil Nadu from Melparikkalpattu towards Cuddalore for the same alignment. The above details were sent to Railway Board vide letter W.MTP/W/3/Chennai-Cuddalore/Vol.II dated 30.12.2014 and requested to give approval for the same alignment to do FLS on this alignment. Tenders are not called as detailed estimate has not been sanctioned.
		Madurai-Tuticorin (via) Aruppukottai (143.5 km.) (PB No.9)	800.00	2%	New work included in the year 2011-12. State Government of Tamil Nadu has been requested to convey their consent to provide land free of cost and also to share 50% of the balance cost of the project vide this office letter No.337/1/203/CN dt.31.12.2010 but TN Govt. has turned down the request. Final location survey is on hand. For two block

Sl. No.	Division	Name of Works	Cost ₹. in crores	% of over all progress as on 2013-14	Remarks
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New Lines Under Construction—Concd.

Sriperumbudur-Gudavanchery
with spur to Irungattukottai-Avadi -
Sriperumbudur (60 Km) (PB No.10).

1500.00

0%

sections at Tuticorin (Milavittan) end, priority is given in view of new power plants coming up in the area. Milavittan-Melamarudur (17.5 km) part detailed estimate for Rs.120.70 cr. sanctioned by Railway Board vide letter No.2009/W1/NL/SR/MT dt.20.03.2014 after pruning down the proposed cost of ₹. 172.71 cr. duly deleting provision of two nos. of ROBs. As per approved working section, the estimate proposal of ROB over NH 45 B is revised as RUB. Hence, Board will be requested for sanction of RUB in NH 45B. State Govt. Officers have been persuaded for early land acquisition of this section between Milavittan & Melamaruthur. Issue of Form 3(2)A is in progress.

New work included in the year 2013-14. Tender schedule for FLS sanctioned by GM. Contract awarded Railway Board permission for incurring expenditure for the project is yet to be communicated. Survey work is in progress. Index Plan & working plan for the section is under scrutiny for the section between Avadi and Sriperumbudur. Govt. of Tamil Nadu vide their letter (Ms) No.24 dt.02.03.2010 had communicated the Government's decision to share up to 50% of the project work for Irungattukottai-Sriperumbudur-Oragadam-Guduvanchery. Railway Board vide letter no.2007/W-1/NL/SR/ a dt.11.03.2011 and 19.05.2011 had advised for getting the consent of Govt. of Tamil Nadu for cost sharing and for providing land free of cost. Accordingly, Govt. of Tamil Nadu had been advised vide letter No.337/1/194/ CN/Vol.II dt.18.03.2011 and 10.06.2011 to share 50% of the cost of the project and provide land free cost. Again, State Govt. has been reminded vide letter dt.24.04.2013 & 08.01.2014 in this regard.

MTP Nil

(I) (b) New Lines sanctioned works during 2014-15.

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

Sl. No.	Division	Name of Works	Cost ₹. in Lakhs	Remarks
3. Surveys				
a) SURVEYS SANCTIONED DURING THE YEAR 2014-15				
1.	MAS	Nil		
2.	SA	Nil		
3.	PGT	Nil		
4.	TVC	Nil		
5.	TPJ	Nil		
6.	MDU	Nil		
7.	CE/CN/ERS	Nil	4.29	Railway Board has sanctioned vide letter No.2012/W-1/Genl/Surveys/Budget dated 27.02.2014 (Sl.No.4/DL). Survey report was submitted to Railway Board on 30.09.2014. Railway Board's decision in this connection is awaited.
8.	CE/CN/MS	Preliminary Engineering cum Traffic survey for doubling between Salem and Omalur (11 Km).		
			6.00	Survey report was submitted to Railway Board on 11.05.2015. Railway Board's decision in this connection is awaited.
		Reconnaissance Engineering cum Traffic survey for extension of Tindivanam - Nagari new line upto Pondicherry (44.50 km).		
9.	MTP	Nil		
b) SURVEYS IN PROGRESS DURING THE YEAR 2014-15.				
1.	MAS	Nil		
2.	SA	Nil		
3.	PGT	Nil		
4.	TVC	Nil		
5.	TPJ	Nil		
6.	MDU	Nil		
7.	CE/CN/ERS	Nil	9.75	Field survey completed and draft report submitted by the agency under scrutiny. Yard diagrams sent and approved by CTPM. Abstract estimate is sent to finance for vetting at a cost of ₹. 559.31 Cr.
8.	CE/CN/MS	Reconnaissance Engineering cum Traffic survey for a new line between Thanjavur and Pudukkottai via Gandarvakkottai.		
			30.03	Field survey completed and draft report submitted by the agency under scrutiny. Yard diagrams sent and approved by CTPM. Abstract estimate is sent to finance for vetting at a cost of ₹. 1687.15 Cr.
		Reconnaissance Engineering cum Traffic survey for new line between Kanchipuram - Tiruvannamalai-Katpadi.		
			10.05	Field Survey completed and draft report submitted by the agency under scrutiny. Yard diagram sent and approved by CTPM. Abstract estimate is sent to finance for vetting at a cost of ₹. 915.39 Cr.
		Reconnaissance Engineering cum Traffic survey for new line between Kumbakkonam and Vridhachalam via. Jayankondam & Andimadam.		

Sl. No.	Division	Name of Works	Cost ₹. in Lakhs	Remarks
Survey—Contd.				
		Reconnaissance Engineering cum Traffic survey for new line between Karaikudi and Dindigul via. Nattam.	15.75	Field Survey completed and draft report submitted by the agency under scrutiny. Yard diagram sent and approved by CTPM. Abstract estimate as vetted by finance at a cost of Rs.1314.29 Cr. IRR is under finance vetting.
		Reconnaissance Engineering cum Traffic survey for new line between Tirunelveli and Sankarankoil via. Pettai, Pudur, Sendamaram, Veerasigmaamani.	24.00	Field Survey completed and draft report submitted by the agency under scrutiny. Yard diagram sent and approved by CTPM. Abstract estimate is sent to finance for vetting at a cost of Rs.883.60 Cr.
		Reconnaissance Engineering cum Traffic survey for new line between Aloor - Nagercoil - Chettikulam.	3.60	Field Survey completed and draft report submitted by the agency under scrutiny. Yard diagram sent and approved by CTPM. Abstract estimate is sent to finance for vetting at a cost of Rs.278.10 Cr.
		Preliminary Engineering cum Traffic survey for a 3rd line between Shoranur and Mangalore (Exg. Double line).	127.53	Field Survey completed and report submitted by the agency. Survey Report/estimate/scale drawing is under finalisation. Yard diagrams approved by CTPM and abstract estimate is sent to finance for vetting at a cost of Rs.2013.97 Cr.
		Preliminary Engineering cum traffic survey for a new line between Idappalli and Guruvayur via. Udyogamandal, Kodungallur, Irinjalakuda town, Tiruorayar, Padoor.	20.31	Field Survey completed and report submitted by the agency under scrutiny. Yard diagram approved by CTPM. Abstract estimate as vetted by finance at a cost of Rs.1362.96 Cr. IRR is under finance vetting.
		Reconnaissance Engineering cum Traffic survey for new line between Angadippuram and Ottapalam via. Adakkapuyhur, Anganganadi, Vaniyamkulam.	18.15	Field Survey completed and draft report submitted by the agency under scrutiny. Yard diagram approved by CTPM. Abstract estimate is sent to finance for vetting at a cost of Rs.740.46 Cr.
		Reconnaissance Engineering cum Traffic survey for new line BG line between Kanhangad-Panāthur - Kaniyuru.	10.80	RET Survey sanctioned by Board vide letter No.2012/W-1/Genel/Surveys/Budget dated 25.08.2014. The survey estimate prepared and vetted by accounts. Field survey completed and yard diagrams sent to CTPM for approval and abstract estimate is sent to finance for vetting at a cost of Rs.1108.53 Cr.

9 MTP Nil

c) SURVEYS COMPLETED DURING THE YEAR 2014-15.

1	MAS	Nil
2	SA	Nil
3	PGT	Nil
4	TVC	Nil
5	TPJ	Nil
6	MDU	Nil
7	CE/CN/ERS	Nil

Sl. No.	Division	Name of Works	Cost Rs.in Lakhs	Remarks
Survey—Concid.				
8	CE/CN/MS	Updating of RETS for a new line form Dindigul to Kumuli via Bodinayakkanur and alternative via Teni.	828.22 ROR:(-)3.669% Total:Rs.727.57 ROR:(+) 0.445	Survey report was submitted to Railway Board on 22.05.2014. Observations asked by Board is replied. Railway Board's decision in this connection awaited.
		Updating of Reconnaissance Engineering cum Traffic Survey for a new BG line form Thanjavur to Ariyalur via Tirumanur.	Total Rs.452.09 ROR:(-)0.048%	Railway Board has ordered for updating in the year 2013-14. Updated survey report was submitted to Railway Board on 30.06.2014. Railway Board's decision awaited.
		Preliminary engineering cum traffic survey for doubling between Salem and Omalur.	Total Rs.61.75 ROR:(+) 4.629%	Railway Board has sanctioned vide letter No.2012/W-1/Genl/Surveys/Budget dated 27.02.2014 (Sl.No.4/DL). Survey report was submitted to Railway Board on 30.09.2014. Railway Board's decision in this connection awaited.
		PETS between Podanur - Palghat 3rd line (Exg. Double line).	Total Rs.410.37 ROR:(+) 4.678%	Surey report was submitted to Railway Board on 31.10.2014. Railway Board's decision in this connection awaited.
		Reconnaissance Engineering cum Traffic Survey for a new BG line form Madurai to Karaikkudi via Melur and Tiruppattur Road.	Total: Rs.649.60 IRR is (-) 7.742%	Railway Board has ordered for updating in 2013-14. Updated survey report was submitted to Raiwlay Board on 27.11.2014. Railway Board's decision awaited.
		Updating for a new BG line between Portblair and Digtipur.	Total: Rs.1987.46 ROR:(-)9.004%	Survey report was submitted to Railway Board on 16.12.2014. Railway Board's decision in this connection awaited.
		PETS between Ernakulam - Shoranur via Thrisur 3rd line (Exg. Double line).	Total Rs.1517.53 ROR:(+) 2.648%	Survey report was submitted to Railway Baord on 30.01.2015. Raiwlay Baord decision awaited.

4. Lines Closed During the year 2014-2015

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

5. Progress of Major Project Works

Sl. No.	Name of work	Estimated Cost (Rs.in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2014 (Rs. in Lakhs)	Physical Progress (%)	Remarks
1.0 New Lines							
1.	Karur - Salem New Line (85 kms.) (PB No.2):	87000	1996 - 97	2013	79336	99%	Estimate for Rs.229.88 crores sanctioned by Board. Revised estimate for Rs.774.90 cr. vetted by finance & submitted to Railway Board for sanction. All pending court cases regarding land acquisition were disposed & Rlys. have taken physical possession of required land except at a few locations of ROB. Extra compensation court cases - out of 1300 cases, 240 cases finalised and the balance are pending in various courts. This section was inspected by CRS on 25th, 26th & 27th of February and his authorization has been received with 85 kmph. Section opened for passenger traffic from 25/05/2013. The section handed over to Open Line Department on 26/07/2013.
2.	Tindivanam - Gingee - Tiruvannamalai (70 km.) - New line (PB.No.4):	49000	Supp.D.No. 2006-07	..	5232	6%	Detailed estimate sanctioned by Railway Board for Rs. 227.40 crores vide letter No. 2008/W1/NL/SR/TT dated 21/07/2008. Details of land acquisition proposal submitted to the Tamiladu state Government during the month of June, July 2010 & December 2013. State Government has asked for depositing Rs.11.51 cr. towards land compensation and the same has been deposited. After getting adequate land, tenders will be called. In the meantime, agency fixed for construction of 8 major bridges. Out of 8 nos., 4 completed & 4 in progress. An amount of Rs.49.60 lakhs deposited towards forming of one land acquisition cell in Villupuram district for Tindivanam-Nagari New line project in addition to this project. Rs.47.89 lakhs deposited towards forming of land acquisition cell in Tiruvannamalai district for this project & Tindivanam-Nagari new line project.
3.	Tindivanam - Nagari (179.20 km.) - New line (PB No.5).	108000	Supp.D.No. 2006-07		19621	10%	Detailed estimate has been sanctioned by Railway Board for Rs.582.83 crores for the entire project vide Railway Board vide letter No. 2007/W1/NL/SR/TN dated 21/07/2008. In Walajah Road - Arcot section (13 km), Walajah Road-Ranipet (6.5 km) completed.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
New Lines—Contd.							
							Ranipet - Arcot section (6.5 km) In Karai, Ranipetai & Arcot land taken over. For land in Veppur village, between Ranipet & Arcot, Hon'ble High Court has given direction for land acquisition process under normal clause instead of urgency clause. Land to be acquired as per new Act, a fresh proposal to be initiated. Review petition filed in High Court for alignment. For remaining section, land acquisition is pending. As the District Collector of Villupuram, Tiruvannamalai, Vellore & Tiruvallur has expressed their inability to process for land acquisition with the existing staff available, they have requested to form a special cell. Railway has accepted and forming of special land acquisition cell is under process. Administrative sanction for land has been received in November 2011. State Government has asked for depositing Rs.57.62 crs. towards land compensation in Villupuram & Vellore districts, and Railway has deposited the amount. In Tiruvallur Dt. & Chittoor(A.P.), requirements are yet to be received. An amount of Rs.49.60 lakhs deposited towards forming of land acquisition cell in Villupuram district. Rs.47.89 lakhs deposited towards forming of land acquisition cell in Tiruvannamalai district for this project & Tindivanam-Tiruvannamalai new line project. G.O issued for forming of land acquisition cell in vellore district.
4.	Attippattu - Puttur (88.3 kms) (PB No.6)	52,800	2008-09		296	1%	Work included in Pink Book in the year 2008-09 at a cost of Rs.446.87 crores. The detailed estimate for Rs 527.37 Crs. sanctioned by Railway Board vide No.2002/ W-I/NL/S/1 dated 07/09/2011. Final Location Survey work completed. Originally the project was to be taken up under 50 : 50 cost sharing with Ennore Port Trust (Ministry of Shipping). However, EPT has recently advised that they would not be cost sharing the project as the anticipated traffic in the section is not expected to be realised. Board have been advised to take a decision in the matter.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
New Lines—Contd.							
5.	Erode - Palani (91.05 kms) (PB No.7)	60,322	2008-09		164	1%	Land requirements furnished to Tamilnadu and Andhra Pradesh State Governments.. Regarding the issue of entrusting the physical execution of the project to RVNL, Railway Board have now advised that this project should stay with Southern Railway. Land plan schedule for 22 villages in Tamilnadu area and 22 villages in A.P submitted to concerned District Collectors for acquiring the land. Budget Grant for land payment is not available. Though detailed estimate is sanctioned, tenders are not called for want of Board's decision. New work included in Pink Book in the year 2008-09 at a cost of Rs.288.87 crores. Detailed estimate for Rs.603 crores has been prepared and submitted to Railway Board on 13/08/2010. Physical execution will be taken up after acquisition of adequate land and after getting sanction of the detailed estimate. All papers for the acquisition of the land for 3 districts submitted. In the mean time Railway Board vide their letter No.2007/W-1/NL/SR/EP dt.08/12/2010 observed that this new line project is not considered necessary from operational point of view and a number of similar projects are not making much progress for want of funds. Accordingly, it was advised to State Government to provide land free of cost and share 50% of balance cost of the project. Based on the above letter, State Government of Tamilnadu has been requested to convey their consent to provide land free of cost and also to share 50% of the balance cost of the project vide this office letter No.W.193/XXII/27/CN dt.23/12/2010. In reply to this, the State Government of Tamilnadu has expressed inability in providing land free of cost and also in sharing 50% of the balance cost of the project. This has been conveyed to Railway Board. This project has been frozen by Board vide letter No.2007/W-1/NL/SR/EP dt.06/07/2011 and again reconfirmed by Board vide letter No.2007/W-1/NL/SR/EP dt.05/02/2013. Once again, Govt. of

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
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New Lines—Contd.

							Tamilnadu has been requested to provide land free of cost & also to share 50% of the cost of the project vide this office letter No.W.193/XXII/27/CN dt.22/11/2013. But, State Govt. has again reiterated that they are not in a position to consider the Railway's request vide their letter No.490/I.1/2011-23 dt.07/02/2014. As detailed estimate has not been sanctioned and project has been frozen by Board, tenders not called.
6.	Chennai - Cuddalore (via) Mamallapuram (179.28 kms.) (PB No.8).	120,000	2008-09	..	217	7.00%	New work included in Pink Book in the year 2008-09 at a cost of Rs.523.52 crores & revised to Rs.1200 crs. during 2014-15. Final location survey is on hand. Part Survey in Puducherry State has been completed and Part detailed estimate between New Puducherry and Varakalapattu (26.40 km.) has been submitted to Board on 21/02/2012 and Board queries attended. Estimate is not yet sanctioned. Estimate for Mamallapuram-Puducherry prepared and vetted by Finance and being sent to Railway Board. Perungudi-Mamallapuram survey involves soil investigations and strengthening measures in view of Coastal region and poor soil conditions. The Government of Puducherry is yet to approve the alignment. Railway Board recently has asked to rework the ROR for the detailed estimate cost. As the alignment is to take off from Perungudi, there will be limitation in running freight trains in the new line. Hence, it is proposed to give a new link from Chengalpattu to Mamallapuram connecting the Chennai Beach - Villupuram section at Chengalpattu. For the proposed new BG line from Chennai (Perungudi) to Cuddalore via Mamallapuram, striking out the alignment is completed. 186.425 kms. of alignment has been struck and part estimate prepared for new Puducherry-Varakkalpattu & Mamallapuram-New Puducherry portions. The Govt. of Puducherry has requested the Railway Board that the alignment from New

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
New Lines—Contd.							
							Puducherry to Cuddalore is to be taken closer to the East Coast Road. In reply to this, the Railway Board has directed the Zonal Railway to conduct a feasibility study for an alternative alignment. The feasible alternative alignment was completed from New Puducherry to Cuddalore and particulars furnished to both Govt. of Tamilnadu & Govt. of Puducherry to give the comments for the proposed alternate alignment. In turn, Govt. of Puducherry has given the consent for the alignment suggested by them up to Melparikkalpattu road. The District Collector, Cuddalore has forwarded his consent to Govt. of Tamilnadu from Melparikkalpattu towards Cuddalore for the same alignment. The above details were sent to Railway Board vide letter No.MTP/W/3/ Chennai-Cuddalore/ Vol.II dated 30/12/2014 and requested to give approval for the same alignment to do FLS on this alignment. Tenders are not called as detailed estimate has not been sanctioned. New work included in the year 2011-12. State Government of Tamilnadu has been requested to convey their consent to provide land free of cost and also to share 50% of the balance cost of the project vide this office letter No.W.337/1/203/CN dt.31/12/2010 but TN Govt. has turned down the request. Final location survey is on hand. For two block sections at Tuticorin (Milavittan) end, priority is given in view of new power plants coming up in the area. Milavittan-Melamarudur (17.5 km) part detailed estimate for Rs.120.70 cr. Sanctioned by Railway Board vide letter No.2009/WI/NL/SR/MT dt.20/03/2014 after pruning down the proposed cost of Rs.172.71 cr. duly deleting provision of two nos. of ROB. As per approved working section, the estimate proposal of ROB over NH45B is revised as RUB. Hence, Board will be requested for sanction of RUB in NH45B.
7.	Madurai - Tuticorin (via) Aruppukkottai (143.5 km) (PB No.9)	80,000	2011-12		79	2.00%	

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
New Lines—Concl..							State Govt. Officers have been persuaded for early land acquisition of this section between Milavittan & Melamaruthur. Issue of form 3(2)A is in progress.
8.	Sriperumbudur-Guduvanchery with spur to Irungattukkottai - Avadi - Sriperumbudur (60 km) (PB No.10).	1,50,000	2013-14	..	14	0.00%	New work included in the year 2013-14. Tender schedule for FLS sanctioned by GM. Contract awarded. Railway Board permission for incurring expenditure for the project is yet to be communicated. Survey work is in progress. Index plan & working plan for the section is under scrutiny for the section between Avadi & Sriperumbudur. Govt. of Tamilnadu vide their letter (Ms) No.24 dt.02/03/2010 had communicated the Government's decision to share up to 50% of the project cost for Irungattukkottai-Sriperumbudur-Oragadam-Guduvanchery. Railway Board vide letter No.2007/W-1/NL/SR/1 dt.11/03/2011 and 19/05/2011 had advised for getting the consent of Govt. of Tamilnadu for cost sharing and for providing land free of cost. Accordingly, Govt. of Tamilnadu had been advised vide letter No.W.337/1/194/CN/Vol.II dt.18/03/2011 & 10/06/2011 to share 50% of the cost of the project and provide land free of cost. Again, State Govt. has been reminded vide letter dt.24/04/2013 & 08/01/2014 in this regard.
9.	Angamalai - Sabari new BG line.	156600	1998	In progress	16497	7.50%	Paucity of funds retards progress. AFK-kaladi in progress.
10.	Guruvayur - Tirunnavaya New BG line.	13771	1996	In progress	2544	1.50%	Guruvayur Phase I yard work completed.
2.0 Gauge Conversion							
1	Tiruchchirappalli - Thanjavur - Nagore - Karaikal (145.33 Km)-with extension Nagappattinam-Velankanni-Tiruthurai-pundi via Thirukuvalai(43 Kms.) and new material modification of Peralam-Karikal new line (23 km.) Total=211.33 km. (PB No.11).	98,000	1995 - 96		60,015	70%	Estimates sanctioned details: Tiruchchirappalli - Thanjavur - Nagore section - Rs.274.20 cr. vide letter No.92/W1/GC/S/25 dt.18/06/2010. Nagore - Karaikal section - Rs.86.44 cr. vide letter No.92/W1/GC/S/25 dt.18/06/2010. Nagappattinam - Velankanni section - Rs.48.35 cr. vide letter No.92/W1/GC/S/25 dt.18/06/2010. Nagappattinam - Thirukuvalai - Tiruturai-pundi section - Rs.126.14 cr. vide letter No.2007/W-1/NL/SR/NT/1 dt.24/07/2008.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
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Gauge Conversion—Contd.**Material Modifications:**

- i) Nagore - Karaikkal (11 kms) - Rs.33.78 crores on 20/11/2002.
 - ii) Nagappattinam - Vallankanni New Line (10 kms) - Rs.23.69 crores on 30/05/2002.
 - iii) Nagappattinam - Tiruturaipundi (via Thirukkuvalai New Line (43 kms) - Rs.126.14 cores on 22/07/2008.
 - iv) Additional facilities at Nagore and Nagappattinam - Rs.4.17 crores on 18/09/2000.
 - v) New line Karaikal-Peralam (23 km) - Rs.110.19 in the Pink Book 2013-14.
- Revised estimate sanctioned for Rs.535.13 crores vide letter No.92/W1/GC/S/25 dt.18/06/2010.

Sections Opened:

- i) Thiruchchirappalli - Thanjavur new paralel BG (50kms) on 01/01/1998.
- ii) Thanjavur - Tiruvarur (55kms) on 12/01/2007.
- iii) Tiruvarur - Nagore (30.37 Kms) on 27/02/2009.
- iv) Nagore-Karaikal Port- Freight traffic commissioned on 27/01/2010.
- v) Nagappattinam - Velankanni (10.3 km) - Works completed and the section commissioned for passenger traffic on 20/12/2010. Section handed over to Open Line Dept. On 28/12/2014.
- vi) Nagore - Karaikkal (10 km) on 17/12/2011. Section handed over to Open Line Dept. On 31/12/2014.

**Section in progress:
Nagappattinam - Thirukuvalai - Tiruturaipundi New line**

Government of Tamilnadu has approved the land acquisition and fund deposited for Nagappattinam District only towards land cost. Fund deposited for Thiruvarur District. Proposal for Land acquisition has been submitted to State Government and acquisition of land - 95 % completed. In Nagappattinam District, 94.79 Ha. has been acquired. In Thiruvarur District 9.90 ha. received. Major bridges 11 Nos. are in progress. Earthwork & minor bridges for 3 sections are in progress. For balance sections, tenders are called.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Contd.							
2.	Quilon - Tirunelveli - Tiruchendur & Tenkasi - Virudhunagar - Gauge Conversion (357 Kms.) (P.B.No.12).	112200	1997 - 98	..	90,305	71%	Karaikal- Peralam has been included as a material modification. Exg. ground level taken departmentally. Working section finalised. GAD for major bridge approved. Detailed estimate at a cost of Rs. 259.78 crs. sent to Board on 01/07/2013. As opined by Board (Member Traffic) during the meeting on 01/08/2013, the detailed estimate was reviewed and cost pruned down to Rs.177.69 cr. and sent to Board on 07/08/2013. Board has advised vide letter No.92/W-1/GC/S/25 dt.12/02/2014 to verify whether Port can be asked to invest under appropriate participative models available on the Railways. Accordingly, Karaikal Port Limited has been requested vide letter No.W.193/T/1/CN/Vol.VII dt.07/03/2014 to communicate the funding scheme of the project in order to take up the project with a view of commissioning early. Subsoil investigation work in progress. Status of the estimate: Detailed estimate sanctioned by Railway Board for all sections as follows: 1) Virudhunagar - Tenkasi, Tenkasi-Tirunelveli-Tiruchendur sections for Rs.327.61 cr. vide letter No.97/W-1/GL/S/5 dt. 20/02/2001. 2) Quilon - Punalur section for Rs.103.24 crores vide letter No.97/W-1/GL/S/5 dt. 22/07/2005. 3) Tenkasi - Sengottai for Rs.33.63 cr. vide letter No.97/W-1/GL/S/5 dt.10/08/2006. 4) BPAC & OFC for Virudhunagar-Tenkasi-Tirunelveli-Tiruchendur (S&T) for Rs.9.07 cr. included as material modification vide letter No.97/W-1/GL/S/5 dt.16/04/2008. 5) Sengottai - Punalur section for Rs.357.70 cr. vide letter No.97/W-1/GL/S/5 dated 24/11/08. 6) Providing coach maintenance facilities at Tirunelveli station for Rs.11.10 cr. included as material modification vide letter No.97/W-1/GL/S/5 dt.26/09/2011. 7) The total cost sanctioned for the above project vide Railway Board's letter No.97/W-1/GL/S/5 dt.26/09/2011 is Rs.842.35 cr. Revised estimate is on hand.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Contd.							Sections Opened: 1) Gauge Converted section between Virudunagar and Rajapalayam (52 kms) was opened for passenger traffic on 01/06/2003. 2) Gauge Converted section between Rajapalayam and Tenkasi (69 Km) was opened for passenger traffic on 20/09/2004. 3) The section between Tenkasi and Sengottai (8 Kms) opened for passenger traffic on 07/02/2008. 4) The section between Tirunelveli and Tiruchendur (61.21 kms) was opened for passenger traffic on 27/09/2008. 5) The section between Quilon and Punalur (45 Kms) opened for passenger traffic on 12/05/2010. Section handed over to Open Line on 31/03/2012. 6) The section between Tirunelveli & Tenkasi (72 km) opened for passenger traffic on 21/09/2012. Section handed over to Open Line on 24/04/2013. Section completed: Sengottai - Bhagavathipuram (7 km) - Proposed to be commissioned together up to Punalur. Section in progress: Sengottai - Punalur section - MG traffic has been closed on 20/09/2010 and various works are in progress. Progress is slow as ghat sections are involved. Aryankavu - Edamann (23 km) All works are being taken up slowly including tunnels, jacketing of arches, station buildings & ballast for want of sufficient budget grant in 2014-15. Progress on Edamann - Punalur section will be reported separately by CAO/CN/ERS. Issues pending: (i) Tenders have been awarded for most of the works & they are in progress. Against the total cost of the project for Sengottai-Punalur section out of Rs.357 cr., Rs.159.0 cr. has been spent. (ii) There are five curves with radiuses more than 10° (10.3° to 10.6°) and one curve of 12.3°. Though all the six curves are processed for retention &

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Contd.							
							condonation, efforts are being taken up for flattening five curves to 10° with extra rock blasting/ widening of arch bridges involved with all the difficulties with close proximity of National Highways 208 and inhabitation. The proposal of condonation is under correspondence with CRS. For 12.3° curve, it is being flattened to 12°. For flattening to 10° curve, one additional tunnel, two viaduct and forest land acquisition are involved for which a proposal has been approved by Board on 24/03/2015 as material modification and part detailed estimate is under finance vetting. (iii) Tunnel widening works are in progress. five tunnels (totalling 1372 m length) are involved. three are completed. T5 to be taken up. T1 cut & cover (50 m) and lining (280m) involved, cut & cover portion completed and lining portion completed for 100m. Tender schedules are under process for the new tunnel. (iv) Masonry arch major bridges (14 Nos./80 spans). RDSO has not cleared Railway's proposal for slabs. Jacketing has become necessary. Agency has been fixed for all the arch bridges except for 3 nos. for which tenders are under finalisation. (v) Board have approved for adoption of maximum 10° curve and use of 60 kg 90 UTS rails instead of head hardened rails in this ghat section along with construction of 115 m long tunnel and 240 m long viaduct vide letter No.97/W1/GC/S/5/3 dt.24/03/2015.
3.	Madurai - Rameswaram - Gauge Conversion (161 kms.) (PB No.13).	41,169	1997 - 98	2007	37,480	99%	Status of the estimate: Part detailed estimate for Madurai - Mandapam section was sanctioned by Railway Board for Rs. 173.68 crores on 07/02/2001. Part detailed estimate for GC work between Mandapam and Rameswaram was sanctioned by Railway Board for Rs.73.29 crores on 17/03/2006. The section between Madurai & Manamadurai was opened for passenger traffic on 30/04/2005. The section between Manamadurai and Rameswaram (114 kms) opened for passenger traffic on 12/08/2007. Pamban crossing station completed and handed over to Open Line Dept. on 27/09/2013. Officers rest house at Manamadurai completed.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Contd.							
4.	Thanjavur - Villupuram Gauge Conversion (192 Kms.) (RVNL Project) (PB No.14).	66,501	1998-99	2010	121,99	100%	Status of the estimate: Part detailed estimate for Thanjavur - Kumbakonam section was sanctioned by Railway Board for Rs.73.05 Crores on 11/03/2003. Part detailed estimate for Kumbakonam - Villupuram section was sanctioned by RVNL for Rs.283.83 crores on 22/11/2004. As per Railway Board's letter No.2004/W-1/RVNL/22 dated 08/11/2004 Gauge Conversion from Kumbakonam to Mayiladuturai Jn. is assigned to S. Railway Construction for execution. Thanjavur - Kumbakonam Section (39 kms.) was opened for passenger traffic on 02/05/2004. GC work between Kumbakonam & Mayiladuturai (31 kms.) has been inaugurated and opened for passenger services on 17/06/2006 and handed over to Division on 27/02/2008. Gauge conversion of Villupuram - Mayiladuturai (122 kms.) section executed by RVNL. All works completed and section opened for passenger traffic on 23/04/2010. Section dedicated to nation on 10/05/2010 by Shri G.K.Vasan, Hon'ble Union Minister in the presence of other distinguished guests. The ROBs in lieu of LC No. 168,181,228,248 (chord line of Villupuram- Trichchirappalli), 166,304 (main line of Villupuram-Trichchirappalli), 281 (Trichchirappalli - Dindigul) are completed and will be commissioned for road traffic before 31/03/2015.(except for LC. No. 248(chord line) where State Govt. work in under progress and LC No.304 (main line) as state Govt. portion to the work is yet to be started).
5.	Cuddalore - Salem via Vriddhachalam - Gauge Conversion (191 kms.) (RVNL Project) (PB No.15)	55664	1999-2000	2007	26864	93%	Status of the estimate: Part detailed estimate for Cuddalore - Vriddhachalam section was sanctioned by Railway Board for Rs.74.01 crores on 30/10/2001. Part detailed estimate for Vriddhachalam-Salem section was sanctioned by Railway Board for Rs.187.09 crores on 06/01/2004. Vriddhachalam - Vadalur (27 km.) was opened for traffic on 06/01/2003.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Contd.							
							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 Cuddalore and Salem has been brought under the category of "RVNL Project". As authorised by RVNL, works have been taken up by S. Railway between Vriddachalam & 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 Railway Board for Rs.37.13 crores on 19/01/2006. The State Government has agreed to share 50% of cost vide letter (MS) No.51 dated 21/02/2007. Survey completed and the proposed alignment submitted along with LP schedule. The requisition for land acquisition has been given to State Government. Tenders will be called for physical execution of works, after getting the land.
6.	Tiruchchirappalli - Manamadurai - Gauge Conversion (150-Kms.) (PB No.16).	41,000	2000-01	2008	39,463	100%	Status of the estimate: Detailed estimate sanctioned for Rs.187.91 crores. by Railway Board on 22/05/2002. Material modification estimate for Transshipment and coach maintenance facilities at Tiruvarur, Villupuram, Mayiladuturai and Golden Rock at a cost of Rs.14.41 crores was sanctioned by Board vide letter No.2002/W1/GC/SR/1 dated 22/12/2005. The section between Tiruchchirappalli and Pudukkottai (53 kms.) was opened for passenger traffic on 5/01/2007 and the section between Pudukkottai and Karaikkudi also completed and opened for passenger traffic on 19/05/2007. Karaikkudi - Manamadurai section was inaugurated on 02/07/2008 for passenger traffic and handed over to Open line on 19/03/2010. Residual works completed.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Contd.							
7.	Villupuram - Katpadi - Gauge Conversion (161 Kms.) (PB No.17).	78,000	2000-01	2011	64,592	100%	Detailed estimate has been sanctioned vide Board's letter No. 2002/W1/GC/S/2 dated 21.6.04 for Rs.231.72 Crores. An estimate amounting to Rs.3.97 crores for Electrification of Katpadi - Vellore Contonement section (10kms.) is sanctioned by Railway Board as material modification to the work of GC of Tirupathi - Pakkala - Katpadi section vide letter No.92/W-2/GC/SC/20Vol - II dated 19/01/2006. MG section traffic closed on 01/06/2007. Work completed between Katpadi & Vellore (11 km.) section with electrification and opened for passenger traffic on 10/11/2008 and handed over to Open line on 05/03/2009. Works completed in Vellore - Tiruvannamalai - Villupuram (150 kms.) section and CRS has given authorisation vide letter dt.15/03/2011 for Passenger Traffic with speed of 50 km/hr. Accordingly, first train No.16780 from Madurai to Tirupathi passed the section on 31/03/2011. Existing speed for Villupuram-Vellore Cantonment Gauge Converted section has been increased to 80 kmph vide CRS letter dt.19/06/2013 and the section handed over to OL on 09/08/2013. Tender for left over protection works finalised and LOA issued.
8.	Manamadurai - Virudunagar - Gauge Conversion (66.55 Kms.) (PB No.18).	23,158	2006-07	2013	20,444	98%	Estimate sanctioned for Rs.138.03 crores vide Railway Board No.2000/W-1/GC/S/1 dated 31/12/2007. Project has been inspected by CRS on 20th & 21st on June 2013 & given authorization on 28/06/2013 @ 80 kmph. Section commissioned for passenger traffic on 14/07/2013. Section handed over to Open Line Department on 03/01/2014.
9.	Dindigul - Pollachi - Palaghat & Pollachi - Coimbatore - Gauge Conversion (224.88 Kms.) (PB No.19).	1,02,000	2006-07	..	88,479	90%	Work included in the budget 2006-07 at a cost of Rs.343.17 crores. Part detailed estimate for the section between Podanur and Coimbatore sanctioned by Railway Board for Rs.28.72 crores vide Railway Board letter No. 97/W1/LCT/S/3 dated 17/10/2007. Detailed estimate for the

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Contd.							remaining portion for Rs. 529.03 crores also sanctioned vide Railway Board letter No. 97/W1/LCT/S/3/1 dated 26/02/2008. Revised estimate is under finalisation & will be submitted to Board shortly. The MG train service from Pollachi to Palghat has been suspended from 15/12/2008 and Dindigul - Pollachi - Podanur has also been suspended from 26/05/09. Sections Commissioned: Podanur - Coimbatore - GC (6 km) - Passenger Traffic commenced on 23/03/2010. Dindigul - Palani GC (58 km) - Passenger traffic commissioned on 20/11/2012. Section handed over to Open Line on 05/04/2013. Palani - Pollachi GC (63 km) - Passenger traffic commissioned on 09/01/2015. Section handed over to Open Line on 23/01/2015. Section completed: Pollachi - Muthalamada (26 km) completed. CRS inspection will be proposed along with Muthalamada - Palakkad section. Sections in progress: Pollachi - Kinattukkadavu (21 km). Status of estimate: Work included in the budget 2007-08 at a cost of Rs.404.19 crores. Part detailed estimate for Mayiladuturai-Thiruvavur (38 km) was sanctioned by Railway Board on 08/05/2008 for Rs. 136.77 crores. Railway Board have included the restoration of Nidamangalam - Mannargudi line (13.25 kms) as material modification in 2010-11 Pink Book vide Item No.12. Detailed estimate for Nidamangalam-Mannargudi restoration line sanctioned by Board at a cost of Rs.62.17 crores. Part detailed estimate for Thiruvavur - Tiruturai - Karaikkudi and Tiruturai - Agastiyampalli for Rs.506.72 crores sanctioned by Board vide letter dt.12/09/2011. Revised estimate under finalisation. Subsequently, one more new line from Mannargudi to Pattukkottai (41 kms) has been approved as Material modification vide Railway Board's letter No.2006/W-1/GC/SR/MKA/PM dated 10/09/2010 at
10.	Mayiladuturai - Thiruvavur - Karaikkudi and Tiruturai - Agastiyampalli (223.69 kms.) & restoration of Nidamangalam - Mannargudi line (13.25 kms.), Mannargudi - Pattukkottai (41.00 kms.) & Thanjavur-Pattukkottai (47.20 kms.) Total = 325.14 kms. (PB No.20).	1,38,345	2007 - 08	..	47,093	31%	

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Contd.							
							a cost of Rs.215.59 Cr. Detailed estimate for Rs.369.21 cr. for this section sent to Railway Board on 04/10/2012. Board has advised to submit modified estimate vide letter dt.04/02/2014. Accordingly, estimate has been modified to Rs.257.82 cr. and sent to Board on 12/03/2014. No queries are pending. One part detailed estimate for major bridges for a value Rs.19 cr. of Mannargudi - Pattukkottai section has been sanctioned by Board. Railway Board have included a New line between Thanjavur & Pattukkottai (47.2 km) at a cost of Rs.290.05 cr. as material modification in PB 2012-13. Sections Opened: Nidamangalam-Mannargudi section has been authorised by CRS for running Passenger services and passenger traffic commissioned on 27/09/2011. section handed over to open line dept. on 01/07/2014. Mayiladuturai - Thiruvavur MG section was closed on 08/06/2009. All works completed and engine rolling done on 20/12/2011. CRS inspected the section on 22/03/2012 and authorised for passenger traffic @ 80 km/hr. on 26/03/2012. Goods services commissioned on 06/04/2012. Passenger traffic commenced from 15/07/2012. Sections in progress: MG traffic was stopped in Karaikkudi-Pattukkottai section on 15/03/2012 and Pattukkottai-Thiruvavur section on 19/10/2012. Work is being taken up from Karaikkudi end. Thiruvavur - Tiruturai - Pattukkottai: (76 km) -Thiruvavur - Pattukkottai MG traffic closed on 19/10/2012. Karaikkudi - Pattukkottai (73.26 km). Tiruturai - Agastiyampalli (37 km.). Mannargudi to Pattukkottai New line (41 kms): FLS tender has been awarded and work is in progress. Detailed estimate submitted to Board. Land requirement for complete length furnished to District Collectors in June 2012. 4 (1) not issued. Tender awarded for Pamaniyar river.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Contd.							New line between Thanjavur and Pattukottai (47.2 km) has been approved in 2012. Sub soil investigation & FLS works are in progress. New line alignment has been finalised. Working sections has been approved. Working plan and LPS for land acquisition are being processed.
11.	Madurai - Bodinayakanur (90.41 kms.)	45,000	2008 - 09		2,082	5%	Work included in Pink Book in the year 2008-09 at a cost of Rs.164.41 crores. Railway Board have sanctioned part estimate for Rs.15.00 crores vide Railway Board letter No.2005/W1/NL/SR/1 dated 24/02/2009. As per Board's direction, estimate has been recast for an amount of Rs.302.90 and sent to Board for sanction vide letter No.W.193/XXII/25 dt.14/02/2014. MG traffic closed with effect from 01/01/2011. Contract awarded for major bridge No.43, 54, 126, 135, 154 & 163 and works are in progress. For want of estimate sanction by Railway Board (other than major bridges), execution of other works could not be planned.
12.	Chennai Beach - Tambaram - Chengalpattu Suburban Gauge Conversion (60 kms.).	52,000	1988 - 99	2004	46,304	88.92%	This Gauge Conversion work is executed on cost sharing basis and 50% of the cost is shared by Government of Tamil Nadu. This project is executed in stages as below. MG main line between Chennai Egmore and Tambaram is converted and commissioned for BG passenger traffic on 03-03-2001. Two MG lines from Chennai Beach to Chennai Egmore have been converted into Broad Gauge and opened for passenger traffic in February'2003. The gauge Conversion of B line between Tambaram & Chengalpattu (30 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 01/11/2004. 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:

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Gauge Conversion—Concl'd.							
							i) Harrington RUB - completed and commissioned. ii) Rangarajapuram ROB @ LC No.7 split ROB , First leg completed and commissioned on 07/09/2011. and second leg completed & commissioned on 05/10/2012. iii) Rangarajapuram RUB - work completed and commissioned. 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 - Approach GAD under revision by High ways viii) Pallavaram ROB (Goods shed Road) - Work completed & commissioned on 09/10/2012. ix) Pallavaram RUB - Work completed and commissioned. x) Dharga Road RUB - Railway works completed and commissioned on 25/02/2011. xi) Vaishnava College ROB - Work completed and commissioned on 29/10/2010. xii) Radha Nagar RUB -Box pushing work completed. Highways department yet to commence the approach work. xiii) Tambaram Sanatorium ROB -Work completed and commissioned on 15/08/2010. xiv) Tambaram - Velachery Road ROB - Work completed and commissioned on 17/08/2011.

3.0 Doubling

1.	Omalur - Mettur Dam - doubling with electrification (29.03 kms.) (PB No.23).	23,373	2011 - 12	..	1266	2%	Detailed Estimate at a cost of Rs.187.26 crs. has been sanctioned by Board vide Ir. No. 2013/W1/DL/SR/OM dt.10/10/2013. The land acquisition (LPS) for 14 villages(29.428 ha) has been submitted to District Collector, Salem on 06/06/2013. Working plan & working section were finalised. The Major bridge GAD approved. The tenders for the Engineering works have been called for a value of Rs. 43.04 cr and work awarded. Agency fixed for yard arrangements at Omalur and mid section between Mecheri road and Mettur dam stations.
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Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Doubling—Contd.							
2.	Irugur - Coimbatore Doubling (17.70 kms.) (PB No.25).	12,000	1996 - 97	2010	9,797	100%	Detailed estimate sanctioned by Railway Board for Rs.38.66 crores. The up line between Coimbatore and Coimbatore North (2.7 kms) has been completed and opened for traffic. (14/02/004) . In the remaining stretch also, all the works completed including final NI working in station yard. CRS has conducted statutory inspection of Irugur - Coimbatore section (18 Km.) on 05/06/2010 and issued authorisation for opening of the project for public carriage. NI working at Pilamedu, Irugur yard has been completed and the section commissioned on 20/08/2010. Section is taken over by Open line on 01/03/2011.
3.	Attippattu - Korukkupet Third line (18 Kms.) (RVNL Funded Project, being executed by S.RLY) (PB No.27).	15,500	1999 - 2000	2012	15,356	83%	Status of the estimate: The detailed estimate for Attippattu - Korukkupet 3rd line was sanctioned by Railway Board for Rs.70.56 crores on 17/10/2002. Korukkupet - Ennore (12 kms) section is opened to traffic on 09/03/09 and handed over to open line on 09/09/2009. From Ennore to Attippattu Pudunagar (6 kms) work completed. CRS inspected the section on 06/11/2014. CRS authorised the section for 80 kmph for passenger traffic. Section opened for passenger traffic on 10/11/2014.
4.	Chennai Beach - Korukkupet III line (4.1 kms.) (PB No.28).	14,000	2003 - 04	..	783	1%	This work was originally allotted to RVNL for execution. Railway Board vide their letter No. 2005/W1/RVNL/13 dated 07/04/2006 have advised Southern Railway to take up the execution. Action has been taken accordingly. Original detailed estimate at a cost of Rs. 85.70 crores has been sent to Board on 03/08/2007 for sanction. As per Board's observations, revised detailed estimate for an amount of Rs.141.87 crores sent to Railway Board vide this office letter No.W.193/III/20/CN dated 08/01/2013 for sanction. Board vide letter No.2007/W-I/DL/SR/CK dt.22/01/2014 approved at a cost of Rs.141.87 cr. 4th line work is linked with 3rd line work for which detailed estimate is sanctioned only in January 2014 by Board. 1.666 ha. of land has to be acquired from

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Doubling—Contd.							
							Chennai Port Trust for laying third and fourth line between Chennai Beach and Korukkupet (4 kms). This is under process. Railway Board has approved the proposal of land exchange between Chennai Port Trust and Southern Railway vide letter No.2007/W-DL/SR/CA/1 dt.22/04/2009. Land for 3rd & 4th line from Chennai Port Trust has to be obtained after exchanging land near Railway printing press, Royapuram, after completion of store & office building. As the detailed estimate is sanctioned recently, new building for printing press is under progress and existing building will be dismantled and land will be handed over to the port trust. After this, the port land will be taken over and then only third line project can be commenced. 2 ROBs - 3R & 4R require rebuilding modification. Work is in progress for 3R bridge modification. Tender for earthwork, minor br. & track works (Reach 1 between Chennai Beach & Royapuram) finalised. For Reach II, earth work & minor bridges, tender recalled and to be opened on 23/04/2015. Pway tender opened on 03/03/2015. For ballast, tender opened and for FOB & PF shelters at Washermanpet tender opened on 31/03/2015 and are under finalisation. Agency for S&T building at Korukkupet is fixed and work just commenced; for S&T building at Royapuram tender called and opened on 10/03/2015 and is under finalisation.. Land from Stanely hospital for 0.7 ha. is to be acquired. Land Plan Schedule given to State Govt. Administrative sanction for land not issued. Agency fixed for construction of store & office building for printing press at Royapuram Construction time - 2 years after land is received.
5.	Chennai Beach - Attippattu 4th Line (22.1 Kms.) (PB No.32).	15,844	2003 - 04	..	5,834	9%	This work was originally allotted to RVNL for execution. Railway Board vide their letter No. 2005/W1/RVNL/13 dated 07/04/2006 have advised Southern Railway to take up the execution. Action has been taken accordingly. Original detailed estimate for Rs.102.42 crores sent to Board vide letter No.W.193/III/19/CN dated 16/10/2007 for sanction.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Doubling—Contd.							
							Meanwhile, GM has instructed to delete the works which were not planned originally in the final location survey report. Accordingly, the detailed estimate has been revised to Rs.96.14 cr. and GM/MAS has accorded sanction (since the value is less than Rs.100 cr.) on 23/02/2011. <u>Section completed:</u> Ennore - Attippattu Pudunagar 4th line (4.3 km) is completed. CRS inspected on 06/11/2014. CRS authorised the section for 80 kmph for passenger traffic. Section opened for passenger traffic on 10/11/2014. <u>Chennai Beach-Korukkupet section (4.1 km):</u> 4th line work is linked with 3rd line work for which detailed estimate is sanctioned only in January 2014 by Board. Land for 3rd & 4th line from Chennai Port Trust has to be obtained after exchanging land near Railway printing press, Royapuram, after completion of store & office building. 2 ROB's - 3R & 4R require rebuilding/modification. Work is in progress for 3R bridge modification. Tender for earthwork, minor br. & track works (Reach 1 between Chennai Beach & Royapuram) finalised. Tenders for earthwork & minor bridges, for reach II is retendered and to be opened on 23/04/2015; tender for P way works opened on 03/03/2015; tender for ballast opened; tenders for FOB and PF shelters opened on 31/03/2015 and are under finalisation. Agency fixed for S&T building at Korukkupet is fixed and work is just commenced. Land from Stanley hospital for 0.7 ha. is to be acquired. Land Plan Schedule given to State Govt. Administrative sanction for land not issued. Agency fixed for construction of store & office building for printing press at Royapuram Construction time - 2 years after land is received.
6.	Madurai - Dindigul (62.05 kms.) (PB No.33).	26,272	2003 - 04	2009	23,280	100%	Board have sanctioned the detailed estimate at a cost of Rs.128.56 crores vide Railway Board letter No.2003/W1/SR/GC/Madurai-Dindigul dated 28/08/2006.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Doubling—Contd.							
							The section between Dindigul and Kodaikkanal Road (22 kms) completed and opened for traffic on 30/09/08. Section handed over to Open Line on 14/09/2009. The section between Kodaikkanal Road and Madurai (40.05 kms) completed and commissioned on 29/07/2009. Section handed over to Open Line on 12/02/2010. The final stage of Madurai yard and Dindigul yard modifications are planned for completion during 2014-15 for which Rs.8 cr. is required including other miscellaneous left over works.
7.	Chengalpattu - Villupuram doubling (103 kms.) - with new Material Modification for Tambaram - Chengalpattu - 3rd line by GC of existing MG line alongwith electrification (30 km). (PB No.37).	95,124	Supp. Demands for grants 2006-07		63,114	78%	Detailed estimate for Rs. 369.41 crores sanctioned by Railway Board vide letter No.2000/W-1/GC/SR/CGL-VM dated 08/04/2008. Revised estimate for Rs.676.30 cr. sent to Railway Board vide letter No.W.193/XXII/21/CN dt.26/06/2014. Board raised observations and is being attended. Detailed estimate for Tambaram - Chengalpattu - 3rd line (MM) for Rs.267.06 cr. sent to Railway Board vide letter No.W.193/XXII/21/CN dt.02/07/2014 for sanction. About 26 hectares of land to be acquired by Tamilnadu state Government and handed over to Railways. Difficulties in getting earth quarry permits affect earthwork badly, even after 6 months permit not issued. Major 3 reaches by M/s. MAYTAS badly delayed due to major bridges slow progress, now picked up. Special Note: Perani-Tindivanam is planned for CRS inspection.
8.	Villupuram- Dindigul (with Electrification. 273 Kms.) (PB No.40) [RVNL project].	128,083	2008-09		108730	77%	Work included in the Budget 2008-09. FLS completed and detailed estimate prepared at a cost of about Rs.1258.60 cr. and sent to RVNL for further processing and execution of the projects. 151 Hec. of land to be acquired and handed over by Tamilnadu State Government. Valadi to Kallakkudi Palanganatham (25km) commissioned on 10/07/2013. Kallakkudi Palanganatham to Ariyalur (25 km) completed and commissioned on 06/08/2014.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Doubling—Contd.							
9.	Tiruvallur-Arakkonam 4th line(26.83 Kms.) (PB No.41) [RVNL project].	14,909	2008-09	..	6,757	0%	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/08-09/01 dated 15/07/2008. The section between Tiruvalangadu & Arakkonam (10 km) has been commissioned. Remaining sections in progress. Land acquired at Puliymangalam village and Mosur village to an extent of 2.38 ha. on 15/10/2013. Permission for acquiring Government land at Puliymangalam village received from District Collector/Vellore recently.
10.	Thanjavur - Ponmalai - Doubling (46.96 km) with bye-pass line before Ponmalai (1.13 kms.) (PB No.43).	49,000	Supp. Demand of 2011-12	..	4,089	3.00%	Work included in the Budget 2011-12 as supplementary demand. Status of estimates: i) Detailed estimate for Bypass line before Ponmalai for Rs.23.36 cr. sanctioned vide Board's vide letter No.2009/W1/D1/SR/TP dt.14/10/2013. ii) Detailed estimate for main project for Rs.455.96 cr. have been sanctioned by Board vide letter No. 2009/W1/D1/SR/TP/1 dt.16/04/2014. The project is handed over to RVNL vide Board letter No.2004/W-1/RVNL/31 dt.31/12/2013. Detailed estimate handed over. GOC bye pass line- (2.2 km) - Works completed. CRS inspection planned. Earth work for forming bank 30000 cum completed & formation ready. Minor bridges 3 Nos. completed. Transportation of P.way materials, sleepers, 3200 track sleepers and 10 sets of Points & crossings collection. P.way fittings arrived. 8000 cum of ballast collected and dumping in progress. Construction of S&T building, roof slab at Manjattidal and at Tiruchchirappalli town end completed. Finishing works in progress.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in the year	Completed in the year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
Doubling—Concl'd.							
11.	Ambalapuzha - Haripad doubling.	28928	2008	In progress	5988	20%	Delay in Land Acquisition by State Govt. & Public resistance coupled with non availability of earth.
12.	Mulantututti - Kurrupantara doubling.	24188	2009	In progress	20545	30%	
13.	Kurruppanthara - Chingavanam doubling.	34600			6345	0%	Land Acquisition in progress.
14.	Chinganur-Chingavanam doubling.	34285	2009	In progress	20752	18%	
15.	Kankanadi - Panambur doubling.	22660	2013	In progress	7241	13%	
16.	Kumbalam - Thuravur doubling.	25300	..	..	412	0%	Land Acquisition in progress, work not started.
17.	Emakulam-Kumbalam Doubling.	18924	..	..	397	0%	Land Acquisition in progress, work not started.
MTP WORKS.							
1.	MRTS - Phase - I : Chennai Beach To Tirumailai (PB No.MTP-1).	30,619	1983-84	1997	28,462	100%	The Project has been completed and commissioned in Oct. 1997. Mundakakkanni Amman Koil Station, at a total cost of Rs. 8.98 Crores has been commissioned on 14/05/2014. Balance miscellaneous works are nearing completion.
2.	MRTS - Phase - II - Tirumailai To Velacheri (11 Kms.) (PB No.MTP-2).	95,000	1996-97	2004	87,702	98%	Status of Estimate : Sanctioned at Rs. 733.39 crores including modification for provision of ballastless track at a cost of Rs. 14.41 crores between Tirumailai and Tharamani and Construction of elevated structure between Tharamani and Perungudi (Kms. 16.790 to 17.441) at a cost of Rs. 12.63 crores and between Perungudi & Velachery (kms. 18.00 - 18.85) at a cost of Rs. 15.31 crores. Revised estimate at a cost of Rs. 875.58 crores has been sanctioned by Railway Board vide letter No.96/Project/MAS/9/1/Vol.II dt.21/07/2010. Once again estimate has been revised for Rs. 909.41 cr. & sent to Board vide letter No.MTP/W/Ph-II/Vol.VI dt.07/05/2013. Revised estimate sanctioned for 906.62 cr. vide Railway Board letter No.96/PROJ/MAS/9/1/Vol.II(Est) dt.26/03/2014. Section opened for Passenger traffic on 19-11-2007.

Sl. No.	Name of work	Estimated Cost (Rs. in Lakhs)	Started in year	Completed in year	Expenditure upto March 2015 (Rs. in Lakhs)	Physical Progress (%)	Remarks
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MTP WORKS—Concl.

							Velachery Car shed works are in Progress. In respect of station buildings, finishing works are in progress in Mandaveli, Kasturba Nagar, Indira nagar, Tiruvanmiyur, Taramani & Velachery stations. Parallel road from Kasthurba Nagar to Tiruvanmiyur is in progress. One subway is in progress. Tenders called for parallel road from Taramani to Velachery. Target for these works is 31/12/2015.
3.	MRTS - Phase - II - Extension From Velacherry To St. Thomas Mount (5 Kms.) (PB No.MTP-3).	49,574	2006-07		29,888	46%	New work included in the Budget 2006-07. Initial survey completed. Status of the Estimate: Sanctioned for Rs.495.74 crores vide Railway Board letter No. 2001/Prog/MAS/9/2/Vol.I dated 15/11/2007. Contracts have been awarded for substructure and superstructure works for section from Velachery to Aadambakkam for a distance of 4.5 kms. in three reaches and works are in progress. For balance 0.5 kms., land acquisition is yet to be done by State Government. Contracts for structural/ architectural drawing for station building awarded and the same is in progress. Tender for construction of two station buildings (Puzhuthivakkam & Aadambakkam) recalled after contractors failed. LOA has been issued for Puzhuthivakkam Station. Platform structure up to roof level is in progress. LAO has been for Aadambakkam Station platform structure and for Aadambakkam station building. Tender for Puzhuthivakkam 2 block technical bid opened and under finalisation. The work is in progress for the 5 kms. length from Velachery end. Land acquisition for the balance alignment (stand alone section) to connect to St. Thomas Mount station is under process. Cases filled by the residents are quashed and Land Acquisition under Process. Fresh cases seeking compensation under New LA act have come up and is pending in High Court. Tamilnadu Govt. has been urged to expedite the Court case and hand over the land early.

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

Sl. No.	Division	Name of work	Estimate cost Rs. in lakhs
<i>(i) Works costing more than ₹ 5 lakhs each—</i>			
1. MAS	MSB	Yard remodelling	834.10
2. SA	-	-	-
3. PGT	TUA	Provision of rake unloading facility for 20 BCM wagons.	425.86
4. TVC	-	-	-
5. TPJ	-	-	-
6. MDU	TEN and TSI	Yard.	29.00
7. CE/CN/ERS	-	-	-
8. CE/CN/MS	TMV, MTL, KGZ, MMK, PTM, PCLM & KSGL	works.	1800.00
	PTJ yard		500.00
	SRR yard		300.00
9. MTP	-	-	-
<i>(ii) Works costing less than ₹ 5 lakhs each—</i>			
1. MAS	Nil		..
2. SA	Nil		..
3. PGT	Nil		..
4. TVC	Nil		..
5. TPJ	Nil		..
6. MDU	Nil		..
7. CE/CN/ERS	Nil		..
8. CE/CN/MS	Nil		..
9. MTP	Nil		..

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

1. MAS	MMC & BBQ yards as part of 5th & 6th lines between MMC & BBQ.	317.50
2. SA	Elimination of scissor cross over at ED & CBE.	1328.00
3. PGT	-	-
4. TVC	NJT Provision of two line crossing station in TVC-NCJ section.	617.95
	TEN-SGLm - Two line crossing station at Melapalayam.	935.37
5. TPJ	-	-
6. MDU	-	-
7. CE/CN/ERS	-	-
8. CE/CN/MS	OLA yard works (Part of CGL-VM project).	300.00
	MDU yard - DG - MDU Doubling.	600.00
	SA yard.	776.00
9. MTP	-	-

ii) Works costing less than ₹ 5 lakhs each—

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

7. Line Capacity Works

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

1. MAS	..	MSB Yard	834.00
2. SA	..	Nil	..
3. PGT	..	Nil	..
4. TVC	..	Nil	..
5. TPJ	..	Nil	..
6. MDU	..	Nil	..
7. CE/CN/ERS	..	Nil	..
8. CE/CN/MS	..	Nil	..
9. MTP	..	Nil	..

(ii) Works costing less than ₹ 5 lakhs

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

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

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

(ii) Works costing less than Rs. 5 lakhs

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

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

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

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

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

(B). Works in Progress

(i) Works costing more than ₹ 5 lakhs

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

(ii) Works costing less than ₹ 5 lakhs

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

III. Provision of Crossing Station

(A) Works Completed

(i) Works costing more than ₹ 5 lakhs

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

(ii) Works costing less than ₹ 5 lakhs

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

Sl. No.	Division	Name of work	Estimate cost Rs. in lakhs
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(B) Works in Progress

(i) Works costing more than ₹ 5 lakhs

1.	MAS	..	Nil
2.	SA	..	Nil
3.	PGT	..	Nil
4.	TVC	..	NJT - Provision of two line crossing station in TVC-NCJ section. 617.95
			TEN-SGLM - two line crossing station AT Melappalayam. 935.37
5.	TPJ	..	Nil
6.	MDU	..	Nil
7.	CE/CN/ERS	..	Nil
8.	CE/CN/MS	..	Nil
9.	MTP	..	Nil

(ii) Works costing less than Rs. 5 lakhs

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

IV. Conversion of 'D' station in to crossing station

(A) Works Completed

(i) Works costing more than ₹ 5 lakhs

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

(ii) Works costing less than ₹ 5 lakhs

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

(B) Works in progress

(i) Works costing more than ₹ 5 lakhs

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

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

V. Additional Traffic Facilities**(A) Works Completed****(i) Works costing more than ₹ 5 lakhs**

1.	MAS	KOKG - Additional shunting neck provided (work executed by CE/CN/MS unit)	1150.00
2..	SA	Tiruppur conversion of road 4 as common loop.	98.07
		MCRD - Augmentation of goodshed capacity to full rake.	49.40
		Mayanur - Increasing the CSL of Roads 1 & 2 715m.	92.00
		Salem Market - Augmentation of freight terminals.	127.35
		CAUVERY - Increasing the CSL of roads to standard length.	99.95
		PLI & KLT - Provision of sand hump.	24.48
3.	PGT	Nil	..
4.	TVC	Nil	..
5.	TPJ	Nil	..
6.	MDU	Nil	..
7.	CE/CN/ERS	Nil	..
8.	CE/CN/MS	Nil	..
9.	MTP	Nil	..

(ii) Works costing less than ₹ 5 lakhs

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

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

1.	MAS	Nil	..
2.	SA	Nil	..
3.	PGT	Nil	..
4.	TVC	Nil	..
5.	TPJ	Nil	..
6.	MDU	TDN-NRK-TAY-MVN-Provision of sand hump work not yet started. Awaiting for CRS sanction.	540.00
7.	CE/CN/ERS	Kochuveli - Proposed second coaching terminal facilities - Phase - II.	3468.00
8.	CE/CN/MS	Nil	..
9.	MTP	Nil	..

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

VI. Provision of Goods shed, Pit line, etc.,**(A) Works Completed****(i) Works costing more than ₹ 5 lakhs**

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

(ii) Works costing less than ₹ 5 lakhs

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

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

1.	MAS	Nil	..
2.	SA	Nil	..
3.	PGT	Nil	..
4.	TVC	i. CKI - Goods shed improvement and paving of unloading area.	29.65
		ii. OLR - Goods shed improvement and paving of unloading area.	29.65
5.	TPJ	..	..
6.	MDU	..	..
7.	CE/CN/ERS	ERM Pit line.	1378.25
8.	CE/CN/MS	Nil	..
9.	MTP	Nil	..

(ii) Works costing less than ₹ 5 lakhs

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

8. Doubling of Line

(Rs. in Crores)

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

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

1	MAS	Chennai Central Basin bridge.	4.40		-	Chennai Central Basin Bridge in 5th & 6th line.	Plan and estimate sanctioned
2	SA	Nil					
3	PGT	Nil					
4	TVC	Nil					
5	TPJ	Nil					
6	MDU	Nil					
7	CE/CN/ERS	Nil					
8	CE/CN/MS	Nil					
9	MTP	Nil					
B. Doubling in Progress							
1	MAS	Nil					
2	SA	Nil					
3	PGT	Nil					
4	TVC	Nil					
5	TPJ	Nil					
6	MDU	Nil					LA in progress
7	CE/CN/ERS	PVRD-KRPP	12.75	50%			
		KRPP-CGU	26.54	0%			
		CGV-CNGR	26.5	18%			LA in progress
		AMPA-HAD	18.13	20%			LA in progress
		ERS-KUMM	7.71	0%			
		KUMM-TUVR	15.59	0%			
		MAJN-PNMB	19	13%			
8	CE/CN/MS	Omalur-Mettur Dam - Doubling with electrification. (29.03 kms.) (P. B. No. 23).		2%			Detailed estimate at a cost of Rs.187.25 crs. has been sanctioned by Board vide Ir.No.2013/W1/DL/SR/OM dt.10.10.2013. The land acquisition (LPS) for 14 villages (29.428 ha) has been submitted to District Collector, Salem on 06.06.2013, Working Plan & working section were finalised. The Major Bridge GAD approved. The tenders for the Engineering work have been called for a value of Rs.43.04 cr and work awarded. Agency fixed for yard arrangements at Omalur and mid section between Mecheri road and Mettur Dam stations.
		Chennai Beach - Korukkpet third line (4.1 kms.) (PB No.28).		1%			This work was originally allotted to RVNL for execution. Railway Board vide their letter No.2005/W1/RVNL/13 dated 07.04.2006 have advised Southern Railway to take up the execution. Action has been taken accordingly. Original detailed estimate at a cost of Rs.85.70 crores has been sent to Board on 03.08.2007 for sanction. As per Board's observations, revised detailed estimate for an amount of Rs.141.87 crores sent to Railway Board vide this office letter No.W.193/III/20/CN dated 08.01.2013 for sanction. Board vide letter No.2007/W-1/DL/SR/CK dt.22.01.2014 approved at a cost of Rs.141.87 crores. 4th line work is linked with 3rd line work for which detailed estimate is sanctioned only in January 2014 by Board.

8. Doubling of Line

(Rs. in Crores)

Sl. No.	Division	Section	Length in km.	Physical progress	Date of which the section offered		Remarks
					Goods Traffic	Passenger Traffic	
New doubling —Contd.							
		Thanjavur - Ponmalai - Doubling (46.96 Kms.) with bye- pass line before Ponmalai (1.13 kms.) (PB No.43).		3%			1.666 ha. 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. Railway Board has approved the proposal of land exchange between Chennai Port Trust and Southern Railway vide letter No. 2007/W.1/DL/SR/CA/1 dt.22.04.2009. Land for 3rd and 4th line from Chennai Port Trust has to be obtained after exchanging land near Railway printing press. Work included in the Budget 2011-12 as supplementary demand. Status of estimates: i) Detailed estimate for Bypass line before Ponmalai for Rs.23.36 Cr. sanctioned vide Board's letter No.2009/W1/D1/SR/TP-dt.14.10.2013. ii) Detailed estimate for main project for Rs.;455.96 Cr. have been sanctioned by Board vide letter No.2009/W1/D1/SR/TP/1 dt.16.04.2014. The project is handed over to RVNL vide Board letter No.2004/W-1/RVNL/31 dt.31.12.2013. Detailed estimate handed over. GOC bye pass line (2.2 km) - Works completed. CRS inspection planned. Earthwork for forming bank 30000 cum completed and formation ready. Minor bridges 3 Nos. completed. Transporation of P.Way materials, sleepers, 3200 track sleepers and 10 H49sets of Points & crossings collection. P.Way fittings arrived. 8000 cum of ballast collected and dumping in progress. Construction of S&T building, roof slab at Manjattidal and at Tiruchchirappalli town end completed. Finishing work in progress.
		Madurai - Dindigul (62.05 kms) (PB No.33).		100%	DG-KQN: 30.09.08.	KQN-MDU: 29.07.09.	Board have sanctioned the detailed estimate at a cost of Rs.128.56 crores vide Railway Board letter No.2003/W1/SR/GC/Madurai-Dindigul dated 28.08.2006. The section between Dindigul and Kodaikkanal Road (22 kms) completed and opened for traffic on 30.09.08. Section handed over to Open Line on 14.09.2009.The section between Kodaikkanal Road and Madurai (40.05 kms) completed and commissioned on 29.07.2009. Section handed over to Open Line on 12.02.2010.The final stage of Madurai yard and Dindigul yard modification are planned for completion during 2014-15 for which Rs.8 Cr. is required including other miscellaneous left over works.

8. Doubling of Line

(Rs. in Crores)

Sl. No.	Division	Section	Length in km.	Physical progress	Date of which the section offered		Remarks
					Goods Traffic	Passenger Traffic	
Doubling in Progress							
		Villupuram - Dindigul (with Electrification 273 kms) (PB No.40) (RVNL Project)		77%		VLDE-KKPM : 10.07.13 KKPM-ALU 06.08.14.	Work included in the Budget 2008-09. FLS completed and detailed estimate prepared at a cost of Rs.1258.60 cr. and sent to RVNL for further processing and execution of the projects. 151 Hec. of land to be acquired and handed over by Tamil Nadu. State Government. Valadi to Kallakkudi Palanganatham (25 km) commissioned on 10.07.2013. Kallakkudi Palanganatham to Ariyalur (25 km) completed and commissioned on 06.08.2014.
		Tiruvallur-Arakkonam 4th line (26.83 Kms) (PB No.41) (RVNL project).		60%		TO-AJJ Sep. 2012.	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/08-09/01 dated 15.07.2008. The section between Tiruvalangadu and Arakkonam (10 km) has been commissioned. Remaining sections in progress. Land acquired at Puliyanamangalam village and Mosur village to an extent of 2.38 ha. on 15.10.2013. Permission for acquiring Government land at Puliyanamangalam village received from District Collector/ Vellore recently.
9	MTP	Nil	..	..	..	..	..
C. Doubling completed							
1	MAS	TMV-TZD MMK-KGZ	24.86			31.03.2015	
2	SA	-					
3	PGT	-					
4	TVC	-					
5	TPJ	-					
6	MDU	-					
7	CE/CN/ERS	MNTT-PVRD ERN-ERSC	11.25 1.26	100% 100%	20.12.14 29.04.14.	20.12.2014 29.04.2014	
8	CE/CN/MS	Attipattu-Korukkupet Third line (18 Kms) (RVNL- Funded Project, being executed by S.Rly) (PB No.27).		83%	KOK-ENR 09.03.09 ENR-AIP: 26.03.12.	KOK-ENR 09.03.09. ENR-AIPP:1 0.11.14.	Status of the estimate: The detailed estimate for Attippattu-Korukkupet 3rd line was sanctioned by Railway Board for Rs.70.56 crores on 17.10.2002. Korukkupet-Ennore (12 Kms) section is opened to traffic on 09.03.09 and handed over to open line on 09.09.2009. From Ennore to Attipattu Pudunagar (6 kms) work completed. CRS inspected the section on 06.11.2014. CRS authorised the section for 80 kmph for passenger traffic. Section opened for passenger traffic on 10.11.2014.
9	MTP	Nil	..	..	..	..	..

9. Siding

Estimate cost (Rs. in Lakhs)

Sl. No.	Station	Name of Work	Estimated cost in ₹ lakhs	Position as on 31/3/2013
I. Private Sidings—Works completed				
(i) Works Costing more than ₹ 5 lakhs				
1.	MAS	Nil		
2.	SA	Nil		
3.	PGT	Nil		
4.	TVC	Nil		
5.	TPJ	Nil		
6.	MDU	Nil		
7.	CN/CN/ERS	Nil		
8.	CE/CN/MS	Nil		
9.	MTP	Nil		
(ii) Works costing less than ₹ 5 lakhs				
1.	MAS	Nil		
2.	SA	Nil		
3.	PGT	Nil		
4.	TVC	Nil		
5.	TPJ	Nil		
6.	MDU	Nil		
7.	CN/MS	Nil		
8.	CE/CN/MS	Nil		
9.	MTP	Nil		
(ii) Works in progress				
(i) Works Costing more than ₹ 5 lakhs				
1.	MAS	Nil		
2.	SA	Nil		
3.	PGT	Nil		
4.	TVC	Nil		
5.	TPJ	Nil		
6.	MDU	VOC Porttrust siding proposed complete track renewal (Secondary) of existing 90R/52 Kg. rails on steel/CST/9/Wooden sleepers of M+4 density with 52 Class II SWP rail and PSC class II sleepers of M+4 density including deep screening, lifting and packing of track, making up deficiency of ballast in road no.1 to 5 of Marshalling Yard and between marshalling yard to wharf and mini yard inside the green gate for a total length of 10.40 kms under deposit terms.		1485.04090
		VOC Porttrust siding proposed through turnout renewal of existing one in 8.5 wooden/Steel layout points and crossings with 52 Kg. 1 in 8.5 PSC layout points and crossing alongwith lifting and packing up points and crossings in Marshalling Yard and Mini yard under deposit terms.		233.56616
7.	CE/CN/ERS	Nil		
8.	CE/CN/MS	Nil		
9.	MTP	Nil		
(ii) Works Costing less than ₹ 5 lakhs				
1.	MAS	Nil		
2.	SA	Nil		
3.	PGT	Nil		
4.	TVC	Nil		
5.	TPJ	Nil		
6.	MDU	Nil		

Siding-Conted.

Estimate cost (Rs. in Lakhs)

Sl. No.	Station	Name of Work	Estimated cost in ₹ lakhs	Position as on 31/3/2013
7.	CE/CN/ERS ..	Nil		
8.	CE/CN/MS ..	Nil		
9.	MTP ..	Nil		
(II) Assisted siding				
Works completed				
(i) Works costing more than ₹ 5 lakhs				
1.	MAS ..	Nil		
2.	SA ..	Nil		
3.	PGT ..	Nil		
4.	TVC ..	Nil		
5.	TPJ ..	Nil		
6.	MDU ..	Nil		
7.	CE/CN/ERS ..	Nil		
8.	CE/CN/MS ..	Nil		
9.	MTP ..	Nil		
(ii) Works costing less than ₹ 5 lakhs				
1.	MAS ..	Nil		
2.	SA ..	Nil		
3.	PGT ..	Nil		
4.	TVC ..	Nil		
5.	TPJ ..	Nil		
6.	MDU ..	Nil		
7.	CE/CN/ERS ..	Nil		
8.	CE/CN/MS ..	Nil		
9.	MTP ..	Nil		
(ii) Works in progress				
(i) Works Costing more than ₹ 5 lakhs				
1.	MAS ..	Nil		
2.	SA ..	Nil		
3.	PGT ..	Nil		
4.	TVC ..	Nil		
5.	TPJ ..	Nil		
6.	MDU ..	MVN-TNHP (BG) siding - Proposed making up cess inadequate cess width/low cess/less cess width trolley refuge, surface making up in LCs, clearing of cess and bank and improving visibility including renewal of non-standard warning sign boards with new one from km.1.00 to 11.000 in between stations Milavittan yard and TNHP Mar-shalling yard.		299 lakhs.
7.	CE/CN/ERS ..	Nil		
8.	CE/CN/MS ..	Nil		
9.	MTP ..	Nil		
(ii) Works costing less than ₹ 5 lakhs				
1.	MAS ..	Nil		
2.	SA ..	Nil		
3.	PGT ..	Nil		
4.	TVC ..	Nil		
5.	TPJ ..	Nil		
6.	MDU ..	Nil		

Siding-Conted.*Estimate cost (Rs. in Lakhs)*

Sl. No.	Station	Name of Work	Estimated cost in ₹ lakhs	Position as on 31/3/2013
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7. CE/CN/ERS .. Nil

8. CE/CN/MS .. Nil

9. MTP .. Nil

(III) Works under development.**A Works Completed.****(a) Works costing more than Rs. 5 lakhs.**

1. MAS -

2. SA -

3. PGT -

4. TVC -

5. TPJ -

6. MDU -

7. CE/CN/ERS -

8. CE/CN/MS -

9. MTP -

(b) Works costing less than Rs. 5 lakhs.

1. MAS -

2. SA -

3. PGT -

4. TVC -

5. TPJ -

6. MDU -

7. CE/CN/ERS -

8. CE/CN/MS -

9. MTP -

B. Works in Progress.**(a) Works costing more than Rs. 5 lakhs.**

1. MAS -

2. SA -

3. PGT -

4. TVC -

5. TPJ -

6. MDU -

7. CE/CN/ERS -

8. CE/CN/MS -

9. MTP -

(b) Works costing less than Rs. 5 lakhs.

1. MAS -

2. SA -

3. PGT -

4. TVC -

5. TPJ -

6. MDU -

7. CE/CN/ERS -

8. CE/CN/MS -

9. MTP -

Siding-Conclcd.

Estimate cost (Rs. in Lakhs)

Sl. No.	Station	Name of Work	Estimated cost in ₹ lakhs	Position as on 31/3/2013
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IV.Railway Sidings

A Works Completed.

(a) Works costing more than Rs. 5 lakhs.

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

(b) Works costing less than Rs. 5 lakhs.

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

B. Works in Progress.

(a) Works costing more than Rs. 5 lakhs.

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

(b) Works costing less than Rs. 5 lakhs.

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

10. Strengthening of Track

Sl. No.	Division	Works Completed				Works in Progress			
		more than ₹ 5 lakhs		less than ₹ 5 lakhs		more than ₹ 5 lakhs		less than ₹ 5 lakhs	
		No. of Works	Aggregated Cost (₹ in lakhs).	No. of Works	Aggregated Cost (₹ in lakhs).	No. of Works	Aggregated Cost (₹ in lakhs).	No. of Works	Aggregated Cost (₹ in lakhs).
1	MAS	28	26699.66	—	—	45	29344.60	—	—
2	SA	2	80.00	—	—	3	201.42	—	—
3	PGT	13	1460.89	—	—	29	3311.86	—	—
4	TVC	—	—	—	—	3	358.72	—	—
5	TPJ	2	15.00	28	30.00	21	380.00	3	7.00
6	MDU	1	2657.00	—	—	—	—	—	—
7	CE/CN/ERS	—	—	—	—	—	—	—	—
8	CE/CN/MS	1	98.08	—	—	—	—	—	—
9	MTP	—	—	—	—	—	—	—	—
	Total	47	26797.74	28	30	101	33596.60	3	7.00

11. Fencing

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

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

1.	MAS	-	
2.	SA	Construction of boundary wall at MAP, TPT & BQI.	53.86
3.	PGT	-	
4.	TVC	-	
5.	TPJ	-	
6.	MDU	-	
7.	CE/CN/ERS	-	
8.	CE/CN/MS	TMV 600 m, TZD 400 m completed (1000mx1800)	18.00
9.	MTP	-	

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

1.	MAS	-	
2.	SA	Erode - Fencing around Type II - 48 units - barbed wire fencing.	0.8
3.	PGT	-	
4.	TVC	-	
5.	TPJ	-	
6.	MDU	DG-PLNI - Repairs to fallen compound wall near Quarters No.PLNI/49-52	1.96
7.	CE/CN/ERS	-	
8.	CE/CN/MS	-	
9.	MTP	-	

Sl. No.	Division/Station	Name of work	Cost of Rs. (in lakhs)
(B) Works in Progress :-			
(i) Works Costing more than ₹ 5 lakhs each :-			
1.	MAS	MPK - Compound Wall	28.89
		KPD Sec - Boundary wall	37.94
		KOKG - Compound wall	152.30
		MAS-GDR Sec. - Compound wall PF. ADEN/TVT.	46.94
		MAS-GDR Sec. - Compound wall PF. ADEN/SPE.	74.00
		TVT - Compound wall	35.55
		WST Sec. Compound wall	46.41
		TBM Sec. Compound wall	61.90
2.	SA	SE/P.Way/E/PTJ Section - Proposed rail fencing along side the road parallel to track vulnerable location in between CBF - MTP a length of 5000 m.	28.74
		Proposed rail fencing along side the road parallel to track between TUP-VNJ for a length of 5000 m.	28.74
		SE/P.Way/E/PTJ Section - Proposed rail fencing along side the road parallel to track vulnerable location in between VNJ-SNO a length of 4700 m.	27.07
		SE/P.Way/E/PTJ Section - Proposed rail fencing along side the road parallel to track vulnerable location in between SNO-PTJ a length of 2000 m.	11.53
		SE/P.Way/CBF Section - Proposed rail fencing along side the road parallel to track vulnerable location in between CBF-MTP a length of 3370 m.	19.48
		SE/P.Way/CBF/CTR Section - Proposed rail fencing along side the road parallel to track vulnerable location in between IGU-CBE a length of 3430 m.	19.89
		SE/P.Way/ONR Section - Proposed rail fencing along side the road parallel to track vulnerable location in between MTP-UAM a length of 1975 m.	13.42
		SA Division - Proposed safety barricades to prevent plying of road vehicle close to track.	25.00
		KRR - Sub division - Repairs to existing steel fencing in way side station.	40.83
3.	PGT	-	-
4.	TVC	-	-
5.	TPJ	-	-
6.	MDU	MDU	198
		KKDI - RMM Compound wall to sick line with pit line area along with Railway boundary phases.	41.83478
		SSE/W/DG Sec. Repairs to platform surface and fencing at PUG, KFC, AYR, VDM & TMP sections.	22.27
7.	CE/CN/ERS	-	-
8.	CE/CN/MS	-	-
9.	MTP	-	-
(ii) Works Costing less than ₹ 5 lakhs :-			
1.	MAS	-	-
2.	SA	-	-
3.	PGT	-	-
4.	TVC	NCJ - Provision of rail fencing for a length of 450 m.	0.46337
5.	TPJ	-	-
6.	MDU	-	-
7.	CE/CN/ERS	-	-
8.	CE/CN/MS	-	-
9.	MTP	-	-

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 each :-

1.	MAS	..	Nil
2.	SA	..	Nil
3.	PGT	..	Nil
4.	TVC	..	Nil
5.	TPJ	..	Nil

Sl.No.	Division	Station/ Section	Name of work	Cost of Rs. (in lakhs)
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6.	MDU	Nil		
7.	CE/CN/ERS	Nil		
8.	CE/CN/MS	Nil		
9.	MTP	Nil		

(ii) Works Costing less than ₹ 5 lakhs each :-

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

(B) Works in Progress :-

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

1.	MAS	RPM - Intermediate overhauling workshop/Zonal base depot for Track Machine. AVD - Electrical Multiple Unit shed - Expansion of Inspection shed & Stabling lines for 12 cars rake capacity. TBM Car Shed - Repairs to pathway.	53.26 800.00 84.72
2.	SA		
3.	PGT	MAQ - Standard facilities for maintenance depot for AC Coach.	43.00
4.	TVC		
5.	TPJ	GOC (Diesel Shed) - Creation of infrastructural facilities to home and maintain WDP4/WDG4 Locos. GOC - Diesel shed - Proposed store shed with covered high roof & service building to an area of 15 m x 30 m.	1431.00 116.00
6.	MDU	Nil	
7.	CE/CN/ERS	Nil	
8.	CE/CN/MS	Nil	
9.	MTP	Nil	

(ii) Works Costing less than ₹ 5 lakhs each

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

13. Provisional Improvements to offices Stores and Workshop etc.

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

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

1.	MAS	-		
2.	SA	-		
3.	PGT	-		
4.	TVC	-		
5.	TPJ		GOC Workshop - facilities for overhauling, high horse power new generations diesel locos.	2026.00
6.	MDU	-		
7.	CE/CN/ERS	-		
8.	CE/CN/MS		ED AC loco shed	1274.00
9.	MTP	-		

Sl. No.	Division/Station	Name of work	Cost of Rs. (in-lakhs)
(I) Works Costing less than ₹ 5 lakhs each			
1.	MAS	Nil	
2.	SA	Nil	
3.	PGT	Nil	
4.	TVC	Nil	
5.	TPJ	Nil	
6.	MDU	Nil	
7.	CE/CN/ERS	Nil	
8.	CE/CN/MS	Nil	
9.	MTP	Nil	
(A) Works in Progress :-			
(i) Works Costing more than ₹ 5 lakhs each :-			
1.	MAS	Works shop -TNPM Diesel loco shed - Proposed Effluent treatment facilitation to control water pollution.	25.00
		Reconstruction of OHE Tower wagon shed @ PON Tower wagon shed.	48.00
		Stores i) Perambur GSD construction of new building to replace existing RSG Main ward (26x20) ii) RCC Roofing strong room facility store non-ferrous scraps.	52.00
		Per (GSD) Main office building for CMM.	67.00
		TNPM - Diesel Stores Depot - Construction of office building.	53.00
		(i) DLS/ED - Improvements to natural lighting and asbestos.cement.	17.64
		(ii) DLS/ED Construction of covered shed for BOSCH tank.	18.00
		(iii) Erode Jn. - Reconstruction of old, tin sheet roofed in adequate TL/AC maintenance depot.	29.70
		(iv) METTUPALAYAM - Basic infrastructural facilities for NMR coach & Loco maintenance (id.1000/09-10) CE/OL.	156.00
		(v) ED/Diesel shed.- Replacing existing roofing AC sheets in Diesel	50.00
		SRR - Construction of SSE/PW/O/SRR.	26.08
3.	PGT	GOC - Modernisation of workshop	11465.00
4.	TVC	GOC (Diesel shed) - Creation of infrastructure facilities to home and maintain WDP4/WDG4 locos.	1431.00
5.	TPJ	GOC - Extension of traction motor & EBR shop with covered roof and heavy duty flooring for two stanchion length with welding fume, dust collector and solar heating cleaning system.	103.00
		GOC - Improvements of POH facilities extension of AC shop with pit line alternator testing facilities etc.	123.00
		GOC - Extension of EMW shop (12.20 m x 15.50 m) with gantry girder for EOT crane on a/c of increase in wagon production etc.	75.00
		GOC - Mass gas cyclinder shed for developing safe storage facility.	103.00
		GOC - Diesel shed - Proposed store shed with covered high roof and service building to an are of 15 m x 30 m.	116.00
6.	MDU	MDU - Dismantling and reconstruction of service building & vehicle parking area at divisional office.	93.00
7.	CE/CN/ERS		
8.	CE/CN/MS	ED - Diesel shed	2052.00
9.	MTP		
(II) Works costing less than Rs. 5 lakhs each.			
1.	MAS	Nil	
2.	SA	Nil	
3.	PGT	Nil	
4.	TVC	Nil	
5.	TPJ	Nil	
6.	MDU	Nil	
7.	CE/CN/ERS	Nil	
8.	CE/CN/MS	Nil	
9.	MTP	Nil	

14. Flood Investigation and related subjects 2014-15**A. A Review of Vulnerable Bridges and Reaches :**

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

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

b. During the year 2014-2015, Flood Organization has carried out the following investigation/studies.

- Detailed investigation to assess the waterway requirement for 49 Nos. bridges for Rebuilding/ Doubling/RVNL etc.,
- Detailed studies to clear the 43 Nos. GADs for major bridges and 4 bridge GADs of RVNL proposals were revised submitted by CN/RVNL.
- Submission of 13 nos. for flood clearance for issuing NOC for structures sought by State/Private parties.
- Detailed studies to clear 1 No. of siding proposal on flood point of view submitted by Division/CN.

B. River Gauging and Survey Works :

During the monsoon of 2014-2015 3 bridge sites were gauged in the Southern Railway as per the direction of RDSO/LKO. Hydro meteorological data were collected from the 3 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' in the state of Tamilnadu, Kerala, Puduchery, Andhra Pradesh and Karnataka.

During the year 2014-15 the above meeting was held for Tamilnadu, Andhra Pradesh and Karnataka on 09.09.2014, 13.05.2014 and 12.06.2014 respectively.

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

The Draft Manual of Instructions for Railway Affecting Works prepared in 1964 by the Research Design and Standards Organization 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 organization 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 Puduchery and Kerala have been approved by the concerned State Governments and Government Orders issued in this respect. Printed manuals pertaining to Tamilnadu, Andhra Pradesh, Karnataka and Union Territory of Pondicherry have been circulated among concerned officials. The manual pertaining to Kerala is under Printing.

E. Breaches and washaways

Details of breaches and washaways occurred during the year 2014-15 as follows :

Sl. No.	Division	Section	Date	Month	Year	Location Br. No. (Km./Post)	Description of Damages
1.	TVC	..	8	5	2014	ERS YARD	Flooding in North side of ERS yard and south side of ERN yard.
2.	MDU	DG-MDU	22	10	2014	448/200 (UP LINE)	Boulder fall
3.	TVC	SRR-ERS	23	10	2014	10/26-34 (Up & Dn. Lines).	Slips

14 B-Rehabilitation of Bridges : 2014-15

Sl. No.	Name of Work	No. of Bridges where work has been completed.	No. of Bridges where work is in progress.
	(a) Regirdering :	0	0
	(i) Replacement of weak/corrodred girders with new girders.	2	2
	(ii) Strengthening of weak/ Corrodred Girders	0	0
	(b) Replacement of existing girders/ timber Top with RCC slab	0	0
	(d) Repl. of exgisting weak/corrodred girders with new girders including strengthening of sub-structure.	9	7
14.B	(e) Rebuilding of existing weak .. bridges	35	15
	(f) Miscellaneous Bridge works including provision of centralised bearing, renewal of bed-blocks, etc.	4	0
	Total of items (a) to (f)	50	24
14.C	Extension of existing Bridges	0	0
14.D	Construction of new Bridges	0	0

15. Bridge Workshops (2014-15)

Sl. No.	Description of Item	T&P/GOC in tonnes	EWS/AJJ in tonnes	RCC Depot/ GOC in Nos.
1.	Fabrication of Bridge Girders	0	496.863	0
2.	Fabrication of Steel works - other than Girders like Foot Over Bridges, Platform Shelters, Flood Light Towers, Tanks & Steel Crib, etc.,	136	0	0
3.	Fabrication of other Steel items like Single Cranks, Boiler Tube Gates, Platform Push- Trolleys, Cash Chests, Lamps of Sorts, Combination Fish Plates and Rack Bars, etc.,	0	6.186	0
4.	Fabrication of Permanent Way Items like Points & Crossings, Glued joints, Points & Crossing Sleepers, CST-9 Sleepers, Reconditioning of Bearing Plates & Fish Plates, Hook/ Anchor Bolts, Jim crow, Lifting Barriers, Winches, Push Trolleys, Dip Lorries, Motor Trolleys, etc.,	0	1,808.968	0
5.	Other items like Reconditioning of Sleepers, Manufacturing of Skids, Beaters and other Miscellaneous items, etc.,	0	0	0
6.	(1) Manufacture of RCC Bridge Slabs	0	0	0
	(i) Manufacture of RCC Bridge Slabs - MG	0	0	0
	(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 diameter and Length.	0	0	0
	(vii) Speed breaker	0	0	815
	(viii) Curve Board	0	0	147
	(ix) CC platform shelter 2'x2'x3"	0	0	0
	(x) RCC slab 1'-6" x 1'-6" x 0-4"	0	0	0
	(xi) CC paver blocks for LC's	0	0	6,944
	(xii) CC KM Post	0	0	1340
Total		136	2,312.017	9,246

16. Permanent Way Renewals and welding of Rail Joints :

1. Permanent Way Renewals.—The physical progress of Permanent Way Renewals during 2014–2015.

(a) Through Renewals :

(Fig. in Track Kilometres)

Gauge	Primary		Secondary	
	Through Rail Renewal	Through Sleeper Renewal	Through Rail Renewal	Through Sleeper Renewal
Broad	161.74	35.20	33.38	40.17
Metre	0.00	0.00	0.00	0.00
Total	161.74	35.20	33.38	40.17

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

Type of point	BG	MG	Total
1 in 16	0.00	0.00	0.00
1 in 12	45.00	0.00	45.00
1 in 8.5	154.00	0.00	154.00
Special layouts	0.00	0.00	0.00
Traps	8.25	0.00	8.25
Switch + xing	33.00	0.00	33.00
Switch	32.50	0.00	32.50
Crossing	44.25	0.00	44.25
Total:	317.00	0.00	317

(c) Provision of Channel Sleepers :

Gauge	No. of Sleepers
Broad + Metre.. .. .	319

(d) Ballast put into the track during 2014-15 (in Thousands of cu.mts.)

Total Ballast collection during the year : 560.00 Total Ballast inserted during the year : 527.70

16.2—Track Materials used during the year 2013-14.. The permanent way materials used during the year 2014-15 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	81.34	113.78	0.00	0.00	0.00	0.00	195.12
Metre	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	81.34	113.78	0.00	0.00	0.00	0.00	195.12

(b) Sleepers*(in track kilometres)*

Gauge	Concrete	Steel	CST-9	Wooden	others	Total
Broad	75.37	0.00	0.00	0.00	0.00	75.37
Metre	0.00	0.00	0.00	0.00	0.00	0.00
Total	75.37	0.00	0.00	0.00	0.00	75.37

16.3—Materials in the track 2014-15—(Running Track) :**(a) Rails***(in Track Kilometres)*

Gauge	60 Kg.	52 kg.	90 lbs.	75 lbs	60 lbs.	50 lbs.	others	Total
BG	1368	5106	8	0	0	0	0	6482
MG			7		38	1		46
Total	1368	5106	8	0	38	1	0	6528

(b) Sleepers*(in Track Kilometres)*

Gauge	Concrete	Steel	CST-9	Wooden	Others	Total
Broad	6467	7	5	1	2	6482
Metre	7	19	19	1	0	46
Total	6474	26	24	2	2	6528

(c) Turnouts : (Main Lines)*(in Nos.)*

	1 : 16		1 : 12		1 : 8.5		Others	Total	
	BG.	MG	BG	MG	BG	MG	MG	BG	MG
PSC	51	0	2605	0	1017	0	0	3673	0
Steel	0	0	0	1	0	2	0	0	3
Wooden	0	0	0	2	0	31	20	0	53
Total	51	0	2605	3	1017	33	20	3673	56

16.4.-Welding of Rail Joints :

(a) Total No. of Joints welded during the year 2014-15.

(Figures in Nos.)

Gauge	Total No. of Joints welded
Broad + Metre	18,519

(b) Total length of welded track as on 31st March 2015

(Figures in Track Kms.)

Gauge	Short Welded Panels	Long Welded Rails/Continuous Welded Rails	Total
Broad ..	741	5690	6431
Metre ..	0	0	0
Total ..	741	5690	6431

(c) Flash Butt Welding Plant :

The work done at the Flash Butt Welding Plant in the Railway 2014-15.

Plant at	Number of joints Welded
Arakkonam	The ESAB Stationary welding plant commissioned during 1986 broke down during August 2013 on age cum condition basis. Since then no production by department. Only an agency is carrying out the welding by mobile Flash Butt Welding Plant and the production for the year is 12701 joints as against the board target of 7500 joints.

16.5-Speed Restriction :

(a) Speed Restrictions in force on 31st March 2015 due to poor condition of track :-

(in Kilometres)

As on	Broad Gauge	Metre Gauge	Total
31-3-2015	0.00	0.00	0.00

(b) Speed Restriction in force as on 31st March 2015 due to reasons other than the above :-

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

(in kilometres)

As on	Broad Gauge	Metre Gauge	Total
31-3-2015	378.53	0.00	378.53

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

(in kilometres)

As on	Broad Gauge	Metre Gauge	Total
31-3-2015	390.83	0.00	390.83

17. Track Renewals

Renewals of the following track kilometres were carried during 2014-15 :-

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

Division	Broad Gauge	Metre Gauge
Chennai	70.65	0.00
Salem	30.41	0.00
Palakkad	14.48	0.00
Thiruvananthapuram	41.61	0.00
Tiruchchirappalli	22.06	0.00
Madurai	6.91	0.00
Total	195.12	0.00

(ii) Through sleeper renewals (Primary & Secondary)

Division	Broad Gauge	Metre Gauge
Chennai	19.23	0.00
Salem	15.83	0.00
Palakkad	11.05	0.00
Thiruvananthapuram	24.32	0.00
Tiruchchirappalli	2.33	0.00
Madurai	2.61	0.00
Total	75.37	0.00

18. Chapter IV para 18 Natural Causes, Floods, Cyclones, Fire & Civil Disturbance etc. (Damages)

Sl. No.	Division	Station-Section particulars	Approximate cost of damages (₹ in Lakhs)
1.	MAS	Secy. to CPO and Dy. CPO/RT/HQ	0.745
2.	SA	Nil	
3.	PGT	Nil	
4.	TVC	Nil	
5.	TPJ	Nil	
6.	MDU	Nil	
7.	CE/CNERS	Nil	
8.	CE/CN/MS	Nil	
9.	MTP	Nil	

19. Staff Amenities

Sl. No.	Division	Name of work	Estimate Cost ₹ in lakhs
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(II) Improvements to Water supply.**(A) Works Completed :—***(i) Works costing more than ₹ 5 lakhs each.—*

1	MAS	Provision of water supply to Quarters, Good sheds and stations.	77.00
2	SA	SA Division - Provision of drinking water facilities at goodsheds at SA, SAMT, ED, IGU, PLMD & CBF.	50.00
		Podanur - Provision of individual storage water tank at Staff Quarters (400 Nos.)	49.00
		Salem Division: Provision of purified drinking water to stations through water treatment systems @ CBE.	20.00
3	PGT	Construction of OHT 90000 ltrs.	47.56
4	TVC	-	
5	TPJ	-	
6	MDU	MPA station - Provision of 20 mm dia bore well and laying of 80mm dia pipe at Km.378/200-300 and construction of pump house (Agt.no.MDU/30/2015 dt. 23.01.15).	32.03
		MPA station - Provision of GLR, Electrical pump and pipe line arrangements (Agt.No.MDU/30/2015 dt. 23.01.15).	
7.	CE/CN/MS	Nil	
8.	CE/CN/ERS	Nil	
9.	MTP	Nil	

ii) Works costing less than Rs. 5 lakhs each.

1.	MAS	Nil	Nil
2.	SA	Nil	Nil
3.	PGT	Nil	Nil
4.	TVC	Nil	Nil
5.	TPJ	Nil	Nil
6.	MDU	DG Jn. Replacement of dilapidated water pipe line in colony.	1.50
7.	CE/CN/MS	Nil	Nil
8.	CE/CN/ERS	Nil	Nil
9.	MTP	Nil	Nil

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

1.	MAS	PWQ - Construction of OHT and borewell	150.73
		PER - Water proofing arrangements and water supply arrangements	191.55
		AJJ - Provision of new OHT at winterpet colony.	30.00
		PT - Improvements to Staff Quarters at PT colony.	100.00
2.	SA	-	
3.	PGT	Provision of toilets borewell at Levelcrossings.	22.52
4.	TVC	Ernakulam Coaching Complex. Watering arrangements by laying 200 mm dia. Pipe from Muvatupuzha river near Piravam Road station.	806.00
5.	TPJ	GOC - Provision of borewells - Construction of GLR and overhead tank for RH/GOC and Dsl. Shed/GOC.	162.00
6.	MDU	RMM - Additional Drinking Water Supply in Tank Mounted Lorry to Station and Colony.	10.17
		Karaikkudi - Additional drinking water supply for carriage watering.	24.36
7.	CE/CN/MS	-	
8.	CE/CN/ERS	-	
9.	MTP	-	

Staff Amenities—(Contd.)

Sl. No.	Division	Name of work	Estimate Cost in lakhs
Works in Progress			
<i>(ii) Works costing Less than ₹ 5 lakhs.</i>			
1.	MAS	Nil	
2.	SA	Nil	
3.	PGT	Repairs to pump house near new water tank	1.81
4.	TVC	Nil	
5.	TPJ	Nil	
6.	MDU	Nil	
7.	CE/CN/MS	Nil	
8.	CE/CN/ERS	Nil	
9.	MTP	Nil	
(II) Improvements to sanitation.			
(A) Works Completed.			
<i>(i) Works costing more than ₹ 5 lakhs each.</i>			
1.	MAS	PON, GPD	60.00
2.	SA		Nil
3.	PGT	CLT & CAN - Cleaning of underground sewage.	32.45
		Repairs and improvement of gate lodge including provision of lavatory under sewage system.	28.13
		MAQ Sec. Cleaning of underground sewage system.	9.28
4.	TVC	Improvements to drainage arrangements at Poojappura, Thampanoor & Pettah colonies.	179.39
5.	TPJ	Nil	
6.	MDU	Nil	
7.	CE/CN/MS	Nil	
8.	CE/CN/ERS	Nil	
9.	MTP	Nil	
<i>(ii) Works Costing less than ₹ 5 lakhs each.</i>			
1.	MAS	Nil	
2.	SA	Nil	
3.	PGT	CAN - Repairs to drain near Qrs.No.51AB	1.85
		Repairs to damaged drain near Qrs.No.60AB & 61 AC	1.71
		Repairs to the crossing drain near Qrs.No.51 AF to 161 AD.	1.02
4.	TVC	-	
5.	TPJ	-	
6.	MDU	SCT station - Repairs to open drain in back side of quarters.No.117A-B to 120A-B & 64A-B to 99A-B in SCT station.	1.80
7.	CE/CN/MS	Nil	
8.	CE/CN/ERS	Nil	
9.	MTP	Nil	
B. Work in Progress			
<i>(i) Works costing more than ₹ 5 lakhs each.</i>			
1.	MAS	TBM	239.74
2.	SA	Nil	
3.	PGT	MAQ - Re-roofing of Staff Quarters type I - 20 units, Type II - 45 units.	49.00
4.	TVC	Nil	
5.	TPJ	Nil	
6.	MDU	Tiruchchirappalli (Excl) - Manamadurai - Rameswaram Section: Maintenance of under ground sewerage system in Railway Colony, service building for the period of two years.	14.55
7.	CE/CN/MS	Nil	
8.	CE/CN/ERS	Nil	
9.	MTP	Nil	

Staff Amenities—(Contd.)

Sl. No.	Division	Station	Name of work	Estimate Cost in lakhs
<i>(ii) Works costing Less than ₹ 5 lakhs.</i>				
1.	MAS	Nil		
2.	SA	Nil		
3.	PGT	Nil		
4.	TVC	Nil		
5.	TPJ	Nil		
6.	MDU	Nil		
7.	CE/CN/MS	Nil		
8.	CE/CN/ERS	Nil		
9.	MTP	Nil		
(III) Other Staff Amenity work				
A. Works completed.				
<i>(i) Works costing more than ₹ 5 lakhs each.</i>				
1.	MAS	Nil		
2.	SA	Nil		
3.	PGT		Re-roofing with RCC slabs and repairs to doors and windows (type III - 28 units)	33.00
4.	TVC		Repairs to toilet of Divisional Office,	44.93
5.	TPJ		-	
6.	MDU		SSE/Works/MDU: Repairs the door & windows flooring and Colony approach road at MDU colony.	120.00
7.	CE/CN/MS	Nil		
8.	CE/CN/ERS	Nil		
9.	MTP	Nil		
<i>(ii) Works costing Less than ₹ 5 lakhs each.</i>				
1.	MAS	Nil		
2.	SA	Nil		
3.	PGT		CLT - Repairs to flooring of Qrs.No.41	1.22
			PAZ - Repairs to flooring of Qrs.No.PAZ.	0.53
			KPQ - Repairs to the road in front of Qr.No.3.	1.99
			CAN - Repairs to flooring of Qrs.No.77A & 10.	1.38
			PAZ - Repairs to the foot path of Qrs.No.5, 6, 17AB & 18.	1.56
			CAN - Repairs to the Dust bin in Rly. Colony.	1.46
			PAZ - Repairs to the plinth of Qrs.5,6,9,12,13,17 & 18.	1.77
			PAZ - Repairs to the foot path of Qrs.No.9 & 12AB.	1.07
			KPQ - Repairs to the road in front of Qrs.No.6 & 7.	1.96
			KPQ - Repairs to the plinth of Qrs.No.3,7,8,11,12.	1.82
			KPQ - Repairs to the trellis of Qrs.No.3,6,8 & 12.	1.73
			PAZ - Repairs to the trellis of Qrs.No.6,7 & 17.	1.02
			CAN - Repairs to the baths toilet of Qrs.No.10.	1.99
			CAN - Repairs to the plinth of Qrs.No.10.	1.23
			CAN - Repairs to the leaky roof of Qrs. No.144A.	1.61
			CAN - Repairs to the roof of Qrs.No.10	1.99
			KPQ - Repairs to Qrs.No.17.	0.83
			CAN - Repairs to flooring of Qrs.No.158AB.	1.68
			CAN - Repairs to water pipe line, sewer line & Ventilator of Qrs.No.147 AB, 167 AF & 144AB.	1.49
			CAN - Repairs to Qrs.No.15A.	1.58
			CAN - Repairs to flooring of Qrs.No.10.	1.90
			CAN - Repairs to Qrs.No.54 AB.	0.72
4.	TVC		TVC - Repairs to toilet of Divisional Office.	44.93
5.	TPJ	Nil		
6.	MDU		1. Repairs to toilet at LC No.495.	0.68
			2. PBKS Stn. - Repairs to Gang rest room at PBKS stn.	1.54
			3. Repairs to Holiday Home at Courtralam	1.30
			4. TSI Stn. - Repairs to leaky roof in Staff Quarters No.28 10, 12A-F, & 13A-E in TSI Stn.	1.90

Staff Amenities—(Contd.)

Sl. No.	Division	Station	Name of work	Estimate Cost in lakhs
			5. TSI Stn. - Repairs to toilet, bathrooms & floor of TSI/12 A-F block in TSI Stn.	0.90
			6. TSI Stn. - Repairs to toilet, bathroom and floor of TSI/13A-E block in TSI Stn.	0.70
			7. Repairs to toilet at LC No.524 & 525 at SE/P/PUU.	1.25
			8. PUU Stn. - Repairs to Qrs. No.40A-B & 30 A-D at PUU station.	1.68
			9. PUU Stn. - Repairs to RPF Office at PUU Stn.	1.95
			10. KKY-TSI Sec. Repairs to toilet at LC No.79,81, 83 & 86.	2.00
			11. PCM Stn. Repairs to Gang rest room Qrs. at PCM. PCM Station.	0.75
7.	CE/CN/MS	Nil		
8.	CE/CN/ERS	Nil		
9.	MTP	Nil		

B. Works in Progress

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

1.	MAS	Nil		
2.	SA		Salem - Expansion of Officers club and institute at Salem Phase - II.	200.00
3.	PGT		Re-roofing of RCC Slabs and repairs to doors and windows (type III - 28 units)	59.00
			De-weeding and maintaining of Rly.colony stations and Divisional Office premises.	7.00
			Repairs to walls and flooring of kitchens, bathrooms & toilets of staff Quarters.	
			Replacement of abandoned trellies with steel grills in Rly.Qrs.	21.00
			Re-roofing of staff quarters Type II - 100 units.	180.00
			Brightening up of all Staff Qrs. in Rly.Colony.	70.00
			CLT & CAN Brightening up of all Staff Qrs. in Rly. Colony.	26.96
			CAN - Brightening up of all Staff Qrs.	28.69
4.	TVC		Repairs to staff quarters at Thampanoor & Poojapura.	55.48
			Repairs to Staff Quarters at Poojapura.	76.61
			TVC - Coaching depot - Building for Staff Canteen.	12.70
5.	TPJ		Construction of community hall at TP & VRI section.	545.00
			VM (North & South) Improvements to Quarters, Colony roads, watering & drainage arrangement.	425.00
			GOC - Improvements to Staff Quarters in Diesel Shed - 76 Units under Corporate Welfare Plan.	24.00
			TPJ Dn. - Rewiring of staff qrs. Type II - 1000 units for ensuring safety of staff and occupants	168.00
6.	MDU	Nil		
7.	CE/CN/MS	Nil		
8.	CE/CN/ERS	Nil		
9.	MTP	Nil		

(ii) Works costing Less than ₹ 5 lakhs each.

1.	MAS	Nil		
2.	SA	Nil		
3.	PGT	Nil		
4.	TVC	Nil		
5.	TPJ	Nil		
6.	MDU		Repairs to Gang rest room at KKY station & Gang tool box door at KKY, MTE & PCM.	1.75
7.	MDU	Nil		
8.	CE/CN/MS	Nil		
9.	CE/CN/ERS	Nil		
9.	MTP	Nil		

(IV) Hospital and Health units

(A) Works completed

(I) Works costing more than ₹ 5 lakhs each.

1.	MAS	Nil		
2.	SA	Nil		
3.	PGT	Nil		
4.	TVC		Repairs to Railway Hospital buildings and premises.	77.98
5.	TPJ	Nil		
6.	MDU	Nil		

Staff Amenities—(Contd.)

Sl. No.	Division	Station	Name of work	Estimate Cost in lakhs
7.	CE/CN/MS	New Railway Hospitals Phase I		1637.00
		New Railway Hospitals Phase II		4419.00
		Construction of accommodation for Relatives of Indoor patients.		174.00
8.	CE/CN/ERS	Nil		
9.	MTP	Nil		
<i>(I) Works costing less than ₹ 5 lakhs each.</i>				
1.	MAS	Nil		
2.	SA	Nil		
3.	PGT	CLT - Repairs to CC paving around Rly.Hospital.		1.56
4.	TVC	Repairs to Rly.Hospital building and premises.		77.98
5.	TPJ	Nil		
6.	MDU	Nil		
7.	CE/CN/MS	Nil		
8.	CE/CN/ERS	Nil		
9.	MTP	Nil		

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

1.	MAS	RH/PER		41.73
		HU/SPE		21.48
		TBM		66.90
2.	SA	Reconstruction of Hospital building at Erode.		513.00
3.	PGT	Nil		
4.	TVC	Trivandrum Pettah - Provision of ICU in space near Operation theatre (four bed).		9.90
5.	TPJ	Nil		
6.	MDU	SSE/Works/MDU- Improvements in wall, flooring & circulating area.		50.00
7.	CE/CN/MS	Nil		
8.	CE/CN/ERS	Nil		
9.	MTP	Nil		

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

1.	MAS	Nil		
2.	SA	Nil		
3.	PGT	Nil		
4.	TVC	Nil		
5.	TPJ	Nil		
6.	MDU	SCT Station - Repairs to Health Unit PME room & Pharmacy SCT station.		0.65
7.	CE/CN/MS	Nil		
8.	CE/CN/ERS	Nil		
9.	MTP	Nil		

(V) SCHOOLS AND HOSTELS**(A) Works Completed.***(I) Works costing more than ₹ 5 lakhs each.*

1.	MAS	Nil		
2.	SA	Nil		
3.	PGT	Nil		
4.	TVC	Nagercoil - Sub-ordinate rest room in first floor of station building.		9.90
5.	TPJ	Upgradation of training facilities at zonal Railway Training Institute.		319.00
6.	MDU	Nil		
7.	CE/CN/MS	Nil		
8.	CE/CN/ERS	Nil		
9.	MTP	Nil		

Staff Amenities—(Contd.)

Sl. No.	Division	Station	Name of work	Estimate Cost in lakhs
<i>(ii) Works costing less than ₹ 5 lakhs each.</i>				
1.	MAS	..	Nil	
2.	SA	..	Nil	
3.	PGT	..	Nil	
4.	TVC	..	Nil	
5.	TPJ	..	Nil	
6.	MDU	..	Nil	
7.	CE/CN/MS	..	Nil	
8.	CE/CN/ERS	..	Nil	
9.	MTP	..	Nil	
(B) Works in progress				
<i>(i) Works costing more than ₹ 5 lakhs each.</i>				
1.	MAS	..	SRCETC TBM	99.00
2.	SA	..	Nil	
3.	PGT	..	Nil	
4.	TVC	..	Nil	
5.	TPJ	..	Nil	
6.	MDU	..	Nil	
7.	CE/CN/MS	..	Nil	
8.	CE/CN/ERS	..	Nil	
9.	MTP	..	Nil	
<i>(ii) Works costing less than ₹ 5 lakhs each.</i>				
1.	MAS	..	Nil	
2.	SA	..	Nil	
3.	PGT	..	Nil	
4.	TVC	..	Nil	
5.	TPJ	..	Nil	
6.	MDU	..	Nil	
7.	CE/CN/MS	..	Nil	
8.	CE/CN/ERS	..	Nil	
9.	MTP	..	Nil	
(VI) Running Room				
(A) Works Completed				
<i>(i) Works costing more than ₹ 5 lakhs each.</i>				
1.	MAS	..	CPD	38.00
2.	SA	..	Improvements to running room at Erode.	50.00
3.	PGT	..	CLT - Improvements to Running room.	16.72
		..	MAQ - Improvements to kitchen, dinning room etc. in running room.	50.00
4.	TVC	..	NCJ - Construction of new running room.	57.00
5.	TPJ	..	Nil	
6.	MDU	..	SCT Station - Improvements to running room.	57.43
7.	CE/CN/MS	..	Nil	
8.	CE/CN/ERS	..	Nil	
9.	MTP	..	Nil	
<i>(ii) Works costing less than ₹ 5 lakhs each.</i>				
1.	MAS	..	Nil	
2.	SA	..	Nil	
3.	PGT	..	CAN - Repairs to the running room grills.	0.39
		..	CAN - Repairs to the toilet first floor of running room.	1.62
		..	Brightening up of running room.	1.92
4.	TVC	..	Nil	
5.	TPJ	..	Nil	
6.	MDU	..	Nil	
7.	CE/CN/MS	..	Nil	
8.	CE/CN/ERS	..	Nil	
9.	MTP	..	Nil	

Staff Amenities—(Contd.)

Sl. No.	Division	Station	Name of work	Estimate Cost in lakhs
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Works in Progress

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

1.	MAS	MS		99.00
		JTJ		
2.	SA	Nil		77.00
3.	PGT	Nil		
4.	TVC		TVC Dn. Improvements to hot water arrangements in the running room.	10.00
			Improvements to ventilation and lighting arrangements in the running bungalows & rest houses.	9.90
5.	TPJ	Nil		
6.	MDU	Nil		
7.	CE/CN/MS	Nil		
8.	CE/CN/ERS	Nil		
9.	MTP	Nil		

(ii) Works costing less than ₹ 5 lakh each.

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

VII) Miscellaneous Works**(A) Works Completed**

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

1.	MAS	—		
2.	SA	Nil		
		Nil		
3.	PGT		MAQ - Brightening up of service building and Staff Qrs.	12.00
			Removing rank vegetation in MAQ colony way side stations.	8.15
4.	TVC		Improvements to Thampanoor Rly. Institute.	9.90
			Replacement of age old ceiling fans/Provision of additional fans in Quarters.	2.70
5.	TPJ		Improvements to heritage centre buildings	106.00
6.	MDU	Nil		
7.	CE/CN/MS	Nil		
8.	CE/CN/ERS	Nil		
9.	MTP	Nil		

(ii). Works costing less than ₹ 5 lakh each.

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

Staff Amenities—(Concl'd.)

Sl. No.	Division	Station	Name of work	Estimate Cost in lakhs
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(B) Works in Progress

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

1.	MAS		MS - Construction of Staff rest room.	16.09
			TBM - Provision of Dinning hall.	77.00
2.	SA		I & II Quarters (102 units) at Podanur including complete sanitary fittings.	123.00
3.	PGT		Nil	
4.	TVC		Ernakulam - Construction of Rly. Institute cum Women's Welfare Organisation.	9.90
			TVC - Improvement to Control Office.	17.74
5.	TPJ			
6.	MDU		ADEN/SCT: Other end facilities for platform turn around trains.	22.42
7.	CE/CN/MS		Nil	
8.	CE/CN/ERS		Nil	
9.	MTP		Nil	

(ii). Works costing less than ₹ 5 lakh each.

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

20. Level Crossing

1. No. of level crossing category-wise (As on 31-3-2015)		3. No. of level crossings were additional men were provided without upgrading during 2014-15.	Nil
Special Class	433	4. No. of level crossings upgraded during 2014-15	39
'A' Class	171	5. No. of level crossings provided with Lifting Barriers during 2014-15.	Nil
'B' Class	147	a) Inter-locked level crossings.	Nil
'C' Class	1083	b) Non-interlocked level crossings.	Nil
'C' Class unmanned	713		
Canal Crossing	6		
Total	2553	Total	Nil
2. No. of level crossings manned during 2014-15		6. No. of level crossings where traffic census was taken in 2014-15 and action taken in such cases.	150
a) Accident prone from ACSPF(b)/DF4/Safety Fund	24	7. No. of level crossings downgraded during 2014-15	Nil
b) From Railway Safety Works (20% segment)	Nil	8. No. of level crossings De-manned/Closed during 2014-15.	88
c) At State Government's Cost (Reimbursable From 80% Segment of RSWF)	Nil		
d) Others (MPLADS)	Nil		
Total	24		

21 (a) Statistics of Rail Usage

Rail renewal carried over on various sections during the year 2014-2015

Name of the Section	UP/DN/ SL	Year of sanction	Sanctioned Length	Exg. Rail Section	Rail Renewal done with	Length Renewed during the year
BROAD GAUGE						
ROUTE-'A'						
Chennai Central - Gudur	UP	2013-14	8.50	52 kg	60 kg	0.30
Chennai Central - Gudur	UP	2011-12	21.00	52 kg	60 kg	1.40
Chennai Central - Gudur	Yard	2007-08	1.20	90R	52 kg II	0.90

ROUTE-'B'

Chennai Central - Arakkonam	DN Fast	2014-15	Need based	60 kg	60 kg	2.60
Chennai Central - Arakkonam	UP Fast	2014-15	0.95	60 kg	60 kg	0.95
Chennai Central - Arakkonam	UP Fast	2014-15	1.00	60 kg	60 kg	1.00
Chennai Central - Arakkonam	UP Fast	2014-15	0.80	60 kg	60 kg	0.80
Chennai Central - Arakkonam	DN Fast	2014-15	1.00	60 kg	60 kg	1.00
Chennai Central - Arakkonam	UP/DN Fast	2013-14	2.86	60 kg	60 kg	1.00
Chennai Central - Arakkonam	DN	2013-14	1.00	60 kg	60 kg	1.00
Chennai Central - Arakkonam	DN	2013-14	1.00	60 kg	60 kg	0.50
Chennai Central - Arakkonam	Yard	2011-12	4.00	90/80 BH	52 kg II	1.66
Chennai Central - Arakkonam	Yard	2007-08	10.59	90 R II	52 kg II	0.51
Arakkonam - Jolarpettai	UP	2015-16	2.60	60 kg	60 kg	2.60
Arakkonam - Jolarpettai	DN	2013-14	0.56	52 kg	60 kg	0.26
Arakkonam - Jolarpettai	UP	2012-13	0.60	52 kg	60 kg	0.60
Arakkonam - Jolarpettai	DN	2013-14	0.60	52 kg	60 kg	0.20
Arakkonam - Jolarpettai	Yard	2010-11	0.59	90R	52 kg II	1.20
Arakkonam - Jolarpettai	Yard	2012-13	6.00	90R	52 kg II	0.74
Arakkonam - Jolarpettai	Yard	2012-13	10.21	90/80 BH	52 kg II	1.00
Chennai Beach - Tambaram	UP/DN	2012-13	9.35	60 kg	60 kg	2.23
Chennai Beach - Tambaram	UP	2012-13	10.50	52 kg	60 kg	1.05
Chennai Beach - Tambaram	B line	2013-14	11.90	52 kg	60 kg	1.82
Tambaram - Chengalpattu	UP	2014-15	16.50	60 kg	60 kg	16.50
Chengalpattu - Villupuram	SL	2014-15	Need based	52 kg	52 kg	3.71
Chengalpattu - Villupuram	SL	2014-15	13.00	52 kg	52 kg	13.00
Chengalpattu - Villupuram	DN	2014-15	7.50	52 kg	52 kg	7.50
Chengalpattu - Villupuram	DN	2014-15	7.80	52 kg	52 kg	7.80
Chengalpattu - Villupuram	A line	2014-15	Need based	52 kg	52 kg	0.39
Chengalpattu - Villupuram	..	2014-15	Need based	52 kg	52 kg	0.43
Jolarpettai - Salem	UP	2014-15	2.50	52 kg	60 kg	2.50
Jolarpettai - Salem	UP	2013-14	2.50	52 kg	60 kg	2.50
Jolarpettai - Salem	UP	2015-16	4.20	52 kg	60 kg	2.00
Jolarpettai - Salem	UP	2014-15	3.05	52 kg	60 kg	3.55
Jolarpettai - Salem	DN	2014-15	2.10	52 kg	60 kg	2.10
Jolarpettai - Erode	Yard	2012-13	Need based	90 R	52 kg II	2.63
Salem - Erode	DN	2014-15	1.60	60 kg	60 kg	1.60
Salem - Erode	UP	2013-14	1.00	60 kg	60 kg	1.00
Salem - Erode	UP	2013-14	1.00	60 kg	60 kg	1.00
Salem - Erode	DN	2013-14	3.80	52 kg	60 kg	3.80
Salem - Erode	DN	2013-14	1.00	52 kg	60 kg	1.00
Salem - Erode	DN	2011-12	7.00	60 kg	60 kg	0.41
Salem - Erode	DN	2014-15	1.20	60 kg	60 kg	1.20
Salem - Erode	Yard	2014-15	Need based	52 kg II	52 kg	0.26

Name of the Section	UP/DN/SL	Year of sanction	Sanctioned Length	Exg. Rail Section	Rail Renewal done with	Length Renewed during the year
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ROUTE-'B'

Erode - Irugur	DN	2014-15	Need based	60 kg	60 kg	1.52
Erode - Irugur	UP/DN	2012-13	1.58	52 kg	52 kg	0.35
Erode - Irugur	DN	2014-15	Need based	52 kg	52 kg	0.92
Irugur - Coimbatore-Podanur	SL	2014-15	Need based	52 kg	52 kg	0.09
Podanur - Shoranur	DN	2014-15	Need based	52 kg	52 kg	0.78
Podanur - Shoranur	Yard	2002-03	2.35	90R	52 kg II	2.35
Podanur - Shoranur	Yard	2010-11	2.45	80BH	52 kg II	1.35
Podanur - Shoranur	Yard	2013-14	3.77	90R	52 kg II	2.92
Shoranur - Ernakulam	DN	2012-13	1.25	52 kg	60 kg	0.29
Shoranur - Ernakulam	UP/DN	2013-14	4.45	52 kg	60 kg	4.45
Shoranur - Ernakulam	UP	2013-14	2.31	52 kg	60 kg	2.31
Shoranur - Ernakulam	UP	2014-15	0.30	52 kg	52 kg	0.30
Shoranur - Ernakulam	Yard	2012-13	1.60	52 kg	52 kg II	1.60
Shoranur - Ernakulam	Yard	2013-14	0.91	90R	52 kg II	0.91
Villupuram - Tiruchchirappalli (Chord)	SL	2014-15	10.20	52 kg	52 kg	10.20
Villupuram - Tiruchchirappalli (Chord)	SL	2013-14	1.30	52 kg	52 kg	1.30
Villupuram - Tiruchchirappalli (Chord)	SL	2014-15	4.00	52 kg	52 kg	4.00
Villupuram - Tiruchchirappalli (Chord)	SL	2013-14	1.30	52 kg	52 kg	1.30
Villupuram - Tiruchchirappalli (Chord)	SL	2014-15	0.28	52 kg	52 kg	0.28
Villupuram - Tiruchchirappalli (Chord)	SL	2012-13	Yard	90R	52 kg II	1.43
Villupuram - Tiruchchirappalli (Chord)	SL	2013-14	Yard	90R	52 kg II	1.00

ROUTE-'C'

—Nil—

ROUTE-'D' Special

—Nil—

ROUTE-'D'

Shoranur - kozhikode	DN	2013-14	1.00	52 kg	52 kg	1.33
kozhikode - Mangalore	DN	2014-15	Need based	52 kg	52 kg	2.63
Mangalore Jn. - Hassan	DN	2013-14	1.00	52 kg	52 kg	1.00
Ernakulam - Kollam	Yard	2012-13	5.81	90R	52 kg II	3.28
Ernakulam - Kayankulam	SL	2014-15	1.01	52 kg	60 kg	1.01
Ernakulam - Kayankulam	SL	2011-12	2.38	52 kg	52 kg	1.07
Ernakulam - Kayankulam	SL	2012-13	1.54	52 kg	60 kg	1.54
Ernakulam - Kayankulam	SL	2012-13	1.70	52 kg	60 kg	0.70
Ernakulam - Kayankulam	SL	2012-13	1.45	52 kg	52 kg	1.09
Ernakulam - Kayankulam	SL	2014-15	2.25	90R	52 kg II	0.75
Kayankulam - Kollam	DN	2013-14	4.68	52 kg	60 kg	0.51
Kayankulam - Kollam	SL/DN	2013-14	3.61	52 kg	60 kg	2.71
kayankulam - Thiruvananthapuram Central	Yard	2012-13	4.12	90R	52 kg II	2.77
Kollam - Thiruvananthapuram Central	SL/UP	2010-11	5.88	52 kg	52 kg	0.40
Kollam - Thiruvananthapuram Central	DN	2012-13	0.50	52 kg	52 kg	0.60
Kollam - Thiruvananthapuram Central	DN	2012-13	0.70	52 kg	52 kg	0.26
Kollam - Thiruvananthapuram Central	DN	2012-13	1.00	52 kg	52 kg	0.81
Kollam - Thiruvananthapuram Central	SL/DN	2013-14	5.03	52 kg	52 kg	1.21

Name of the Section	UP/DN/ SL	Year of sanction	Sanctioned Length	Exg. Rail Section	Rail Renewal done with	Length Renewed during the year
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ROUTE-'D'

Kollam - Thiruvananthapuram Central	DN	2013-14	1.00	52 kg	52 kg	1.03
Kollam - Thiruvananthapuram Central	UP	2013-14	1.00	52 kg	52 kg	1.31
Ernakulam - Alappuzha-kayankulam	SL	2014-15	Need based	52 kg	52 kg	4.82
Ernakulam - Alappuzha-kayankulam	SL	2014-15	Need based	52 kg	52 kg	2.95
Ernakulam - Thiruvananthapuram Central	Yard	2013-14	5.16	90R	52 kg II	1.40
Thiruvananthapuram Central - Nagercoil	Yard	2012-13	0.68	90R	52 kg II	0.18
Villupuram - Tiruchchirappalli (M)	SL	2014-15	0.45	52 kg	52 kg	0.65
Virudunagar - Vanchi Maniyachchi	SL	2014-15	11.55	52 kg	52 kg	3.66
Manamadurai - Rameswaram	SL	2013-14	0.85	52 kg	52 kg	0.85
Manamadurai - Rameswaram	SL	2013-14	0.85	52 kg	52 kg	0.85
Manamadurai - Rameswaram	SL	2013-14	2.10	90R	52 kg II	1.54

ROUTE - E Special

—Nil—

ROUTE - E

Veysarpadi Jeeva - Korukkupettai	UP/DN	2007-08	3.80	52 kg	60 kg	3.10
Korukkupettai-Washermanpet	UP/DN	2008-09	1.90	52 kg	60 kg	1.90
Magnesite - Metur Dam	SL	2013-14	1.50	52 kg	60 kg	1.96
Shoranur - Nilambur Road	SL	2009-10	1.16	52 kg	52 kg	1.27
Shoranur - Nilambur Road	SL	2011-12	7.52	90 R II	60 kg	0.85
Ernakulam - Kochi Harbour Terminus	Yard	2013-14	3.00	90 R	52 kg II	0.73
Thiruvananthapuram Central - Nagercoil	Yard	2005-06	0.60	90R	52 kg II	0.60
Tiruchchirappalli Fort-Tiruchchirappalli Jn.	Yard	2010-11	1.56	90 R II	52 kg II	0.40
Thanjavur - Tiruvarur	Yard	2012-13	1.50	90 R II	52 kg II	1.50

METRE GAUGE

—Nil—

21. (b) Average traffic in Gross Million Tonnes per running track kilometrage carried over on various sections during the year 2014-2015.

Sl. No.	Section	Group	GMT carried during 2014-15 (in million Tonnes)			
			Double Line		Single Line	
			UP	DN		
	Broad Gauge					
1	Chennai Central – Gummidipundi	A	26.71	22.46	..	
2	Gummidipundi – Sullurupeta	A	22.36	18.11	..	
3	Sullurupeta – Gudur	A	20.68	16.43	..	
1	Chennai Central –Tiruvallur(Fast Line)	B	28.28	39.99	..	
1a	Chennai Central –Tiruvallur(Slow Line)	B	15.66	15.66	..	
2	Tiruvallur– Arakkonam	B	33.63	45.34	..	
3	Arakkonam – Katpadi	B	31.77	48.47	..	

Sl No.	Section.	Group	GMT carried during 2014-15 (in million Tonnes)		
			Double Line		Single Line
			UP	DN	
4	Katpadi-Jolarpettai	B	31.72	48.42	..
5	Arakkonam - Tiruttani	B	35.60	21.48	..
6	Tiruttani - Renigunta	B	32.63	19.51	..
7	Jolarpettai - Salem	B	24.06	38.64	..
8	Salem - Erode	B	22.60	29.60	..
9	Erode - Irugur	B	22.50	27.48	..
10	Irugur - Coimbatore - Podanur	B	12.50	12.50	..
11	Irugur - Podanur	B	..	..	24.99
12	Podanur - Palakkad	B	18.48	21.87	..
13	Palakkad - Shoranur	B	18.61	21.77	..
14	Shoranur - Ernakulam	B	20.35	21.92	..
15a	Chennai Beach - Tambaram (EMU)	B	24.39	24.39	..

SI No.	Section	Group	GMT carried during 2014-15 (in million Tonnes)		
			Double Line		Single Line
			UP	DN	
15	Chennai Beach – Tambaram	B	12.23	14.36	..
16	Tambaram – Chengalpattu	B	20.35	22.48	..
17	Chengalpattu – Karunguzhi	B	..	..	26.58
18	Karunguzhi – Melmaruvathur	B	12.23	14.36	..
19	Melmaruvathur – Villupuram	B	12.21	14.34	..
20	Villupuram – Ariyalur	B	..	..	20.26
21	Ariyalur – Valadi	B	10.13	10.13	..
22	Valadi – Tiruchchirappalli	B	..	..	20.26
23	Tiruchchirappalli – Dindigal	B	..	..	14.34
1	Chennai Beach – Velachery	C	7.35	7.35	..
2	Basin Bridge – Washermenpet – Chennai Beach	C	..	.. x	..
1	Erode – Tiruchchirappalli Fort	D	..	..	12.54
2	Shoranur – Kozhikkode	D	13.93	14.81	..
3	Kozhikkode – Kannur	D	13.57	12.70	..
4	Kannur – Mangalore	D	12.34	10.56	..
5	Mangalore – Thokur	D	..	..	7.68
6	Ernakulam – Piravam Road	D	11.38	10.92	..
7	Piravam Road – Chenganur	D	..	..	22.30
8	Chenganur – Kayankulam Jn.	D	11.38	10.92	..
9	Kayankulam – Kollam	D	11.38	10.92	..
10	Kollam – Tiruvananthapuram Central	D	13.30	12.99	..
11	Ernakulam – Alappuzha	D	..	..	15.07
12	Alappuzha – Haripad	D	..	..	12.74
13	Haripad – Kayankulam	D	6.37	6.37	..
14	Villupuram – Mayiladuthurai	D	..	..	9.82
15	Mayiladuthurai – Kumbakonam	D	..	..	12.79
16	Kumbakonam – Thanjavur	D	..	..	12.79
17	Thanjavur – Tiruchchirappalli	D	..	..	12.79
18	Villupuram – Vellore Cantonment	D	..	..	3.80
19	Vellore Cantonment – Katpadi	D	..	..	5.00
20	Karur – Dindigul	D	..	..	10.69
21	Dindigul – Madurai	D	11.90	11.58	..
22	Madurai – Virudunagar	D	..	..	17.32
23	Virudunagar – Vanchi Maniyachchi	D	..	..	17.32
24	Nagarcoil – Tirunelveli	D	..	..	9.92
25	Tiruchchirappalli – Karaikkudi	D	..	..	5.23
26	Karaikkudi – Manamadurai	D	..	..	5.23
27	Madurai – Manamadurai	D	..	..	2.38
28	Manamadurai – Rameswaram	D	..	..	5.08
29	Virudunagar – Tenkasi	D	..	..	3.08
30	Vanchimaniyachchi – Tirunelveli	D	..	..	12.49
31	Tirunelveli – Tiruchendur	D	..	..	2.90

SI No.	Section	Group	GMT carried during 2014-15 (in million Tonnes)		
			Double Line		Single Line
			UP	DN	
1	Walajah Road – Ranipet	E	..	..	..
2	Pattabiram – Pattabiram Military Siding	E	..	..	..
3	Villivakkam – Anna Nagar	E	..	..	..
4	Chengalpattu – Tirumalpur	E	..	..	4.47
5	Tirumalpur – Arakkonam	E	..	..	1.59
6	Salem – Mettur Dam	E	..	..	22.61
7	Salem – Namakkal – Karur	E	..	..	6.52
8	Tiruchi Fort – Tiruchi Jn.	E	..	..	11.64
9	Coimbatore – Mettupalaiyam	E	..	..	2.52
10	Palakkad – Palakkad Town	E	..	..	1.57
11	Shoranur – Nilambur Road	E	..	..	3.48
12	Ernakulam – Kochi Harbour Terminus	E	..	..	..
13	Thrissur – Gurusvayur	E	..	..	4.51
14	Tiruvananthapuram Central – Nagercoil	E	..	..	9.83
15	Nagercoil – Kanniyakumari	E	..	..	9.55
16	Villupuram – Puducherry	E	..	..	4.15
17	Cuddalore Port – Vriddhachalam	E	..	..	2.69
18	Vriddhachalam – Salem Market	E	..	..	3.38
19	Salem Market – Salem	E	..	..	3.38
20	Mayiladuthurai – Tiruvarur	E	..	..	2.91
21	Thanjavur – Tiruvarur	E	..	..	8.97
22	Tiruvarur – Nagore	E	..	..	9.91
23	Nagore – Karaikal	E	..	..	3.00
24	Nagapattinam – Velankanni	E	..	..	0.43
25	Nidamangalam – Mannargudi	E	..	..	2.48
26	Vanchimaniyachchi – Tuticorin	E	..	..	6.04
27	Tirunelveli – Tenkasi	E	..	..	2.05
28	Tenkasi – Sengottai	E	..	..	3.08
29	Dindigul – Palani	E	..	..	2.74
30	Manamadurai – Virudunagar	E	..	..	1.29
31	Punalur – Kollam	E	..	..	1.28

Sl No.	Section	Group	GMT carried during 2014-15 (in million Tonnes)		
			Double Line		Single Line
			UP	DN	
	Metre Gauge				
2	Tiruvarur – Tiruturaipundit	S1	Closed for GC		
3	Tiruturaipundi–Karaikkudi	S1	-Do-		
4	Sengottai–Punalur	S1	-Do-		
1	Pollachi–Podanur	S2	Closed for GC		
2	Pollachi–Palakkad Town	S2	-Do-		
1	Mettupalaiyam–Udagamandalam	S3			0.04
2	Madurai –Bodinayakkānur	S3	Closed for GC		
3	Tiruturaipundi– Agastiyampalli	S3	-Do-		

22(a). Track Modernisation :

As part of Track Modernisation, Southern Railway has been in the forefront in deployment of machines for Track laying as well as for maintenance activities. From the modest beginning made in 1975 with the introduction of 3 Universal Tie Tamping machines and 4 Portal Cranes, the Track Machine fleet has grown over the past four decades with 8 Duomatic Tamping machines, 5 High output capacity CSM tamping machines, 1 High output Express Tamper, 5 Unimat Points & Crossings Tamping Machines, 1 Multi Purpose Tamper, 6 Ballast Cleaning Machines, 2 Shoulder Ballast Cleaning Machines, 5 Ballast Regulating Machines, 8 Dynamic Track Stabilisers, 2 Points & crossing Laying Machines, 1 Track Relaying Train, 8 Utility Track vehicles, thus totaling to 52 Machines.

Tamping of 9366 kms. (worksite & construction including) of track has been done by the High Output tamper and Work Site Tamping machine during 2014-15 in the Shatabdhi and other high speed and high-density routes on the Railway.

Track relaying to the tune of 30.4 Km and Turnout renewal to the tune of 167 Nos. in Open Line by Track Relaying Train and by T-28 respectively were also completed during the year 2014-15.

Deep screening to the tune of 330 kms. of plain track and 45 Nos. of turnout were completed during this year.

TRACK MONITORING:

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

Track Management System (TMS)

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

Indian Railways Projects Sanctions and Management (IRPSM):

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

Para 22(b):-

Progress achieved in the various track improvement works during the year 2014-15 is as follows:-

Ballast collection (lac cum.)	5.60
Ballast Insertion (lac cum.)	5.27
Deep screening (km.)	482.05
USFD (km.)	14955
Greasing ERC (km.)	4086
Anticorrosive painting (km.)	1350
Laying PSC turnouts (sets)	317.00
Destressing (km.)	669.40

23. Stabilisation of Bad banks:

Progress achieved during the year 2014-15 : Nil.

24. Length of Tunnels**Length of Tunnels**

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

Note : Any Tunnel longer than 150m may be considered as Important as per RDSO/Lucknow letter No.CBS/Imp.Br. & Tunnels dt.05.11.1999

Summary Division wise Tunnels

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

25. Details of Lineal Waterways

Gauge	Broad Gauge		Metre Gauge		Narrow Gauge		Total	
Year	2013 - 14	2014-15	2013 - 14	2014-15	2013 - 14	2014-15	2013 - 14	2014-15
Important	22755.17	22755.17	Nil	Nil	Nil	Nil	22755.17	22755.17
Major	45716.49	45716.49	1178.67	1178.67	Nil	Nil	46895.16	46895.16
Minor	33409.17	33409.17	482.24	482.24	Nil	Nil	33891.41	33891.41
Total	101880.83	101880.83	1660.91	1660.91	Nil	Nil	103541.74	103541.74

26. Building Activities

(i) Statement showing number of projects, plinth area, estimated cost and value of work done during 2014-2015.

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 Rs.)	Value of the work done during the period (in lakhs of Rs.)	Value of the work done upto the end of the period (in lakhs of Rs.)
1. Residential building							
A. Family quarters.							
1. In progress ..	..	122	3985.45	3103.32	1212.83	103.99	147.93
2. Completed ..	..	43	4287.58	3805.44	921	96	791.35
1 B. Non-family dwelling barracks Ect.,							
1. In progress ..	..	1	—	—	240	—	—
2. Completed ..	..	—	—	—	—	—	—
2. Industrial building (Factories, Workshops, etc.)							
1. In progress ..	..	2	5280	—	117.20	—	—
2. Completed ..	..	1	473	378	43.07	49.35	49.35
3. Commercial buildings (Ware house, offices etc.)							
1. In progress ..	..	1	450	430	381.36	31	101
2. Completed ..	..	1	—	—	—	—	—
4. Institutional buildings							
1. In progress ..	..	3	—	—	179	—	—
2. Completed ..	..	—	—	—	—	—	—
5. Other buildings (Public Libraries, Amusement building etc.)							
1. In progress ..	..	2	170	160	36	20	20
2. Completed ..	..	1	450	410	39.18	38.83	38.83

(ii) Statement showing number of addition and alterations of projects, plinth area, estimated cost and value of work done during 2014-2015 on Building by construction type and stages of construction.

1.a. Residential building							
1. In progress ..	..	1	390	390	82.21	32.75	77.49
2. Completed ..	..	—	—	—	—	—	—
1 b. Non-family dwelling barracks.							
1. In progress ..	..	..	..	..	..	..	..
2. Completed ..	..	..	..	..	..	..	..

Sl. No.	Construction/Stage	No. of Projects in (Units)	Total Plinth area in sq.m.	Total floor area in sqm.	Estimate cost (in lakhs of Rs.)	Value of the work done during the period (in lakhs of Rs.)	Value of the work done upto the end of the period (in lakhs of Rs.)
2. Industrial building							
1.	In progress -	..	..	..	..	..	..
2.	Completed.	..	..	..	..	..	..
3. Commercial buildings							
1.	In progress	1	127	..	..	16	..
2.	Completed.	..	..	..	..	..	..
4. Institutional buildings							
1.	In progress	..	..	..	..	..	..
2.	Completed..	..	..	..	..	..	..
5. Other buildings							
1.	In progress	2	170	160	36	20	36
2.	Completed.	3	..	140.91	12.50	..	..

iii) Number of dwelling Units/staff quarters (permanent structures) constructed and under construction during 2014-15.

Sl. No.	Division Name	Type I	Type II	Type III	Type IV	Type V	Other
(a)	In Progress	1	696	371	104.21	34.75	77.49
(b)	Completed	99	108	4	2	2	..

27. Land Management

(a) Tree Plantation

Position for the year 2014-2015 is as under :

(in thousands)

(in Hectares)

Name of States.	Total No. of trees surviving as on 1/4/2014	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 31/3/2015
Tamil Nadu	..	..	..	..	..	..
Karnataka	..	..	..	..	..	..
Kerala	..	..	..	..	..	..
Andhra Pradesh	..	..	..	..	..	..
Total	1960.02	129.3	..	2089.32	..	..

No shady trees planted on platform during the year 2014-2015.

(b) Encroachments—Position of Encroachments on Railway Land

(i) The position for the year 2014-2015 is as under :

Total No. of encroachments as on 31-3-2014	Total No. of encroachments			Total No. of cases pending with Estate Officer at the beginning of the year 31/3/2014	No. of cases filed during the year	No. of cases decided during the year	Total No. of cases pending with Estate Officer as on 31/3/2015
	Added	Removed	Total No. of encroachments as on 31/3/2015				
9,104	0	83	9,021	2,429	0	83	2,346

(ii) Special Measurements taken to remove encroachments :

(c) Position of Licensing Agreement : (Nos.) 2014-15

Item	Total No. of cases	Total No. of cases agreements executed
a. G. M. F.	..	..
(i) Railway employees ..	..	79
(ii) Outsiders ..	..	..
b. Commercial plots including vending by Comm. Deptt.	18	12
c. Engineering plots ..	88	87
d. Shopping plots (Engg. Deptt.)	24	21
e. Oil plots ..	53	32
f. Others ..	371	270
Total ..	544	422

(d) Engineering Earnings from land resources (in Thousands of Rs.)

Sl. No.	Description	Actual earnings for last three years			Remarks
		2012-13	2013-14	2014-15	
1.	Licensing of land for G. M. F.	50	40	0	
2.	Sale of Grass rights ..	0.00	0.00	0.00	
3.	Sale of Fruit rights ..	0.00	0.00	0.00	
4.	Sale of Fishery rights ..	0.00	0.00	0.00	
5.	Sale of matured green trees and dry trees.	5206	2607	5360	
6.	Licensing of land for shopping purposes including Tehbazari purposes.	381.00	7.00	137	
7.	Licensing of land for Oil Companies	65080	175834	80682	
8.	Licensing of land for other purposes	683847	360616	292810	
9.	Way leave facilities & easement rights both along road & rail approaches.	79081	866845	750158	
10.	Other Misc. Earnings from Land	637219.00	360000	292810	
Total ..		1470864	1765949	1421957	

(e) Outstanding Dues (In thousand rupees) 2014-2015

Sl. No.	Item	Position as on 31/3/2014	Accretion during the year (+)	Clearance during the year (-)	Balance Outstanding as on 31/3/2015
1.	G. M. F. Scheme ..	..	..	..	..
(a)	Railway Staff ..	..	60	60	0
(b)	Outsiders ..	12.23	0	0	12.23
(c)	State Governments ..	..	..	..	0
2.	Temporary Commercial Licensing ..	3439.00	66894.05	51475.50	18857.55
3.	Outstanding due Oil Companies..	95905.91	2100174.68	235151.50	1960929.09
4.	Outstanding dues from Government Department ..	50786.00	47077.49	3266.26	94597.23
Total ..		150143.14	2214206.22	289953.26	2074396.10

(f) Total Land Area (in Hectares) 2014-2015

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)
26,489.47	..	..	26,489.47	21,569.22	107.4	272.39	107.40	81.32	2,585.57

* Updated position under compilation

28. Civil Engineering Assets

Sl. No.	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 of over and under bridges in mts.				Tonnage of steel girders bridges (Tonnes)	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 (m)	F.O.B.	R.O.B.	R.U.B.	Total (m)					
1	2	3	4	5	6	7	8=(6+7)	9	10	11	12(9+10+11)	13	14	15	16	17
1	2013-14	MAS	357218.00	383899.00	4830.66	4135.20	8965.86	1372.00	780.00	755.00	2807.00	0.00	0.00	77	7	0
	2014-15		357218.00	470665.20	4830.66	4171.20	9001.86	1372.00	940.00	845.00	2807.00	0.00	0.00	77	7	0
2	2013-14	SA	142807.00	121072.00	7210.73	5958.56	13169.39	787.16	1094.00	152.45	2033.61	0.00	0.00	20	5	1
	2014-15		142807.00	121072.00	4554.32	5412.182	11467.372	787.16	1094.00	152.45	2033.61	0.00	0.00	20	5	1
3	2013-14	PGT	108200.36	167130.80	13021.16	1823.11	14844.27	1360.44	1227.48	157.66	2745.58	5509.74	1483	20	1	0
	2014-15		108200.36	167130.80	13710.59	1897.31	16339.42	1710.94	1555.98	176.96	3443.88	7074.00	2086	20	1	0
4	2013-14	TVC	125985.00	102204.00	7386.37	4333.84	0.00	1067.00	1211.00	301.00	2579.00	9580.00	3650.00	12	0	0
	2014-15		125985.00	102204.00	7386.37	4333.84	11720.21	1067.00	1211.00	301.00	2579.00	9580.00	3650.00	12	0	0
5	2013-14	TPJ	240887.45	377024.14	13714.23	5264.42	18978.65	1747.58	180.36	1259.14	3187.08	247.00	17570.20	20	14	5
	2014-15		240887.45	377024.16	14083.81	5361.82	19445.63	1351.39	215.86	2055.49	3622.74	247.00	17570.20	20	14	5
6	2013-14	MDU	199507.62	116626.72	9736.63	0.00	0.00	156.45	165.80	247.50	322.25	38019.00	2662.00	19	11	0
	2014-15		232982.79	166515.50	9736.63	0.00	9736.63	549.16	165.80	247.50	962.46	0.00	0.00	31.00	8	0
	2013-14	CE/CN/ERS	2095.00	225.00	968.68	389.27	1369.95	180.00	445.80	79.50	705.3	1435.00	211.00	0	0	0
	2014-15		537.66	503.81	54.88	103.94	158.82	86.60	259.40	35.00	381.00	432.50	466.615	0	0	0
7	2013-14	CE/CN/MS	1500.00	350.00	25.00	263.00	114.00	0.00	2.00	0.00	202.00	156.13	261.13	0	0	0
	2014-15		301.00	0.00	2719.00	1263.00	3808.00	30.00	153.00	96.13	279.13	0.00	0.00	1.00	0	0
8	2013-14	MTP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
	2014-15		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
9	2013-14	Total	1178200.43	1268531.68	56893.46	30804.51	87535.87	6609.18	5106.440	2952.25	19581.82	54946.87	25837.33	168	38	67
	2014-15		1208919.21	1405115.47	47339.63	22543.292	79601.55	26959.27	5595.04	3813.40	20544.28	17333.50	23772.615	181	35	1

28. Civil Engineering

Plinth area of service buildings (in sqmts.)	Plinth area of residential buildings (in sqmts.)	Linear water way of bridges in metre			Length over and under bridges in metre				Tonnage of steel girder bridges (Tonnes)	Tonnage of steel structures other than girder bridges (Tonnes)	No. of water pumping points (Nos.)	No. of sewage treatment plant (Nos.)	No. of ballast quarries (Nos.)
		6	7	8=(6+7)	9	10	11	12=(9+11)					
4	5	Major	Minor	Total (m)	FOB	ROB	RUB	Total (m)	13	14	15	16	17
1208919.21	1405115.47	47339.63	22543.292	79601.55	26959.27	5595.040	3813.4	20544.28	17333.50	23772.62	181	35	1



V. परिवहन/TRANSPORTATION परिवहन/TRANSPORTATION

HIGHLIGHTS OF FREIGHT PERFORMANCE

1. Originating Revenue Earning Traffic:

- Originating Revenue Earning Traffic during the period 2014-15 was **39.14 MT**.
- Raw materials for steel plant loading recorded **4.069 MT** is the highest ever surpassing the previous best of 3.188 MT done in the last year.
- Loading of POL increased by 6.7 % compared with target & 9.3 % with last year.
- Fertilizer loading for the year 2014-15 is **3.468 MT**, compared to that of the previous year of 3.124 MT, i.e. **11.0 %** improvement.
- Container loading increased by 1.2 % compared with last year.
- The Operating Ratio for the year 2014-15 is **128.98**, the previous year 2013-14 Operating Ratio was 132.18, i.e. **2.4 %** improvement.

2. Originating Revenue Earning Traffic (In Million Tones) for 2014-15 & 2013-14 compared with Board's BE target for 2014-15 are as under :—

(In Million Tonnes)

Commodity	2014-15 BE Boards, (Target)	2013-14 (Actual)	2014-15 (Actual)	% Variation over Target	% Variation over Last year
COAL	23.560	23.509	20.090	-14.7	-14.5
RMSP	3.130	3.188	4.069	30.0	27.6
CEMENT	3.200	3.215	2.700	-15.6	-16.0
FOODGRAINS	2.500	2.007	1.475	-41.0	-26.5
FERTILISER	3.480	3.124	3.468	-0.3	11.0
POL	3.380	3.299	3.607	6.7	9.3
CONTAINER	1.700	1.551	1.569	-7.7	1.2
OTHERS	2.550	5.698	2.159	-15.3	-14.0
TOTAL	43.500	42.403	39.137	-10.0	-7.7

3. Loading: (Daily average in terms of 8 wheelers)

COMMODITY	2013-14	2014-15	% Variation over Last year
COAL	972	831	14.5
RMSP	128	164	28.1
CEMENT	139	116	-16.5
FOODGRAINS	90	66	-26.7
FERTILIZERS	136	151	11.0
POL	172	186	8.1
CONTAINER	144	167	16.0
Others	105	93	-11.4
Total	1886	1774	-5.9

4. The receipt and dispatch position of wagons at Inter-change points are as under. (In 8w Units)

Daily average	2013-14	2014-15	% Variation over Last year
Receipts	1852	1844	-0.4
Despatch	1856	1853	-0.2

5. The daily average TU releases (In 8w Units)

2013-14	2014-15	decrease by
2048	2038	-0.5 %

6. The following Indices are improvement during 2014-15 compared to 2013-14 :

	2013-14	2014-15	% Var over Last year
Originating Lead in Km	433	459	6.0
Originating Goods Earnings	2744.32	2925.81	6.6
Apportioned Goods Earnings	2797.28	3045.72	8.9
Loaded Receipts in 8W(Dly.Avg)	1252	1281	2.3
All wagon Holding in 8W (Dly.Avg)	10049	8247	-17.9
Diesel Loco Holding (Dly.Avg)	75	64	-14.7
AC. Loco Holding (Dly.Avg)	95	89	-6.3
WTR-All wagons (in days)	2.71	2.35	-13.3
NTKM / Wagon day	4960	6388	28.8
Wagon Km / Wagon day	146.0	184.0	26.0
NTKM / Engine Hrs	16433	17303	5.3
Terminal Detention (in hh:mm) - Loading	16:16	14:48	-9.0
Terminal Detention (in hh:mm) - Un Loading	22:50	19:01	-16.7

7. Clearance of Traffic from Ports: (April-2014 to March-2015)

There are six major ports in Southern Railway Viz, Chennai Harbour (HOM), Kamarajar Ennore Port (AIPO&AIPS), New Mangalore Port (NMPT), V.O.Chidambaram Tuticorin Port (VOC TNHP), and Cochin Harbour (CHTS) and Karaikal Port (KIKP).

The traffic originated from various ports during 2014-15 compared to previous year 2013-14 are:

(In Million Tonnes)

Port-wise Loading for the year 2014-15 compared with last year

Name of Port	Year	Coal	Dolo	Fert	Cont	Lime Stone	Gyp sum	Others	Total	% Vari over last year
HOM	14-15	0	1.02	0.17	0.58	3.01	0	0.09	4.87	4.7
	13-14	0	1.01	0.09	0.63	2.87	0	0.05	4.65	
ENR	14-15	8.45							8.45	22.8
	13-14	10.94							10.94	
KIKP	14-15	2.25		0.44				0.44	3.13	25.3
	13-14	3.28		0.40				0.51	4.19	
TNHP	14-15	0.67		0.26		0.05	0.01	0	0.99	70.7
	13-14	0.22		0.25		0.07	0.02	0.02	0.58	
NMPT	14-15	6.01		0.44	0.02		0.32	0.25	7.04	0.9
	13-14	6.36		0.30	0.03		0.29	0	6.98	
CHTS	14-15	0.10			0.10			0.20	0.20	300
	13-14	0			0.04			0.01	0.05	
TOTAL	14-15	17.48	1.02	1.31	0.70	3.06	0.33	0.78	24.68	-9.9
	13-14	20.80	1.01	1.04	0.70	2.94	0.31	0.59	27.39	

2. INTRODUCTION OF TRAINS

In Order to meet the increasing requirements of train services, the following new trains were introduced from S. Rly. during 2014-15. (from 01-04-2014 to 31-03-2015).

Sl. No.	T. No.	Description	Date of introduction
1	56033/56034	Mannargudi-Mayiladuthurai(Daily) Passenger	13-05-14
2	16354/16353	Nagercoil-Kachegude Weekly Express.	20-05-14
3	56715/56716	Punalur-Kanniyakumari daily Passenger	01-09-14
4	11073/11074	Lokmaniya Tilak (T) -Chennai Central Weekly Superfast Express.	15-12-14
5	22801/22802	Visakhapatnam -Chennai Central Weekly Superfast Express.	18-01-15
6	12528/12527	Kamakhyia-Chennai Central AC (Weekly) Premium Express	18-01-15
7	22353/22354	Patna-Bangalore-Patna(W)Premium SFExpress	01-02-15
8	22504/22503	Kamakhyia-Bangalore Cantt. Premium Express	29-01-15
9	19420/19419	Ahmedabad-Chennai Central biweekly Express.	31-01-15
10	56665/56666	Kasaragod-Mookambika Road Byndoor-Kasaragod (Daily) Passenger	09-02-15
11	56035/56036	Tiruchendur-Tirunelveli-(Daily) Passenger	09-02-15
12	16864/16863	Mannargudi-Bhagat-ki-kothi (Jodhpur) Weekly Express.	09-02-15
13	22655/22656	Thiruvananthapuram-H.Nizamuddin Thiruvananthapuram Weekly Superfast Express(via Alappuzha).	11-02-15
14	22653/22654	Thiruvananthapuram-H.Nizamuddin Thiruvananthapuram Weekly Superfast Express(via Kottayam).	14-02-15

EXTENSION OF TRAINS 2014-2015:- NIL

INCREASE IN FREQUENCY 2014-2015:- NIL

2. TRAINS INTRODUCED ON GAUGE CONVERTED SECTIONS:-

Palani -Pollachi Gauge converted Section was opened for Passenger traffic w.e.f 09.01.2015 and following Specials are running on the section.

No.02651/02652 PLNI-POY-PLNI Exp. Spl.

No. 06710/06709 PLNI-POY -PLNI Passr. Spl

No. 06770/06769 PLNI-POY -PLNI Passr. Spl

3. CONVERSION INTO SUPER FAST TRAINS :-

Following Mail/Express trains were converted to Super Fast Express in the New Time Table 2014-2015 edition and consequently the train numbers were changed with effect from the dates mentioned against each train as under:-

Sl. No.	Old Train No.	Description	New Train Number	W.E.F
1	16627	MAS - MAQ West Coast Exp.	22637	13.7.14
2	16628	MAQ-MAS West Coast Exp.	22638	13.7.14
3	16041	MAS -ALLP Exp.	22639	13.7.14
4	16042	ALLP-MAS Exp.	22640	13.7.14
5	6323	TVC-SHM Exp.	22641	12.7.14
6	16324	SHM-TVC Exp.	22642	13.7.14
7	16309	ERS-PNBE Exp.	22643	14.7.14
8	16310	PNBE-ERSE Exp.	22644	17.7.14
9	16325	INDB-TVC Exp.	22645	14.7.14
10	16326	TVC-INDB Exp.	22646	12.7.14
11	16327	KRBA-TVC Exp.	22647	16.7.14
12	16328	TVC-KRBA Exp.	22648	14.7.14
13	16669	MAS-ED Yercaud Exp.	22649	13.7.14
14	16670	ED-MAS Yercaud Exp.	22650	13.7.14
15	16001	MAS-PLNI Exp.	22651	13.7.14
16	16002	PLNI-MAS Exp.	22652	13.7.14

4. MEMU SERVICES INTRODUCED DURING 2014-2015:-

66047/66048 Chennai Central-Tirupati MEMU was introduced on 22.03.14 and the same was temporarily Cancelled on 25.03.14. The same was re introduced with effect from 15.01.15.

5. TRAINS DIVERTED:-

T.No. 12623/12624 MAS-TVC-MAS Mails and T.No. 16527/16528 YPR-CAN-YPR Expresses were diverted via Coimbatore with effect from 01.07.2014.

6. CANCELLATION OF TRAINS:- NIL**7. SPEEDING UP OF MAIL/EXPRESS TRAINS :-7.**

Sl. No.	Train No. & Description	Speeded Up by
1.	17236 Nagercoil-Bangalore Express	160 mts
2.	16382 Kanniyakumari-Mumbai CST	80 mts
3.	16526 Kanniyakumari-Bangalore Exp	70 mts
4.	22632 Bikaner-Chennai Central Express	60 mts
5.	16733 Rameswaram-Okha weekly Express	45 mts
6.	11043 Lokmaniya Tilak (T)-Madurai weekly Express	40 mts
7.	16231 Mayiladuthurai -Mysore Express	30 mts
8.	16022 Mysore-Chennai Central Express	25 mts
9.	16855 Puducherry-Mangalore Express	20 mts
10.	17313 Chennai Central-Hubli Express	20 mts
11.	22851 Satragachi-Mangalore Express	20 mts
12.	12651 Madurai-H. Nizamuddin Sampark Kranti Bi- Weekly Exp	20 mts

Sl. No.	Train No. & Description	Speeded Up by
13.	12521 Barueni –Ernakulam Raptisagar Express	15 mts
14.	12682 Coimbatore-Chennai Central Weekly Express	15 mts
15.	16232 Mysore-Mayiladuthurai Express	15 mts
16.	16381 Chatrapathi Sivaji Terminal – Kanniyakumari Express	15 mts
17.	22634 Thiruvananthapuram-Hazrat Nizamuddin Super fast Weekly Express	15 mts
18.	22682 Chennai Central-Mysore Express	15 mts
19.	22852 Mangalore- Satragachi Express	15 mts
20.	12084 Coimbatore-Mayiaduthurai Jan Shatabdhi Express	10 mts
21.	12663 Howrah-Tiruchchirappalli Bi-Weekly Express	10 mts
22.	16125 Chennai-Egmore-Jodhpur Weekly Express	10 mts
23.	16235 Tuticorin-Mysore Express	10 mts
24.	16317 Kanniyakumari-Jammu Tawai Himsagar Weekly Express	10 mts
25.	16318 Jammu Tawai- Kanniyakumari- Himsagar Weekly Express	10 mts
26.	17606 Kacheguda-Mangalore Bi-Weekly Express	10 mts
27.	22113 Lokmanya Tilak Terminal -Kochuveli Bi Weekly Express	10 mts
28.	22815 Bilaspur-Ernakulam Weekly Express	10 mts
29.	11042 Chennai Central- Mumbai CST Terminal	10 mts
30.	12674 Coimbatore-Chennai Cheran Exp	10 mts
31.	16024 Tirupathy-Chennai Central Exp	10 mts

8. PUNCTUALITY PERCENTAGE OF PASSENGER CARRYING TRAINS (GAUGE WISE) NLT BASIS

	Broad Gauge				Metre Gauge			
	Target	2013-14	Target	2014-15	Target	2013-14	Target	2014-15
Mail/Exp.	95.0	94.0	95.0	92.5	-	-	-	-
Passenger	95.0	86.6	95.0	86.0	95.0	99.3	95.0	99.0
Suburban	95.0	83.1	95.0	77.7	-	-	-	-

	Broad Gauge (Mail/Exp.)	
	2013-14	2014-15
No. of trains run	92964	97456
No. of trains not losing	87430	90185
No. of trains losing	5534	7271
Percentage	94.0	92.5

Right Time Basis

	Broad Gauge (Mail/Exp.)	
	2013-14	2014-15
Mail/Exp.	92.4	90.4

9. PASSENGER OPERATIONS—PERFORMANCE HIGHLIGHTS

1. Special Trains run - 1105
2. Allotment of Special Trains on Full Tariff Rate (FTR)
3. Film Shooting FTR/Village on Wheels 3 222
4. Allotment of coaches on FTR
Total No. of coaches - 85
5. Military Special Run:-
6. No. of Military Specials - 3
7. No. of Empty Military Specials - Nil
8. Alarm Chain Pulling:-

Division	MAS	PGT	TVC	TPJ	MDU	SA	Total
Total No. of cases	457	271	512	207	234	158	1839
Unjustified	193	167	471	0	0	0	831

9. Introduction/Change in the pattern of through and sectional Coaches - NIL
10. Overseas Traffic - NIL
11. A Total of 96 coaches were augmented (38 ACCN, 2 FCWAC, 24 GSCN, 15 GSCZ, 8 GS) by 43 pairs of Express trains and 5 pairs of passenger Trains on permanent basis.
12. During April-2014 to March-2015 9293 coaches were attached as extra to clear wait listed passengers based on day to day demand.
13. To clear extra rush 1105 Specials trains, (including Summer & Winter Specials) were run during April-2014 to March-2015.

3. VOLUME OF TRAFFIC HANDLED AND TRANSPORTATION OUT PUT.

(Figures in thousands)

Sl. No	Description	2014-2015	2013-2014
(a)	No. Passenger Carried (System)..	875132	857271
(b)	Passenger Kms.	83730243	82480856
(c)	Passenger train Kms. * Excl. Deptl. (incl. MEMU, DEMU, EMU)	64894	62550
(d)	Total Coaching Vehicle Kms.	1963016	1879810
(e)	Total freight tonne Kms.	18428661	18031661
(f)	Goods train Kms. Excluding Departmental.	11285	10781
(g)	Total Wagon Kms. Excluding Dept. & Brake-van.	53118	507547
(h)	Total train Kms. (Excl. Deptl.) * (incl. Pass & Goods and also MEMU, DEMU, EMU).	76179	73332
(i)	Total Engine Kms.	79563	75985
(j)	Total Gross Tonne Kms. (incl. weight of Engine & Deptl.) and incl. coaching, goods EMU MEMU DEMU).	96765004	93166063

(*) 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.

4. OPERATING EFFICIENCY

The important efficiency statistics are given below :-

Sl. No.	Description	Broad Gauge		Metre Gauge	
		2014-15	2013-14	2014-15	2013-14
I	Wagon Kms. Per wagon day on line (in terms of eight wheelers)	184.05	145.95	0	0
II	Coaching vehicle Kms. Per Vehicle day :				
	(a) Passenger	555.2	565.79	34.92	
	(b) Other Coaching	423.4	447.3	0	0
III	Percentage of loaded to total Wagon Kms.	59	58	0	0
IV	Speed of all Goods trains (Kms. Per hour)	27.4	29.0	0	0
V	Average starting wagon load (Tonnes)	61.8	62.0	0	0
VI	Loads of Goods trains (Tonnes)				
	(a) Net or freight load	1631	1670	0	0
	(b) Gross load (incl. Weight of engine)	3001	3048	0	0
	(c) Gross load (Excl. Weight of engine)	2817	2862	0	0
VII	Net tonne km. Per wagon day on line	6377	5178	0	0
VIII	Net tonne km. Per locomotive day in use	175552	182834	0	0
IX	Net tonne Km. per engine hour	17250	17282	0	0
X	Gross tonne Km. Per engine hour	77121	76706	0	0

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

5. 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	2011-12	2012-13	2013-14	2014-15
1	Coal				
	(i) Coal for Railway use ..	0.00	0.00	0.00	0.00
	(ii) Coal for Steel Plant ..	1.33	2.06	0.67	2.23
	(iii) Coal for other use ..	17.41	18.12	22.84	17.86
	(iv) Total Coal ..	18.74	20.18	23.51	20.09
2	Raw materials for steel plants (Other than coal).	2.79	3.13	3.19	3.3
3	Finished products from steel plants.	0.00	0.00	0.00	0.00
4	Cement ..	3.98	2.83	3.21	2.7
5	Export Ores:				
	(i) Iron Ores ..	0.00	0.00	0.00	0.00
	(ii) Manganese Ore ..	0.00	0.00	0.00	0.00
6	Miscellaneous Goods :				
	(i) Railway Materials ..	0.44	0.26	0.35	0.32
	(ii) Foodgrains ..	1.95	1.50	2.01	1.48
	(iii). Mineral Oils ..	2.99	3.18	3.30	3.46
	(iv) Fertilizers ..	4.77	3.27	3.12	3.47
	(v) Other Goods ..	4.07	3.80	3.95	4.55
	(vi) Total Misc. Goods ..	14.22	12.01	12.73	13.28
7	Total All Traffic (Revenue & Non-Revenue) ..	39.73	38.15	42.64	39.37

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	
		2014-15	2013-14	2014-15	2013-14
(a)	No. of wagons owned	7907	9379	0	0
(b)	Inter-change debit/credit balance	n/a	n/a	n/a	n/a
(c)	Average wagon holding (in terms of 8 wheelers)	7904	9527	0	0
(d)	No. of wagons loaded :				
	i. Originating	1788	1888	0	0
	ii. Transhipment	0	0	0	0
	iii. Repacked	0	0	0	0
	iv. Coaching traffic	0	0	0	0
	v. Total loading	1788	1888	0	0
(e)	No. of loaded wagons received daily from other Rlys.	1292	12522	0	0
(f)	Turn round of wagons (on line)	2.32	2.71	0	0

Note :-* All Wagon related items are in terms of 8 wheelers.n/a-not available

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

Gauge	2014-15	2013-14	Percentage variation over previous year
Broad	9,535	9,623	-0.91
Metre	0	0	0.00
Total	9,535	9,623	-0.91

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

Gauge	2014-15	2013-14	Percentage variation over previous year
Broad	7,904	9,527	-17.04
Metre	0	0	0.00

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

Gauge	2014-15	2013-14	Percentage variation over previous year
Broad	6,88,972	6,13,651	12.27
Metre	0	0	0.00

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

Gauge	2014-15	2013-14	Percentage variation over previous year
Broad	6,52,611	4,57,159	42.75
Metre	0	0	—

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

Gauge	2014-15	2013-14	Percentage variation over previous year
Broad	6.95	8.24	-15.66
Metre	0	0	—

8. STATEMENT OF NET TONNEKMS. (CARRIED BASIS)

(Figures in Millions)

Particulars	2014-2015	2013-2014
I. Coal		
(i) Coal for Railway Use ..	0	00
(ii) Coal for Steel Plants ..	369.86	37.64
(iii) Coal for Other Use ..	4,597.42	5,302.39
(iv) Total Coal ..	4,967.28	5,340.03
II. Raw Materials for Steel Plants (Other than Coal).	778.18	455.37
III. Finished products from Steel Plants	721.37	605.80
IV. Cement ..	2,804.97	3,018.66
V. Export Ore		
(i) Iron Ore ..	0	0
(ii) Manganese Ores ..	0	0
VI. Miscellaneous Goods		
(i) Railway Material ..	40.55	45.17
(ii) Foodgrains ..	4,084.31	4,063.94
(iii) Mineral Oil ..	1,211.53	1,161.68
(iv) Fertilizer ..	1,546.78	1,395.15
(v) Other Goods ..	2,273.69	1,945.86
(vi) Total Misc. Goods ..	9,156.86	8,611.80
(vii) Total all traffic ..	18,428.66	18,031.66

9. ENGINE USAGE

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

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

(Figures in thousands)

Particulars	Current Year 2014-15	Previous Year 2013-14	% variation over previous year
(a) Passenger			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	30,273	29,827	-1.47
Dsl. Hyd. ..	0	0	00
Elec. ..	48,622	42,089	-13.44
Total ..	78,895	71,916	-8.85
M. G. Steam ..	19	19	0.00
Dsl. Elec. ..	55	55	0.00
Dsl. Hyd. ..	0	0	0.00
Elec. ..	0	0	0.00
Total ..	74	74	0.00
(b) Goods			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	9,191	7,973	-13.25
Dsl. Hyd. ..	0	0	0.00
Elec. ..	20,399	17,459	-14.41
Total ..	29,590	25,432	-14.05
M. G. Steam ..	0	0	0
Dsl. Elec. ..	0	0	0.00
Dsl. Hyd. ..	0	0	0
Elec. ..	0	0	0
Total ..	0	0	0.00
(c) Mixed			
B. G. Steam ..	0	0	0
Dsl. Elec. ..	0	0	0
Dsl. Hyd. ..	0	0	0
Elec. ..	0	0	0
Total ..	0	0	0
M. G. Steam ..	0	0	0
Dsl. Elec. ..	0	0	0
Dsl. Hyd. ..	0	0	0
Elec. ..	0	0	0
Total ..	0	0	0

(Figures in thousands)

Particulars	Current Year 2013-14	Previous Year 2012-13	% variation over previous year
(a) Passenger			
(d) Total EKMs incl. Deptl.			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	45,750	43,530	-4.85
Dsl. Hyd. ..	86	213	147.67
Elec. ..	69,826	60,535	-13.31
Total ..	1,15,662	1,04,278	-9.84
M. G. Steam ..	25	24	-4.00
Dsl. Elec. ..	59	61	3.39
Dsl. Hyd. ..	0	0	0.00
Elec. ..	0	0	0.00
Total ..	84	85	1.19
II. Engine Kms. per day per engine in use :			
(a) Passenger Service			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	542	538	-0.74
Dsl. Hyd. ..	0	0	0.00
Elec. ..	733	679	-7.37
Combined ..	@	@	..
M. G. Steam ..	29	29	0.00
Dsl. Elec. ..	47	44	-6.38
Dsl. Hyd. ..	0	0	0.00
Elec. ..	0	0	0.00
Combined ..	@	@	..
(b) Goods Service			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	291	290	-0.34
Dsl. Hyd. ..	0	0	0.00
Elec. ..	401	350	-12.72
Combined ..	@	@	..
M. G. Steam ..	0	0	0.00
Dsl. Elec. ..	0	0	0.00
Dsl. Hyd. ..	0	0	0.00
Elec. ..	0	0	0.00
Combined ..	@	@	..

III. Engine Kms. per day per engine on line (All services)

(Figures in thousands)

Particulars	Current Year 2014-15	Previous Year 2013-14	% variation over previous year
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	355	349	1.72
Dsl. Hyd. ..	40	48	-16.67
Elec. ..	445	412	8.01
Combined ..	@	@	..
M. G. Steam ..	6	6	0.00
Dsl. Elec. ..	33	33	0.00
Dsl. Hyd. ..	0	0	0.00
Elec. ..	0	0	0.00
Combined ..	@	@	..

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

10. PUNCTUALITY OF PASSENGER TRAINS

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

	Particulars	2014-15	2013-14
B.G.	Mail & Express	90.4	92.4
	Passenger	86.0	86.5
	Suburban (EMU)	77.4	83.8
M.G.	Mail & Express	0.0	0.0
	Passenger	99.0	99.3
	Suburban (EMU)	0.0	0.0

11. GOODS EARNINGS UNDER IMPORTANT HEADS DURING 2014-2015.

Sl. No.	Particulars	Tonnes Carried (in millions)		Earnings (in lakhs of ₹)	
		2013-14	2014-15	2013-14	2014-15
	Revenue Earnings Traffic				
1.	Products of Agriculture	12.567	12.235	54,479.75	57,025.03
2.	Animals & Products of animals.	..	..	..	..
3.	Products of mines	30.920	28.985	1,02,537.06	1,14,963.35
4.	Mineral oil	4.361	4.525	22,766.51	25,059.04
5.	Products of Forests	0.201	0.289	634.29	1,133.47
6.	Manufactures	14.841	15.216	59,614.70	63,965.54
7.	Others	8.751	9.111	29,666.60	34,347.43
8.	Total Revenue Traffic				
	Excel Misc. Goods Earnings.	71.641	70.361	2,69,698.91	2,96,493.86
9.	Non-Revenue Traffic				
	Railway Coal				
	a. For home line	..	..	..	..
	b. For other Govt. Railways.	..	..	..	..
	c. Diesel oil booked by Companies for Rlys.	..	..	..	..
10.	General Stores & Materials for Railway.				
	a. For home line (1001+1004).	0.240	0.236	..	..
	b. For other Govt. Railways.	..	..	..	..
11.	Total Non-Revenue traffic.	0.240	0.236	..	..
12.	Grand Total	71.881	70.597	2,69,698.91	2,96,493.86

12. WATERSUPPLY

Sl. No.	Division	Name of Work	Estimate cost ₹ in lakhs.
I. Works completed			
a Works costing more than ₹ 5 lakhs each			
1.	MAS	TBMU.G.Sump	35.23
2.	SA	..	Nil
3.	PTJ	..	Nil
4.	TVC	..	Nil
5.	TPJ	..	Nil
6.	MDU	..	Nil
7.	CE/CNERS	..	Nil
8.	CE/CNMS	..	Nil
9.	MTP	..	Nil
b) Works costing less than ₹ 5 lakhs each			
1.	MAS	..	Nil
2.	SA	..	Nil
3.	PGT	..	Nil
4.	TVC	..	Nil
5.	TPJ	..	Nil
6.	MDU	SSE/W/MDU-RO Plant	3.00
		SSE/W/SCT : 1 PBKS Str. : Repairs to water pipe line at PF 2 PBKS station.	2.00
		SSE/W/DG 1.ABI provision of Borewell at ABI Colony.	0.70
		2. PLNI Provision of Borewell at PLNI.	0.58
7.	CE/CNERS	..	Nil
8.	CE/CNERS	..	Nil
9.	MTP	..	Nil
II. Works in Progress			
(a) Works costing more than ₹ 5 lakhs each			
1.	MAS	Borewell at PER, PWQ, MRTS & JTJ	203.57
		Chlorinators at SPE, Bldg. South west section.	793.40
		Hydrants at MAS & MS	246.66
		Improvement to GLR PER & RH/PER	87.85
			183.40
2.	SA	..	Nil
3.	PGT	Replacement of corroded pumping main and distribution line in Railway colony.	168.00
4.	TVC	Ernakulam coaching complex-Watering arrangements by laying 200mm dia pipe from Muvatupuzha river near Piravam Road station	895.00
		CGV, ETM, TRVL-Improvements to water supply arrangements.	24.00
		ALLP-Repairs to water hydrants.	9.33
5.	TPJ	GOC-Provision of borewells, construction of GLR and overhead tank for RH/GOC and DSL Shed/GOC.	162.00
6.	MDU	SSE/W/MDU Peak summer arrangements.	37.00
		SSE/W/SCT 1. PUU-QLN BG Section. Left over works such as watering arrangements between KLQ- PUU Stations provisions of pump room in KKZ-AVS stations tec., in connection with BG conversion in between PUU-QLN stations.	48.25

Sl. No.	Division	Name of Work	Estimate cost ₹ in lakhs.
7.	CE/CNERS	..	Nil
8.	CE/CNMS	..	Nil
9.	MTP	..	Nil

(b) Works costing less than ₹ 5 lakhs each

1.	MAS	..	Nil
2.	SA	..	Nil
3.	PGT	..	Nil
4.	TVC	..	Nil
5.	TPJ	..	Nil
6.	MDU	SSE/W/DG-MPA : Provision of pump room in and Provision of GLR. Pump room(RVNL funds).	27.50
		SSE/W/SCT : PBKS Stn. :Repairs PF sink in PF No. 2 at PBKS station.	0.7
		PBKS Stn. :Repairs to pipe line in LC No. 485 and PBKS station	1.4
		KKZ Stn. :Repairs Water cooler at KKZ station	0.5
		PUU Stn. :Repairs Water cooler at PUU station	0.5
7.	CE/CNERS	..	Nil
8.	CE/CNERS	..	Nil
9.	MTP	..	Nil

13. ACTION TAKEN TO MAINTAIN CLEANLINESS AT STATION PREMISES.

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

Comprehensive cleaning contracts, inclusive of mechanized cleaning of stations/tracks, rag picking and garbage disposals have been awarded at 64 A1, A & B Category stations by Medical Department. Contracts will be awarded at remaining stations in a phased manner.

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

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

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

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

As per instructions contained in Commercial Circular No.47 of 2014 Divisions have also been instructed to consider the option of outsourcing the cleaning work of D and E category stations in addition to the existing arrangement at D and E category stations.

In terms of Commercial No.51 of 2014, three A1 category stations Chennai Central, Chennai Egmore and Thiruvananthapuram Central Stations have been identified for integrated cleanliness contract.

Further, in accordance with the instructions maintained in the Commercial Circular No.76 of 2012 relating to Indian Railway (Penalties for activities affecting cleanliness at railway premises) Rules,2012, (Gazette Notification GSR 846 (E) dated 26-11-2012, fines are being collected from those indulging in activities affecting the cleanliness and hygiene of railway premises. An amount of Rs. 13,84,300/- has been realized from 6426 cases upto April 2015 (from December 2012).

GMR—8A

Under "Swachch Bharat Mission"- Action Plan-has been drawn focusing on vital aspects such as Tree Plantation, removal of encroachments, maintaining clean toilets at stations, painting of road kerbs, cleaning posters, repairing street lights, improving drainage, improving signage, whitewashing of buildings, etc., In this regard, Special Drives are conducted every month. Public Awareness campaigns are organized with the assistance of NGOs, Scouts & Guides Civic bodies, Students from Schools/Colleges to create awareness among the travelling public. Display through CCTV is also being done regarding Penal Provisions under Indian Railways (Penalties for activities affecting cleanliness at Railway Premises) Rules,2012. The Cleaning activities are also monitored through ISS CCTVs at important Stations.

14. SPECIFIC FUEL CONSUMPTION

Specific Fuel Consumption—Brief Remarks for the variation—Period : April 2014 to March 2015 compared with April 2013 to March 2014.

Service	Apr. 13 to Mar. 14	Apr. 14 to Mar. 15	Variation	Remarks
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Broad Gauge Steam Traction	No service			
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METRE GAUGE—STEAM TRACTION

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

DIESEL TRACTION—BROAD GAUGE

Pass. and prop of Mixed. GTKM	4.10	4.19	(+) 0.09	GM/ST is not up date the oter zones Correctly.
Goods and prop. of Mixed.	2.11	2.18	(-) 0.07	GM/ST is not up date the oter zones GTKM Correctly and Reduced in Audited GTKM.

DIESEL TRACTION—METRE GAUGE

Pass. and prop of Mixed.	29.24	29.38	(+) 00.14	NM Railway Heritage Passenger Services only.
Goods and prop. mixed.	Nil	Nil	Nil	

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

SOUTHERN RAILWAY

15. STATEMENT No. 26(a)

SHED WISE AND FIELD WISE COAL SUPPLIED (IN TONNES) FOR 2014-2015

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

NO NEW PURCHASE OF COAL FOR THE YEAR 2014-2015

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

Kind of Coal	Loco-Purposes		Non-Loco Purposes		Total	
	Apr.-13	Apr.-14	Apr.-13	Apr.-14	Apr.-13	Apr.-14
	to Mar-14	to Mar-15	to Mar-14	to Mar-15	to Mar-14	to Mar-15
Grade "A"	21	32	—	—	21	32
Grade "B"	0	0	—	—	0	0
Grade "C"	—	—	—	—	—	—
Grade "D"	—	—	—	—	—	—
Non Graded	—	—	—	—	—	—
Wood (in terms of Coal)	—	—	—	—	—	—
Salvage	—	—	—	—	—	—
Coke (in terms of Coal)	—	—	207	163	207	163
Total	21	32	207	163	228	185

16. FUELECONOMY CAMPAIGN**General**

1. Introduction of DEMUs in place of conventional rakes wherever load is less.
2. Monitoring of CTRs and shunting vouchers dispatch from crew booking points to GM/ST for correct account of Service wise performance and shunting.
3. Precise allocation and account of fuel issues to different services e.g. Passenger, goods, department and shunting etc.

Action by Division

1. Periodical checking of fuel installations for quality and accountability.
2. Shutting down of diesel locos when detained for more than 30 minutes and ensured by divisional Power Control.
3. Identifying Loco Pilots consuming more fuel than normal and their intensive Monitoring by Loco Inspectors.
4. Loco pilots to be categorized based on fuel efficiency/driving efficiency and loco pilots who are Poor on both to be sent for training on simulators at DTTC/GOC.
5. Rear loco should be switched off when it is not required to haul the train.

Action by Diesel Sheds

1. Identifying locos of high SFC (during load box test) and taking immediate action to reduce the fuel consumption.
2. Instructed the each shed to collect every month one zone's EKM & GTKM and issues and communicate to other sheds. (SCR by GOC, SWR by TNP and CR, KRCL by ED) for correct account purpose.

17. INPUT/OUTPUT RATIO

Particulars	2014-2015	2013-2014	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.	452.4	472.8	-4.32
(ii) Wagon holdings in terms of 8-wheelers.	7904	9527	-17.04
(iii) Additional capital investments on line capacity & terminal capacity (₹ in lakhs).	N/A	N/A	N/A
2. OUTPUT			
(i) GTKMs. incl. Wt. of Engines (in lakhs) on ownership basis as per train documents Goods & prop. of mixed.	6,015.33	5,128.75	17.29
(ii) NTKMs. (in lakhs) on ownership basis as per train documents Goods & prop. of mixed.	3,23,489	2,536.25	27.55
(iii) Average daily loading incl. Transshipment at BG, MG & NG (Revenue & Non-Revenue).	1,788	1,888	-5.30
Average daily loaded receipts.	1,292	1,252	3.19
Total loading and loaded receipts.	3,080	3,140	-1.91
AVERAGE			
Wagon Kms. Per wagon day on line.			
BROAD GAUGE	184.1	145.95	26.10
METRE GAUGE	0.00	0.00	0.00

NOTE : 2 OUTPUT Columns (i) & (ii) Provisional Figures

VI. वाणिज्य/COMMERCIAL

1. Revision of Passenger Fares :

Based on the commercial Circular No.20 of 2014 dated 16.05.2014, the Advance rates notification for Rate Advice No.05 of 2014 (coaching No.12 /2014) has been issued. With effect from 25.06.2014 the following changes are made in the passenger fares. The revised passenger fare table published by IRCA effective from 25.6.2014 for the reserved segment and from 28.6.14 for the unreserved segment. The detailed provisions of the rate increase are as under:-

1. **Passenger Fare:** There will be flat 10% increase in the fare of all Classes of all categories of trains including passenger trains. There will be no increase up to minimum distance for charge.
2. Apart from above, there shall also be Fuel Adjustment Component (FAC) linked revision in the passenger fare as announced in the Railways Budget 2013-14.

The FAC linked revision is applicable to all distance slabs including those which fall within the minimum chargeable distance.

3. Season Ticket Fare:

- (i) Second Class Monthly Season Tickets (MST) fares of Suburban and Non-suburban will be charged on the basis of 30 single journeys instead of approximately 15 single journeys. Fares of First Class Monthly Season Tickets will be charged @ 4 times the Second Class Monthly Season Tickets (MST) Fares as is done presently. Revised fare shall also be applicable as per the existing method of computation on Quarterly Season Tickets (QST), Half Yearly Season Tickets (HST) and Yearly Season Tickets (YST) etc. These revisions have been shown in the Season Ticket Fare Tables. The fares of Vendor season ticket will also be increased as per the above principle.
4. **Other Charges:** There will be no change in charges for reservation fee, superfast surcharge etc. Such charges, wherever applicable, will continue to be levied additionally as per existing instructions.
5. The changes in fares as above shall come into force w.e.f 25.06.2014.
6. Service tax will continue to be levied as applicable as per instructions issued in this regard.

Collection of difference in fares:-

Based on the commercial circular No. 27 of 2014 dated 24.06.2014 the Advance rates notification for Rate Advice No.06 of 2014 (coaching No. 18/ 2014) has been issued. The collection of difference in fares and other charges will not be applicable in the following cases:-

- (i) Premium Special Trains.
- (ii) Monthly Season Tickets (MST), Quarterly Season Tickets (QST), Half Yearly Season Tickets (HST) and Yearly season Tickets (YST), Vendor Season Tickets (VST) etc.

Charging of Season ticket fares:-

Based on the commercial circular No.28 of 2014 dated 25.06.2014 the Advance rates notification for Rate Advice No.06 of 2014 (coaching No. 19& 21/ 2014) has been issued. The First and second class monthly season tickets for both Suburban & Non-Suburban will now be charged at 14.2% over the existing rates rounded off as per extant instructions.

There will be no increase in second class suburban ordinary fare upto 80 kms. There will be no changes in the methodology of levy of Superfast surcharge etc on season tickets. Other terms and conditions will remain same.

Service Tax:-

Based on the commercial circular No.25 of 2014 dated 11.06.2014 the Advance rates notification for Rate Advice No.06 of 2014 (coaching No. 17/ 2014) has been issued. Service tax should be levied on charges of Rs.750/- for verification of journey details on each PNR.

Revision of Platform Ticket Rates:-

Based on the commercial circular No. 17 of 2015 dated 16.03.2015 the Advance rates notification for Rate Advice No. 03 of 2015 (coaching No. 10/ 2015) has been issued. With effect from 01.04.2015 the rate of platform ticket from Rs.5/- to Rs.10/- per ticket has been revised.

The power is delegated to Divisional Railway Managers to increase the rate of platform tickets beyond Rs.10/- to regulate rush at platforms during specific requirements like Mela, Rally, etc., under intimation to the headquarters.

Revision of rates for Goods Traffic :-

I. The freight rates have been revised with effect from 25-06-2014 with the following changes :-

- (a) Short lead concession in charging freight for all traffic booked up to 100 kms. has been withdrawn.
- (b) Minimum distance for charge has been increased from 100 kms. to 125 kms.
- (c) Reduction in low rated classes from 4 to 3 Existing LR class has been abolished.
- (d) 50% concession in case of booking of :-

(1) Dry Grass, Bhoosa & Chari and 16.5% Concession for Livestock have been withdrawn.

The rationalized rate structure for freight introduced with effect from 10-10-2014.

II. Dynamic pricing Policy :-

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

The following are various charges/surcharges which were in force from 1st April 2013 still continues to remain unchanged.

Busy Season Surcharge :

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

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

With effect from 17th April 2014 Board have revised the Busy Season for the financial year 2014-15 and levied 15% Busy season surcharge on the following commodities as under :-

Sl. No.	Seasons	Commodities
1	Busy season - 1st July to 31st March	(i) Coal Tar (ii) Coal Tar pitch (iii) Furnace Oil (iv) Light Diesel Oil
2	Lean season - 1st April to 30th June	(v) Carbon Black feed Stock

III Congestion Surcharges :-

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

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

With effect from 24th November 2014 Congestion Surcharge of 10% on Base Freight Rate is levied on all goods traffic including container originating from ports.

IV. Classification of Commodities :-

(a) "Carbon Black Feed Stock" (CBFS) is classified at class 200 under the Main head "Petroleum Products and Gases, Bitumen" with effect from 17-4-2014.

(b) "Cattle Feed" is classified at class 120 under the Main head "Miscellaneous".

V. E-Demand Registration

Railway Board have introduced Registration of Demand for Wagons electronically through e-RD on FOIS through web portal with effect from 1st July 2014.

VI. Wagon Registration Fee

Wagon Registration Fee to be deposited at the time of registration for indents of different type of wagons effective from 20th May 2014 are as under:-

Gauge	Per Wagon	Per Rake
BG	Rs. 1500	Rs. 50,000
MG	Rs. 1500	Rs. 50,000
NG	Rs. 1500	Rs. 1500x No. of Wagons in a rake.

VII. e-TRR Electronic Transmission of Railway Receipt :-

Recently Board have introduced the system of electronic transmission of Railway Receipts (e-TRR) through FOIS. This envisages user friendly Paperless transactions transmitted electronically to rail customers.

e-TRR has been introduced as a **Pilot Project** for POL traffic originating from HPCL siding at Loni over Central Railway.

Southern Railway is interested in implementing the ETR module at VLX siding operated by TAQA Neyvelli Power Company PVT Ltd on a trial basis. In this regard Railway Board has been requested to give permission for undertaking trial of E-TRR.

VIII. Service Tax Certificate

Railway Board have issued instructions for issue of Service Tax Certificate for transport of goods by Rail to customers on their written request, within 30 days.

3 Refunds on Goods Traffic

Sl. No.	Description	April to March	
		2013-14	2014-15
1	Number of cases carried for from previous year.	372	4,623
2	No. of cases received/re-opened during the year.	11,538	7,225
3	Number of cases disposed off during the year.	6,915	2,269
4	Number of cases on hand at the end of the year and carried forward to next year.	4,623	4,956
5	Number of cases outstanding for over 3 months but less than 6 months.	373	172
6	Number of cases outstanding for over 6 months.	4,250	4,784
7	Number of cases pending in the court at the end of the year.	1	-
8	Average time taken to settle	23.08	24.30

Registration of refund claims during April 2014 to March 2015 is 7,225 as against 11,538 during April 2013 to March 2014.

The Number of refund cases pending at the end of March 2015 is 4956 as against 4623 at the end of March 2014.

The Number of cases pending 3 to 6 months is 172 at the end of March 2015 as against 373 at the end of March 2014.

The Number of cases pending over 6 months is 4784 at the end of March 2015 as against 4250 at the end of March 2014.

During end of 2014 a bulk of 4250 (FIS) cases received from Dalmia and India cements were registered and all cases were sent for finance concurrence.

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

(3) Concession in rates for other coaching Traffic Nil

(4) Fairs and Meals Nil

4. Rebate on Export Traffic :

The scheme was not in force in 2014-2015.

5. Introduction of Freight Incentive Schemes :

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

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

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

The performance under various Freight Incentive Schemes during 2014-15 is given below :—

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

NIL.

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

NIL

- Incentive Scheme for Freight Forwarders :

Name of the Firm availed the Scheme	Quantum moved (in tonnes)	Freight collected Rs.
M/s. Shrinivasa Roadways.	63 911	9,66,20,923

- Incentive scheme for Incremental Traffic :

No. of Rakes	No. of wagons	Tonnage	Freight collected after allowing concession	concession granted
63	3 712	2 42 338	Rs.34 60 81 843	Rs.6 01 98 348

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

Utilising the powers, Cement from Cement plant Sidings over TPJ and SA divisions to Korukkupet goods, Salt Cotaurs, Chengalpattu and Kancheepuram over MAS division have been identified and freight discount of 30% on NTR has been granted from December 2013 to May 2014 initially and later extended in two spells from June 2014 to November 2014 and from December 2014 to May 2015.

6. Loading details under Transportation products April 2014-March 2015.

(No. of Rakes)

Loading Head	MAS	MDU	TPJ	SA	PGT	TVC	Total
Block Rake	4037	637	NIL	182	2237	799	7892

Loading Head	MAS	MDU	TPJ	SA	PGT	TVC	Total
Mini Rake.	7	18	171	307	157	34	694
Two point Rake	NIL	3	36	18	12	NIL	69
Multi point Rake	NIL	NIL	NIL	66	NIL	NIL	66
Two and Multi point rake (other than covered wagons)	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Rake from Two Originating Terminals	NIL	NIL	NIL	NIL	NIL	17	17
Rake from Two Originating Terminals (other than covered wagons).	NIL	NIL	NIL	NIL	NIL	NIL	NIL

7. (a) CLAIMS REGISTRATION

Year	Parcels	Goods	Total
2014-15	188	295	483
2013-14	283	443	726

7. (b) Claims Performance

Details	2014-15	2013-14
Opening Balance	89	122
Registration	483	726
Re-opened	75	46
Total	647	894
No. of cases paid	101	69
No. of cases repudiated	475	736
Total Disposal	576	805
Closing Balance	71	89
Amount paid (Excl. court cases)	4.78	2.37
Amount paid in court cases	3.27	0.42
Total amount paid (in Lakhs)	8.05	2.79
Average time for disposal	62 days	62 days

7. (c) CAUSE-WISE ANALYSIS OF CLAIMS PAID :

Claims paid on Account of	Year	Number	Amount Rs. in lakhs)
Complete loss	2014-15	101	4.78
	2013-14	65	2.27
Theft of complete packages	2014-15	0	0
	2013-14	0	0
Pilferages	2014-15	0	0
	2013-14	0	0
Damage by wet	2014-15	0	0
	2013-14	0	0
Delay in transit	2014-15	0	0
	2013-14	0	0
Breakage	2014-15	0	0
	2013-14	0	0
Leakage	2014-15	-	-
	2013-14	01	0.0
Others	2014-15		
	2013-14	03	0.10
Total	2014-15	101	4.78
	2013-14	69	2.37

7. (d) COMMODITY WISE ANALYSIS OF CLAIM PAID

Claims paid on Account of	Year	Number	Amount Rs. in lakhs)
(a) Grains & Pulses ..	2014-15	0	0
..	2013-14	0	0
(b) Iron & Steel ..	2014-15	0	0
..	2013-14	2	0.15
(c) Cotton piece goods ..	2014-15	5	0.19
..	2013-14	3	0.09
(d) Chemicals & Manure ..	2014-15	0	0
..	2013-14	0	0
(e) Coal & Coke ..	2014-15	0	0
..	2013-14	0	0
(f) P. O. L. ..	2014-15	1	0.29
..	2013-14	0	0
(g) Others ..	2014-15	95	4.3
..	2013-14	64	2.13
(h) Total ..	2014-15	101	4.78
..	2013-14	69	2.37

7. (e) COURT CASES DISPOSAL (EXCLUDING ACCIDENT CASES)

Details	2013-14	2014-15	% Variation
Opening Balance ..	249	261	+5%
Registration ..	66	85	+29%
Transferred cases ..	..	..	..
Total ..	315	346	+10%
Settled out of court ..	..	..	..
Decreed ..	23	31	+35%
Dismissed ..	27	71	+163%
Others ..	04	10	+150%
Total ..	54	112	+107%
Closing Balance ..	261	234	-10%

7. (f) COURT CASES TREND (BENCHMARK, EXCLUDING ACCIDENT CASES)

RCT	Opening Balance	Regis- traction	Total	Disposal	Closing Balance
RCT/MAS	02	..	02	-	02
RCT/ERS	..	01	01	..	01
Other Railways RCT Cases	91	-	91	29	62
Civil Suits	04	..	04	04	-
Consumer Forum cases	136	84	220	73	147
Appeal cases in High Courts & Supreme Court	28	-	28	06	22
Total	261	85	346	112	234

7. (g) ACCIDENT CASES (SECTION 124) DURING THE YEAR 2014-15

RCT	Opening Balance	Regis- traction	Total	Disposal	Closing Balance
RCT/MAS	02	01	03	02	01
RCT/ERS	01	-	01	01	-
Other Railways RCT Cases	01	-	01	..	01
Appeal cases in High Courts	06	-	06	-	06
Total	10	01	11	03	08

7. (h) ACCIDENT CASES (SECTION 124-A)

RCT	Opening Balance	Regis- traction	Total	Disposal	Closing Balance
RCT/MAS	235	304	539	207	332
RCT/ERS	76	98	174	70	104
Other Railways RCT Cases	84	18	102	17	85
Appeal cases in High Courts	204	31	235	36	199
Total	599	451	1050	330	720

(i) P. S. Us.

RCT's	Opening Balance	Regis- traction	Total	Disposal	Closing Balance
RCT/MAS	..	..	..	..	..
RCT/ERS	..	..	..	..	..
Other Railways RCT Cases	01	03	04	..	04
Appeal cases in High Courts & S/C	05	..	05	..	05
Total	06	03	09	..	09

(J) CAUSE -WISE AND COMMODITY WISE ANALYSIS OF CLAIMS PAID IN COURT DURING 2014-15

Cause	Commodity	Amount in Rs.
Damage	Wheat	3,27,169/-

8. CLAIMS PREVENTION - PREVENTIVE MEASURES :**(a) N. R. Cell**

During 2014-15 total of 168 wagons load consignments were disposed off by the NR Cell averting claims to the tune of Rs. 2970 Lakhs. 530 Parcel Consignments were also disposed off during the same period saving an amount of Rs. 137 Lakhs.

The performance of NR Cell during the year 2014-15 compared to the corresponding period of the previous year is furnished below :

Details	Wagon Loads		Parcels	
	2013-14	2014-15	2013-14	2014-15
Opening Balance	33	25	13	05
Registration	238	156	758	550
Total	271	181	771	555
Disposal	246	168	766	530
Closing Balance	25	13	05	25
Amount saved (Rs. in lakhs)	5031	2970.7	119.5	137.11

(b) C. P. Checks :

During the year 2014-15, 13 Claim Prevention Checks were conducted at Parcel Offices, Goods Sheds and in Major Stations with regard to Cleanliness Drive. In addition PRS Checks were also conducted at Major Stations. 43 on Board Amenity and Catering checks were conducted in several trains by officers.

9. LOST PROPERTY OFFICE

(b) Auction at lost property offices – 2014-15

(a) Position of unconnected/undelivered parcels :

Details	2013-14	2014-15
Opening Balance	288	511
Registration	1267	1118
Total	1555	1629
Disposal	1044	730
Closing Balance	511	899

LPO	Opening Balance	Registration	No. of Auctions conducted	No. of disposed through	Amount realised ₹
MAS	419	721	11	382	6,74,924
ED	-	52	04	42	1,42,438
CBE	07	66	06	47	32,777
CLT	10	81	04	67	5,25,849
ERS	03	43	01	07	20,580
TVC	08	38	04	33	70,805
QLN	07	12	01	10	6,935
MDU	22	41	-	-	-
TPJ	35	64	01	43	17,474
Total	511	1118	32	631	14,91,782

10. Tabulated statement showing the comparative details of refund claims dealt with in the refund offices over Southern Railway (For the Year 2013-2014 & 2014-2015).

2013-2014										2014-2015										Percentage variation as compared to previous year	
Month & Year	Opening Balance	Receipt	Re-opened	Total for disposal	Disposed off	Closing Balance	% cleared as compared to accrual	Average Time	Amount Refunded (₹)	Month & Year	Opening Balance	Receipt	Re-opened	Total for disposal	Disposed off	Closing Balance	% cleared as compared to accrual	Average Time	Amount Refunded (₹)	Receipt	Disposal
Apr'13	15746	15378	191	31315	16151	15164	105%	77	3734776	Apr'14	3761	8201	82	12044	7586	4458	93%	35	2140632	-46.7%	-53.0%
May'13	15164	15818	50	31032	16336	14696	103%	83	4099313	May'14	4458	10733	72	15263	10454	4809	97%	34	2772215	-32.1%	-36.0%
Cum	31196	241			32487		104%		7834089	Cum		18934	154		18040		95%		4912847	-39.3%	-44.5%
Jun'13	14696	14814	84	29594	16313	13281	110%	78	3802592	Jun'14	4809	7679	29	12517	9155	3362	119%	26	3159815	-48.2%	-43.9%
Cum	46010	325			48800		106%		11636681	Cum		26613	183		27195		102%		8072662	-42.2%	-44.3%
Jul'13	13281	10865	562	24708	15169	9539	140%	50	4630241	Jul'14	3362	10176	94	13632	8839	4793	87%	29	2306037	-6.3%	-41.7%
Cum	56875	887			63969		112%		16266922	Cum		36789	277		36034		98%		10378699	-35.3%	-43.7%
Aug'13	9539	7999	483	18021	10805	7216	135%	70	2855740	Aug'14	4793	8170	121	13084	9385	3699	115%	30	2655116	-2.1%	-13.1%
Cum	64874	1370			74774		115%		19122662	Cum		44959	398		45419		101%		13033815	-30.7%	-39.3%
Sep'13	7216	6905	711	14832	11109	3723	161%	61	3676524	Sep'14	3699	8179	293	12171	9408	2763	115%	16	3092345	-18.5%	-15.3%
Cum	71779	2081			85883		120%		22799186	Cum		53138	691		54827		103%		16126160	-26.0%	-36.2%
Oct'13	3723	8901	46	12670	8335	4335	94%	42	3574739	Oct'14	2763	11057	323	14143	9914	4229	90%	15	2930343	-24.2%	-18.9%
Cum	80680	2127			94218		117%		26373925	Cum		64195	1014		64741		101%		19056503	-20.4%	-31.3%
Nov'13	4335	11411	258	16004	10444	5560	92%	37	4280137	Nov'14	4229	7791	523	12543	8956	3587	115%	18	3633299	-31.7%	-14.2%
Cum	92091	2385			104662		114%		30654062	Cum		71986	1537		73697		102%		22689802	-21.8%	-29.6%
Dec'13	5560	8961	90	14611	9385	5226	105%	33	2925216	Dec'14	3587	8413	953	12953	8842	4111	105%	17	1026742	-6.1%	-5.8%
Cum	101052	2475			114047		113%		33579278	Cum		80399	2490		82539		103%		23716544	-20.4%	-27.6%
Jan'14	5226	10185	111	15522	9857	5665	97%	39	3247598	Jan'15	4111	11262	1168	16541	11584	4957	103%	25	4034716	-10.6%	-17.5%
Cum	111237	2586			123904		111%		36826876	Cum		91661	3658		94123		103%		27751260	-17.6%	-24.0%
Feb'14	5665	8310	138	14113	9616	4497	116%	25	3603806	Feb'15	4957	12073	1278	18308	10875	7433	90%	20	2770241	-45.3%	-13.1%
Cum	119547	2724			133520		112%		40430681	Cum		103734	4936		104998		101%		30521501	-13.2%	-21.4%
Mar'14	4497	7735	127	12359	8598	3761	111%	33	2019698	Mar'15	7433	8418	441	16292	9950	6342	118%	27	3017803	8.8%	-15.7%
Cum	127282	2851			142118		112%		42450379	Cum		112152	5377		114948		102%		33539304	-11.9%	-19.1%

11. Ticket Less Travel

in ₹

The comparative statistics are given below :

Year	Total No. of cases of Ticketless Travel	Amount realised There from (₹)
2013-14	8,85,035	35,99,71,334
2014-15	10,08,335	41,98,75,689

12. Ticket Checking Details of Detection of Irregular travel:-

The cases of irregular travel detected, excess charges recovered and cases dealt with the Court during 2014-15 are as under :-

	in ₹
1. No. of Passengers found travelling irregularly	10,08,335
2. No. of cases unbooked/partially booked luggage	84,889

3. Total Penalty earnings from (1) and (2) above	43,96,75,719
4. Gross ticket checking earnings including non-penalty earnings.	92,16,28,381
5. No. of Passengers prosecuted	34,111
6. No. of Passengers imprisoned	58
7. No. of Passengers fined	34,002
8. No. of Passengers let-off..	51
9. Amount of Judicial Fine Realised	89,76,556
10. No. of Mendicants ejected	14,851
11. Total cost incurred on Ticket Checking Staff	1,37,81,98,589

The details of imported goods traffic moved by rail from port during the year 2014-2015 (Commodity, Tonnes & Earnings) are furnished below :—

Sl. No.	Commodity	No. of Wagons	2013-14	
			Tonnage	Earnings (₹ in Crores)
1	Coal	32742	2110989	9880408834
2	Iron Ore	6939	442439	469199916
3	Chemical Manure	6203	414758	269781347

13. Road Competition

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

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

Freight :

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

Sl. No.	Commodities	2014-15	
		Tonnage 000's	Earnings (₹ in Crores)
1	Imported Coal..	8,755	1,405.42
2	Imported Fertilizer ..	1,721	142.13
3	Imported Limestone ...	3,160	301.87
4	Imported Gypsum ..	1,249	467.75
5	Imported Steel ..	86	7.59
6	Imported Iron Ore ..	683	72.62
7	Imported Clinker ..	4	0.15
8	Imported Palm oil ..	23	4.10
	Total	15681	2401.63

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

Type of Traffic	Tonnes in Thousands		Earnings in Crores	
	2013-14	2014-15	2013-14	2014-15
a. High Rated Traffic	262	256	37.24	36.41
b. Programmed Traffic	35,154	31,340	1,992.41	2056.25
c. Low rated Traffic	2,321	2,426	211.91	243.63
d. Other Revenue Traffic	4,669	5,115	402.84	508.68

3. The originating goods loading over Southern Railway during 2014-15 was 39.137 Million Tonnes as against 42.403 Million Tonnes during 2013-14. Similarly the originating Goods Earnings during 2014-15 were Rs. 2,925.81 Crores as against Rs. 2,744.32 Crores during 2013-14.

4. Increase in Loading of commodities :

There was considerable increase in loading under the following commodities in 2014 - 15 compared to 2013 - 14.

Sl. No.	Commodity	2013-14	2013-14	2014-15	2014-15
		Tonnes	Earnings in lakhs	Tonnes	Earnings in lakhs
1	Iron & Ore	5,01,540	3,207.63	5,31,034	4,204.49
2	Fertilizers	31,24,545	28,571.83	34,68,322	35,201.37
3	POL	32,98,583	33,548.80	36,06,526	40,199.05
4	Charcoal	162	2,456.48	239	4029.46
5	Containers	15,50,850	14,821.18	15,69,197	15,633.37

5. Automobile Traffic :

As a result of continuous liaison and effective marketing contacts with Automobile Traders, Southern Railway has moved 115 rakes with total revenue of ₹ 19.83 Crores during 2014-15.

6. Parcel

The Parcel loading during 2014-15 was 4.64 lakhs of tonnes with an earnings of ₹ 180.27 Crores as against 4.77 lakhs of tonnes with earnings of ₹ 160.70 Crores during 2013-14.

Under FSLR, AGC and round trip VP leasing scheme, Southern Railway had earned ₹ 63.94 Crores during the year 2014-15.

VII. यांत्रिक इंजीनियरी/MECHANICAL ENGINEERING

Stock on Line

The particulars of Rolling Stock on line owned at the end of March 2015 as compared to the previous year :—

As on 31st March 2015	Locomotives						Passenger and other Coaching Vehicles		Rail Car in units		EMU's in 4 Coach units	
	Broad Gauge			Metre Gauge N. M. R.								
	Elec. A. C. Locos	DSL. Locos	DSL. HYD. Locos	Elec.	Steam	DSL. Locos	B. G.	M. G.	B. G.	M. G.	B. G., EMU, M. G.	T. C.
Previous year 2013-2014	421	369	15	*	10	9	6322	31	—	—	260	525
Current year 2014-2015	435	355	12	*	8	9	6,596	31	—	—	269	542

As on 31st March 2015	Wagon in Units		Travelling Cranes					
			BROAD GAUGE			METRE GAUGE		
	B. G.	M. G.	Steam	Diesel	Hand	Steam	Diesel	Hand
Previous year 2013-2014	9,589	267	..	6	..	..	..	..
Current year 2014-2015	9,517	217	..	6	..	..	..	..

2. Additions and Renewal

Particulars	BROAD GAUGE			METRE GAUGE	
	Additions	Replacement		Additions	Replacement
LOCOS :					
Steam	..	..	..	..	..
Diesel	..	..	21 (#)	..	..
Electric	..	..	..	..	..
COACHES :					
Bogies	..	..	492	..	..
Locos	..	..	14	..	..
Coaches	..	..	MC TC	..	..
EMU Trailer Coaches	..	..	9 18	..	..
Transferred from other Railways	..	..	..	..	..
Transferred to other Railways	..	..	59	..	..
WAGONS :					
Bogies	..	..	60	..	..

Out of 21 (a) 2 WDG4 Received on Transfer from other Railways
(b) 19 New Locos received.

2.1 Wagon built by wagon building firms and Railway Workshop (2014-2015)

Name of the Firm	Type	No. in Vehicle units	No. in 4-Wheelers units
Broad Gauge Stock	Nil	Nil	Nil
M/s. Modern Industries Ghaziabad	BOXNHL	60	—

M. G. STOCK Nil Nil Nil

2.2 Goods Stock Transferred from other Railways

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

3. Locomotives Online with their Tractive efforts (a) Steam Locos

	Broad Gauge		Metre Gauge	
	No.	Total Tractive Efforts (Kgs.)	No.	Total Tractive Efforts (Kgs.)
As on 31st March 2015				
Previous Year 2013-2014	..	..	10	1,18,812
Current Year 2013-2014	..	..	8	1,18,812

(b) Diesel Locomotives

	Broad Gauge		Metre Gauge	
	No.	Total Tractive Efforts (Kgs.)	No.	Total Tractive Efforts (Kgs.)
As on 31st March 2014				
Previous Year 2013-2014	384	96,69,210	9	1,72,800
Current Year 2013-2014	367	1,11,43,410	9	1,72,800

(c) Electrical Locomotives on line with their tractive effort :—
To be furnished by Electrical Branch

Particulars	Broad Gauge	
	Nos.	Horse Power
As on 31st March Previous Year 2013-14	WAM 4—24	87,360
	WAP1—33	1,25,400
	WAP 4—148	7,40,000
	WAG 7—106	5,30,000
	WAG5A/HA-91	3,50,350
	WAP7—19	1,16,280
Current year 2013-14	WAM 4—22	80,479
	WAP1—33	1,25,400
	WAP 4—148	7,40,000
	WAG 7—112	5,60,000
	WAG5A/HA-89	3,42,650
	WAP7—31	1,89,720

5. Goods Vehicles and carrying capacity

As on 31st March current year 2014-15	Public Traffic Wagons Covered Wagons Open Wagons				Special wagons including Brake Vans No. in units	Depot. Railway Service wagons (No. in units)	Total Goods vehicles (No. in units)
	No. in units	Capacity in tonnes	No. in units	Capacity in tonnes			
Broad Gauge	5322	289686.5	3931	220078.23	264	..	9522
Metre Gauge (Incl. N. M. Railway)	197	8289.4	19	689.7	4	6	226

6. Diesel Rail Cars

As on 31st March 2015	(A) Motor Coaches		(B) Trailer Coaches	
	No. in units	Total Seats	No. in units	Total seats
Previous year 2013-14				
Broad Gauge	..	..	..	..
Metre Gauge	..	..	..	..
Current year 2014-15				
Broad Gauge	..	..	..	..
Metre Gauge	..	..	..	..

Electrical Multiple Units

Particulars	Motor Coaches		Trailer Coaches	
	Nos.	Horse Power	Nos.	Horse Power
As on 31st March 2013-2014				
Broad Gauge	260	232960	525	..
As on 31st March 2014-2015				
Broad Gauge	269	241024	542	..

7. Travelling Cranes

As on 31st March 2014	Steam Cranes		Diesel Cranes		Hand Cranes	
	No. in units	Capacity in Tonnes	No. in units	Capacity in Tonnes	No. in units	Capacity in Tonnes
Broad Gauge Previous year 2013-14	..	..	6	140T X 6	..	..
Broad Gauge Current year 2014-15	..	..	6	140T X 6	..	..
Metre Gauge Previous year 2013-14.	..	..	..	..	..	..
Metre Gauge Current year 2014-15	..	..	..	..	..	..

4. Coaches Vehicles and seating capacity (Except EMU)

As on 31st March current year 2014-15	Pass. Coaches (No. in units)	Other Coaching Vehicle (No. in units)	Total Seats			
			Air condition	Ist Class	II Class Berths	Seats
Broad Gauge	6,073	523	60,990	897	154196	446676
N. M. Railway	26	5	..	250	..	1060

8. Rolling Stock by Age Group

(a) Locomotives (Steam)

Age Group	Broad Gauge				Metre Gauge			
	Previous Financial Year		Current Financial Year		Previous Financial Year		Current Financial Year	
	2013-2014		2014-2015		2013-2014		2014-2015	
	No.	%	No.	%	No.	%	No.	%
1 to 5	..	..	..	..	..	..	..	..
6 to 10	..	..	..	..	..	..	..	..
11 to 15	..	..	..	..	..	..	..	..
16 to 20	..	..	..	..	..	..	..	..
21 to 25	..	..	..	..	..	..	..	..
26 to 30	..	..	..	..	..	..	..	..
31 to 35	..	..	..	..	..	..	..	..
36 to 40	..	..	..	..	..	..	..	..
Over 40	..	..	..	..	10	100.00	8	100.00
Total	..	..	..	..	10	100.00	8	100.00

Rolling Stock

(a) Electric Locomotive (Broad Gauge)

Age Group Years	2013-2014		2014-2015	
	Nos.	Percentage	Nos.	Percentage
Less than 1 Year	33	7.84	21	4.83
1 to 5 Years	67	15.91	77	17.71
6 to 10 Years	74	17.58	80	18.39
11 to 15 Years	91	21.62	48	11.04
16 to 20 Years	41	9.74	84	19.31
21 to 25 Years	73	17.34	73	16.78
26 to 30 Years	14	3.33	24	5.51
Above 30 Years..	28	6.64	28	6.43
Total	421	100.00	435	100.00

(b) Passenger Coaches

Age Group Years	Broad Gauge				Metre Gauge			
	Previous Financial Year		Current Financial Year		Previous Financial Year		Current Financial Year	
	2013/14		2014/15		2013/14		2014/15	
	No.	%	No.	%	No.	%	No.	%
1 to 5	1475	24.97	1660	27.33	..	..	..	..
6 to 10	1330	22.52	1316	21.67	..	..	..	..
11 to 15	1119	18.74	1152	18.97	1	4.0	..	..
16 to 20	1189	20.12	1201	19.78	..	..	..	..
21 to 25	735	12.44	703	11.58	24	96.0	..	..
26 to 30	61	1.03	41	00.67	..	..	..	..
31 to 35	..	..	..	..	..	..	..	..
Over 35	..	..	..	..	..	..	..	..
Total	5907	100.00	6073	100.00	25	100.00	..	..

(i) Motor Coaches

Age Group Years	2013-2014		2014-2015	
	Nos.	Percentage	Nos.	Percentage
Broad Gauge				
1 to 5 Years	53	20.38	47	17.48
6 to 10 Years	105	40.38	95	35.32
11 to 15 Years	43	16.54	64	23.79
16 to 20 Years	44	16.92	39	14.49
21 to 25 Years	15	5.78	22	8.17
26 to 30 Years	0	0	2	0.75
Above 30 Years	0	0	0	0
Total	260	100.00	269	100.00

9. Rolling Stock on line

(a) Overaged Steam Locomotives on line as on 31st March 2015

Type of Stock	BROAD GAUGE						Percentage of over-aged to total	Stock condemned in current financial year 2014-2015			METRE GAUGE						Stock condemned in current financial year 2014-2015			
	Total Stock			Stock Overaged							Total Stock			Stock overaged						
	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	Percentage of over-aged to 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	4	8	4	4	8	..	..	..	..
Mixed Goods	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Light Goods and Miscellaneous	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	..	..	..	4	4	8	4	4	8	..	..	..	..

(ii) Trailer Coaches 110

Age Group Years	2013-2014		2014-2015	
	Nos.	Percentage	Nos.	Percentage
1 to 5 Years	96	18.29	84	15.50
6 to 10 Years	212	40.38	186	34.32
11 to 15 Years	85	16.19	139	25.65
16 to 20 Years	104	19.81	99	18.26
21 to 25 Years	28	5.33	28	5.16
26 to 30 Years	0	0	6	1.11
Above 30 Years	0	0	0	0
Total	525	100.00	542	100.00

(c) Wagons

General Services

Age Group Year	Broad Gauge				Metre Gauge			
	Previous Financial Year		Current Financial Year		Previous Financial Year		Current Financial Year	
	2013-2014		2014-2015		2013-2014		2014-2015	
	No.	%	No.	%	No.	%	No.	%
1 to 5	-	-	124	1.38	-	-	-	-
6 to 10	318	4.00	669	7.45	-	-	-	-
11 to 15	1195	15.17	557	6.20	-	-	-	-
16 to 20	3616	45.89	4898	54.04	-	-	-	-
21 to 25	1921	24.38	1839	20.48	193	100.00	193	100.00
26 to 30	804	10.20	865	9.63	-	-	-	-
31 to 35	1	0.01	28	0.31	-	-	-	-
36 to 40	0	0	0	0	-	-	-	-
Over 40	0	0	0	0	-	-	-	-
Total	7958	100.00	8980	100.00	193	100.00	193	100.00

Overaged rolling stock on lines

(a) Over aged BG Electric Locos on line as on 31st March 2015. NIL

(b) Number of locomotives put off and new locomotives put on line during the year 2014-2015.

Particulars	BG 2013-14	BG 2014-15
1. No. of locomotives taken off the line	6	6
2. No. of locomotives placed on line.	43	20
3. No. of locomotives permanently transferred from other Railways.	..	2
4. No. of locomotives permanently transferred to other Railway.	..	4

(b) Number of locomotives put off and new locomotives put on line during the year 2014-2015.

Sl. No.	Particulars	BROAD GAUGE			Steam	METRE GAUGE	
		Steam	Diesel	Electric (A/C.)		Diesel	Electric (A/C.)
1.	No. of locomotives taken off the line	..	31	6	..	..	..
2.	No. of locomotives placed on line	..	19	20	..	..	..
3.	No. of locomotives permanently transferred from other Railway.	..	2	2	..	..	..
4.	No. of locomotives permanently transferred to other Railway.	..	18	4	..	..	..

(c) Overaged Coaching Stock on line as on 31st March 2015—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 2014-2015		
		Non-Replaced	Replaced	Total	Non-Replaced	Replaced	Total		Non-Replaced	Replaced	Total
1.	Air-conditioned class	1055	0	1055	9	0	9	0.03	12	0	12
2.	Upper Class (First)	23	0	23	4	0	4	0.06	11	0	11
3.	Composite Class	0	0	0	0	0	0	0.00	0	0	0
4.	Lower Class (Second).	4995	0	4995	77	0	77	1.17	119	0	119
5.	Tourist Car Inspection. Carriage and Dining Cars.	186	0	186	0	0	0	0.00	0	0	0
6.	All other coaching Vehicles excluding these under item 5. & PPS.	337	0	337	12	0	12	0.18	12	0	12
Total		6596	0	6596	102	0	102	1.55	154	0	154

Trailer Coaches DMU., DTC & TC Coaches			
Diesel Power Coaches	0	0	0
Trailer Coaches TC	59	0	59
Diesel Trailer Coaches DTC	6	0	6
Total	65	0	65

METRE GAUGE—COACHES

Particulars	Total stock owned			Stock Over Aged			Percentage of overaged to total stock on line	Stock condemned during the current financial year 2013-2014		
	Non-Replaced	Replaced	Total	Non-Replaced	Replaced	Total		Non-Replaced	Replaced	Total
1. Air-conditioned Class.	..	..	..	..	..	..	..	..	..	..
2. Upper Class (First)	..	..	..	..	..	..	..	1	..	1
3. Composite Class	..	..	..	..	..	..	..	..	..	..
4. Lower Class (Second)	..	..	..	..	..	..	..	24	..	24
5. Tourist Car Inspection Carriage and Dining Cars.	..	..	..	..	..	..	..	3	..	3
6. All other coaching Vehicles excluding these under item. 5 & PPS	..	..	..	..	..	..	..	1	..	1
Total	..	..	..	..	..	..	..	29	..	29

DIESEL RAIL CARS

Driving Trailers YRD	..	..	..
Trailers YRD	..	..	..
Total	..	..	..

RAIL BUS

YRB	1	0	1
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(d) Overaged wagon stock on line as on 31st March 2015 (Broad Gauge wagons)

Sl. No.	Type of Wagons	Stock on Line			Stock Overaged			Percentage of overaged to total stock on line	Stock condemned during the current financial year 2014-15		
		Non-Replaced	Replaced	Total	Non-Replaced	Replaced	Total		Non-Replaced	Replaced	Total
1.	Covered										
2.	Open	4867	0	4867	27	0	27	0.28	3	0	3
3.	Brake-vans	2965	0	2965	9	0	9	0.09	101	0	101
4.	Tank Wagons	264	0	264	8	0	8	0.08	2	0	2
5.	Special Stock	455	0	455	299	0	299	3.14	17	0	17
6.	Railway Service Wagons.	966	0	966	34	0	34	0.36	2	0	2
	Total	0	0	0	0	0	0	0.00	0	0	0
		9517	0	9517	377	0	377	3.96	125	0	125

Particulars	BROAD GAUGE		METRE GAUGE	
	Coaches	Wagons	Coaches	Wagons
Number put off the line during the year 2013-2014.	479	30	0	0
Number put on line during the year 2014-2015.	491	60	0	0

10 (a) Locos under or Awaiting Repairs

10 (a). Locos under or Awaiting Repairs														
Details			Average		Average under		In Mechanical		Stabled in		In Shed and		In Transit	
Year			No. on		Repairs		Workshops		Sheds awaiting		Transportation			
			line		No.	%	No.	%	No.	%	No.	%	No.	%
BROAD GAUGE 2013-2014														
Diesel Electric	..	..												
Diesel Hydraulic	..	..	342.18	27.04	7.90		7.98	2.33	-	-	19.06	5.57	-	-
Electric	..	..	12.11	1.04	8.59		0.00	0.00	-	-	1.04	8.59	-	-
Total	..	..	402.76	33.24	8.25		5.09	1.26	-	-	28.15	6.99	-	-
METRE GAUGE 2013-2014														
			757.05	61.32	8.10		13.07	1.73	-	-	48.25	6.37	-	-
Steam	..	..												
Diesel Electric	..	..	11.00	4.06	36.91		3.08	28.00	-	-	0.98	8.91	-	-
Diesel Hydraulic	..	..	5.00	0.00	0.00		0	0.00	-	-	0	0.00	-	-
Electric	..	..												
Total	..	..												
BROAD GAUGE 2014-2015														
			16.00	4.06	25.38		3.08	19.25	-	-	0.98	6.13	-	-
Diesel Electric	..	..												
Diesel Hydraulic	..	..	352.99	27.12	7.68		6.46	1.83	-	-	20.66	5.85	-	-
Electric	..	..	5.86	1.04	17.75		0.00	0.00	-	-	0.42	7.17	-	-
Total	..	..	430.2	33.24	7.73		5.98	1.39	-	-	27.28	6.34	-	-
METRE GAUGE 2014-2015														
			789.05	61.4	7.78		12.44	1.58	-	-	48.36	6.13	-	-
Steam	..	..												
Diesel Electric	..	..	11.00	3.94	35.82		3.25	29.55	-	-	0.69	6.27	-	-
Diesel Hydraulic	..	..	5.00	0.00	0.00		0	0.00	-	-	0	0.00	-	-
Electric	..	..												
Total	..	..												
			16.00	3.94	24.63		3.25	20.31	-	-	0.69	7.431	-	-

(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	2013-2014	5644	328.13	5.81	180.26	3.19	52.23	0.93	49.90	0.88	45.75	0.81
Coaching	2014-2015	5950	379.51	6.38	211.31	3.55	53.73	0.90	61.82	1.04	52.64	0.88
Vehicles												
Other	2013-2014	341	18.27	5.36	9.91	2.91	2.62	0.77	3.55	1.04	2.19	0.64
Coaching	2014-2015	339	18.27	5.39	17.04	5.03	2.36	0.70	5.02	1.48	2.47	0.73
Vehicles—												
All	2013-2014	5985	346.40	5.79	190.17	3.18	54.85	0.92	53.45	0.89	47.94	0.80
Coaching	2014-2015	6289	397.78	6.33	228.35	3.63	56.09	0.89	66.84	1.06	55.11	0.88
Vehicles—												

Type	Year	Average	Average under		In Mechanical		In sick lines and		Stabled Awaiting		In Transit	
		No. on line (in Units Vehicle)	Repairs No.	Percentage	Workshops No.	Percentage	Transportation No.	Percentage	Workshop Repairs No.	Percentage	No.	Percentage
METRE GAUGE												
Passenger	2013-2014	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coaching	2014-2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vehicles—												
Other	2013-2014	0	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00
Coaching	2014-2015	0	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00
Vehicles—												
All	2013-2014	0	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0.00	0.00
Coaching	2014-2015	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0.00	0.00	0.00
Vehicles—												

(c) Wagons under or awaiting Repairs

Year	Average No. on line (8 Wh.)	Average under Repairs		in Mechanical Workshops		In sick line and Transportation		Stabled awaiting workshop repairs	
		No.	Percentage	No.	Percentage	No.	Percentage	No.	Percentage
		BROAD GAUGE							
2013-2014	8841	675.17	7.64	100	1.13	267	3.02	308.17	3.49
2014-2015	9527	785.25	8.24	99	1.04	307	3.22	379.25	3.98
METRE GAUGE									
2013-2014	0.00	0	0.00	0	0.00	0	0.00	0	0.00
2014-2015	0.00	0	0.00	0	0.00	0	0.00	0	0.00

11. Rolling Stock Turned out after repairs from workshops**(a) Locomotives — (Steam Loco)—Metre Gauge**

Details	Heavy repairs Periodical overhaul	IOH	Special repairs	Total	Equivalent Std. I Class Unit repairs	Average number of days taken for POH	
						Calendar days	Working days excluding Sundays and Shop Holidays
Previous Financial Year 2013-2014	—	..	..	—	—	—	—
Current Financial Year 2014-2015	..	..	..	..	..	..	..
The kilometres between periodical overhaul of loco No.			Nil.				
Previous Financial Year 2013-2014	..	..	Nil.				
The kilometers between periodical overhaul of loco No.			Nil.				
Current Financial Year 2014-2015	..	..	Nil.				

(b) Over aged coaching and wagon stock on line as on 31st March 2014**I. Under or awaiting repairs**

Particulars in a Loco	Average on line		Average under repairs		In Mech. W. Shop Car W. Shop		Stabled in the awaiting W. Shop		Installed and Transportation		Locos in Transit	
	Nos.	%	Nos.	%	Nos.	%	Nos.	%	Nos.	%	Nos.	%
(a) Locos												
Broad Gauge												
2013-2014	402.76	100	41.01	10.18	..	..	..	..	41.01	10.18	..	..
2014-2015	430.20	100	43.51	10.11					43.51	10.11	..	..

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

2013-2014	254.09	100	16.63	6.54	..	..	..	..	16.63	6.54	..	..
2014-2015	261.25	100	18.33	7.02	..	..	..	..	18.33	7.02	..	..

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

Shop	Activity	Periodical Over hauling	Previous Financial Year 2013–2014			Current Financial Year 2014–15			Total
			Off Schedule		Total	Off Schedule		Total	
			Over Rs. 100	Below Rs. 100		Over Rs. 100	Below Rs. 100		
BROAD GAUGE									
Perambur Carriage Works—									
Passenger Coaches	PCVs	1713	115.5	0	1828.5	1730	141	0	1871
Other Coaches	OCVs	242	0	0	242	270	0	0	270
	Total	1955	115.5	0	2070.5	2000	141	0	2141
Perambur Loco Works—									
Passenger Coaches	PCVs	511	1.8	0	512.8	523	2.7	0	525.7
Other Coaches	OCVs	0	0	0	0	0	0	0	0
	Total	511	1.8	0	512.8	523	2.7	0	525.7
	DTC/TCs of DEMU	50	0	0	50	65	0	0	65
Golden Rock Workshops—									
Passenger Coaches	PCVs	848	80	0	928	882	84	0	966
Other Coaches	OCVs	45	0	0	45	58	0	0	58
	Total	893	80	0	973	940	84	0	1024

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

Shop	Activity	Periodical Over hauling	Previous Financial Year 2013-2014			Current Financial Year 2014-2015			Total
			Off Schedule		Total	Off Schedule		Total	
			Over Rs. 100	Below Rs. 100		Over Rs. 100	Below Rs. 100		
METRE GAUGE									
Gold Rock Workshop--									
Passenger Coaches	PCVs	10	0	0	10	0	0	0	0
Other Coaching Vehicles	OCVs	0	0	0	0	1	0	0	1
	Total	10	0	0	10	1	0	0	1

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

Gauge	Shop	Periodical Overhaul	2013-2014			2014-2015		
			Off. Schedule		Total	Periodical Overhaul	Off. Schedule	Total
Broad Gauge	CW/PER	..	2,425	0	2,425.0	3,051	0	3,051
	GOC	..	..	0	0	0	0	0
	Total	..	2,425	0	2,425.0	3,051	0	3,051
Metre Gauge	GOC	..	..	0	0.0	..	..	0

Note.—PCVs – Passenger Coaching Vehicles, OCVs – Other Coaching Vehicles.

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

Activity Year	Shop Year	Broad Gauge		Metre Gauge	
		Previous Financial Year 2013-2014	Current Financial Year 2014-2015	Previous Financial Year 2013-2014	Current Financial Year 2014-2015
PCVs	CW/PER	10.8	11.9	..	..
	LW/PER	16.63	7.65	..	..
	GOC	17.3	17.3	16.2	17.0
OCVs	CW/PER	9	8.6	..	..
	LW/PER	..	..	..	..
	GOC	8.2	10.8	..	..
WAGONS	CW/PER	4.6	4.0	..	..
	LW/PER	..	..	..	..
	GOC	..	..	..	..

(g) POH Unit Cost of Repairs

Rs. in Thousands

Stock	Shop	—	Broad Gauge		Metre Gauge	
			Previous Financial Year 2013-14 (Actuals)	Current Financial Year 2014-15 (Actuals)	Previous Financial Year 2013-14 (Actuals)	Current Financial Year 2014-15 (Actuals)

Unit repair cost (per loco)

Steam Loco	GOC	..	..	..	..	..
Driving Power Car of DMU		2955	3805	No Activity		
Dsl. Hyd.	LW/PER	..	..			
AC Electric	..	10386	11986			
Dsl. Elec.	GOC	10275	10340	6910	6925	

12. LOCOMOTIVES, COACHES & WAGONS OVERDUE REPAIRS

Rolling Stock	Type	Broad Gauge				Metre Gauge			
		Current financial Year as on 31-03-2014		Current financial Year as on 31-03-2015		Current financial Year as on 31-03-2014		Current financial Year as on 31-03-2015	
		No.	%	No.	%	No.	%	No.	%
Locos	(a) Steam	Nil	Nil	Nil	Nil	2	0.2	2	0.25
	(a) Dsl. Electric	..	..	..	..	..	..	..	..
	(c) Dsl. Hydraulic	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Coaches (In VUs)		26	0.41	26	0.41	..	..	..	..

(b) ENGINE FAILURES – DIESEL-LOCOS

Gauge	Type	Year	Total No. of failure	Average	Failure under various service			Engine KMs per engine failure (various services)		
					Pass	Mixed	Goods	Pass	Mixed	Goods
B. G.	Dls. Electric	2013-14	102	399636	87	..	15	342513	@@	526955
		2014-15	92	428405	76	..	16	398205	@@	571852
	Dsl. Hydraulic	2013-14	..	..	..	..	..	@@	@@	..
		2014-15	..	..	..	..	..	@@	@@	..
M. G.	Dls. Electric	2013-14	..	55404 (*)	..	..	..	55404 (*)	@@	..
		2014-15	..	54930 (*)	..	..	..	54930 (*)	@@	..
	Dsl. Hydraulic	2013-14	..	..	..	..	..	..	..	..
		2014-15	..	..	..	..	..	..	..	..

Note.— (*) Denotes total engine Kms. without failure
 (@@) There is no service

(g) POH Unit Cost of Repairs

Rs. in Thousands

Stock	Shop	—	Broad Gauge		Metre Gauge	
			Previous Financial Year 2013-14 (Actuals)	Current Financial Year 2014-15 (Actuals)	Previous Financial Year 2013-14 (Actuals)	Current Financial Year 2014-15 (Actuals)

Average cost of repairs per Passenger Carriage (In FWUs)

PCV-POH	CW/PER	AC	861	938	No Activity	
		Non-AC	872	956		
	LW/PER	Non-AC	723	757	No Activity	
		GOC	952	998		
Driving Trailer coach of DEMU-POH	LW/PER		1094	3805	514	
Trailer coach of DEMU-POH	LW/PER		641	1048	No Activity	

Average cost of repairs per Other Carriage (In 8 Wheeler)

OCVs-POH	CW/PER		821	899		
	LW/PER		..	..		
	GOC		555	1502*	..	359

Average cost of repairs per Wagon (In FWUs)

Wagons –	CW/PER		268	262	No Activity	
POH	GOC		..	..	..	..

Rolling Stock Planned Out After Repairs (In Lakhs of Rs.)

	Years	Broad Gauge
i. Average cost of maintenance and repairs per locomotives (Electrical) without POH cost.	2013-14 2014-15	24.67 25.73
ii. Average cost of maintenance and repairs of EMU Coach Unit.	2013-14 2014-15	26.49 29.98

13. (a) ENGINE FAILURES STEAM-LOCOS

Year	Total No. of engine failure	Average Kms per engine failures	Engine failures under various services			Engine failures under various services		
			Pass.	Mixed	Goods	Pass.	Mixed	Goods
2012-13	3	6433	3	..	..	6433	..	..
2013-14	..	..	..	..	..	..	..	..

Engine Failures (Electrical) 2013–2014 and 2014–2015

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>								
2013–2014	92	8.41	65	..	27	7.21	..	11.29
2014–2015	110	7.35	67	..	43	7.33	..	7.37

Energy and Amount particulars of traction and Non-traction

Sl. No.	Description	Year	
		2013–14	2014–15
1	Traction consumption in million units	1045.140	1113.55
2	Non-traction consumption in million units	119.897	123.622
3	Total in million units	1165.037	1237.172
4	Traction amount paid ₹ in crores	666.679	747.18
5	Non-traction amount paid ₹ in crores	80.44	85.65
6	Total ₹ in crores	747.12	832.83
7	Traction Average rate ₹./kwh	6.38	6.71
8	Non-traction average rate ₹./kwh	6.71	6.92
9	Total	6.41	6.73

14. Hot Boxes

Stock	Gauge	Year	Total No. of Hot Boxes	Responsibility			No. per Percentage variation over previous year	One million wagon Kms. and Ten Million Vehicle Kms.
				Southern Railway	F. Railway	Un fixed		
Coaches	BG	2013–14	2	1	1	..	..	0.01
		2014–15	7	3	4	..	(-) 250%	0.03
	MG	2013–14	..	..	..	..	..	..
		2014–15	..	..	..	..	..	..
Goods	BG	2013–14	37	5	32	..	..	0.07
		2014–15	29	10	19	..	(+) 21.62%	0.06
	MG	2013–14	..	..	..	..	..	..
		2014–15	..	..	..	..	..	..

Note.— (+) Denotes improvement

(-) Denotes deterioration

15 Shedwise yearly outage—2014–2015 B. G.

Month and Year	TARGET					ACTUAL				
	ED	GOC	ERS	TNP	TOTAL	ED	GOC	ERS	TNP	TOTAL
April	44.7	34.9	3.0	0.3	82.9	40.40	38.00	3.00	2.40	83.80
May	48.3	35.7	2.2	0.3	86.5	44.30	38.60	3.00	0.70	86.60
June	43.8	36.6	5.8	0.2	86.4	45.40	38.50	5.20	1.70	90.80
July	39.3	34.7	9.4	3.6	87.0	45.30	36.70	7.80	2.20	92.00
August	39.9	38.4	10.2	5.3	93.8	44.10	38.40	9.60	4.10	96.20
September	36.3	38.4	9.3	5.3	89.3	41.60	39.70	9.10	3.90	94.30
October	36.3	38.4	9.3	5.3	89.3	40.30	42.80	8.80	4.90	96.80
November	39.9	37.4	9.3	5.3	91.9	43.00	42.50	7.90	4.70	98.10
December	40.8	23.0	9.3	6.1	79.2	43.30	26.20	9.30	5.00	83.80
January	49.0	23.0	0.3	4.3	76.6	44.50	25.20	8.00	5.00	82.70
February	46.2	25.8	7.5	6.1	85.6	46.70	26.80	9.10	5.60	88.20
March	52.5	24.9	6.6	5.2	89.2	50.30	25.80	9.40	5.70	91.20
Total	517.0	391.2	82.2	47.3	1037.7	529.2	419.2	90.2	45.9	1084.5
Average	43.1	32.6	6.9	3.9	86.5	44.1	34.9	7.5	3.8	90.4

VIII. बिजली इंजीनियरी/ELECTRICAL ENGINEERING

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

The following are the figures pertaining to the years 2013-14 and 2014-15 and kWh in Millions :—

Source of Power	Generated (sent out from bus bars)	Purchase		Total	
		2013-14	2014-15	2013-14	2014-15
Energy Purchase from State Electricity Board in million Unit					
(a) General Service					
(i) Tamil Nadu ..	100.028	103.092	..	..	..
(ii) Andhra Pradesh ..	0.606	0.833	..	..	..
(iii) Karnataka ..	1.844	1.960	119.897	123.622	..
(iv) Kerala ..	17.419	17.737	..	..	..
(b) Traction Services					
(i) Tamil Nadu ..	765.900	823.77	..	..	..
(ii) Andhra Pradesh ..	78.450	84.47	..	..	..
(iii) Karnataka ..	..	..	1045.140	1113.55	..
(iv) Kerala ..	200.780	205.31	..	..	..
Total	..	..	1165.037	1237.172	..

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	2013-14	2014-15
(i) Energy Purchase	In Million kWh	1165.03	1237.172
(ii) Total Cost	(₹ in Crores)	747.12	832.83
(iii) Average rate per kWh		6.41	6.73

3. Analysis of total electrical energy consumed for various services in terms of percentage of the total energy purchase 2014-15

	Percentage
a. Major workshops (13.262 Million Units)	1.07
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 (10.898 mu) ..	0.88
(ii) Service Buildings (57.190 mu) ..	4.62
(iii) Yard lighting (2.356 mu) ..	0.19
(iv) Hospital (5.430 mu) ..	0.44
c. Staff quarters and staff welfare buildings, (34.486 mu).	2.79
Traction Services (1113.55 Million Units)	90.01

4. Generating and Purchasing Stations as on 31st March 2015.

Generating Stations : There are no generating stations on this Railway, However, Diesel generating sets of capacities varying from 10kVA to 500kVA are provided at important installations as standby source of supply during interruption of supply from the State Electricity Board sources. Following are the particulars :—

Particulars	No. of DG sets	Cap. in kVA	Purchasing Stations of Supply Points	
			HT	LT
As on 31st March 2014	254	19,286	87	3170
As on 31st March 2015	230	22397	88	3104

5. Electrical Traction Distribution (2014-15)

	Upto 31st March 2014	Upto 31st March 2015
1. Total Route km. Electrified	2,156	2,534
2. Total Track km. Electrified	4,967	5,688

6. A. C. Electric Locomotives

Particulars		Broad Gauge (average for the year)	
		2013-14	2014-15
(i) Total No. of Engine on line ..	..	402.76	430.20
(ii) No. of Engine in use (average per day).	..	..	..
a. Goods Service ..	..	161.50	177.47
b. Passenger Service ..	..	200.25	209.23
c. Shunting ..	..	..	..
d. Departmental ..	..	..	..
e. Banking ..	..	..	..
f. Spare ..	..	0.63	0.50
Total average per day	..	363.38	384.20
(iii) Engine km/day/Engine in line ..	..	587	574
(iv) Engine km/Day/Engine in use ..	..	591	574
(all services).I	..	..	..
(v) Total No. of failure	..	..	..
a. Passenger Service ..	..	65	67
b. Goods Service ..	..	27	43
(vi) Engine km/Engine failure	..	..	..
a. Passenger Service ..	..	721823	733078
b. Goods Service ..	..	1128803	737401
(vii) Total km (Passenger and goods service).	..	77396220	80824519

7. Suburban Electric Multiple Unit Stock—Broad Gauge

	2013-14	2014-15
Holding as on 31st March 2014		
a. In terms of 4 Units (4 Coaches WAU-1 type)	260	269
b. In terms of Coaches (Motor Coaches and trailer Coaches).	525	811
c. Break up of Coaches :—No. of Coaches	..	269MC & 542TC
Motor Coaches ICF Coaches	..	199
(i) Kms. run in terms of single units	34227576	35204666
(ii) Total No. of Failure ..	2	Nil
(iii) Kms/Motor Coaches failure ..	8556894	35204666

8. Electrical General Services Particulars

		2013-14	2014-15
(i) Generating, Converting and transforming Plants.	Nos.	340	340
Transformer capacity in	kVA	152513	165555
(ii) Total connected loads of installations purchasing power from outside sources in kw. (in thousands).		178865	..
(iii) Electrification of stations including block huts		728	728
(iv) Total No. of Motors (other than pump motors in service in major workshops, TL depots, divisional electrical repair shops, Printing Press, etc.,)	Nos.	4884	4913
Capacity		38375	38898
(v) Electrical driven pump	Nos.	1759	1474
(vi) Electrified Quarters	Nos.	27652	25499
Lights		160742	131921
Fans		55931	43217
Plugs		86409	66871
(vii) Service Buildings		97072	96058
Lights		38733	39720
Fans		35294	46804
Plugs		..	..

	2013-14	2014-15
(viii) AC plants and refrigeration's equipments		
AC Plants Nos.	2273	2428
Capacity Tons	5196	4979
Refrigerators Nos.	955	231
Capacity Ltrs.	159485	38919
(ix) Water coolers Nos.	748	647
Capacity Ltrs.	98790	56734
(x) Air Compressors Nos.	120	109
Capacity of Motors in HP	2780	2141
(xi) Welding sets Nos.	845	842
Capacity in Amps	123910	112600
(xii) Battery Chargers Nos.	1019	862
Capacity in Amps	76843	53942
(xiii) Other installations, Miscellaneous viz., Geysers, Water distilling plants etc., Nos.	635	1032
(xiv) Flood light towers in yards—		
No. of Towers	377	394
Wattage KW	3650	63420
(xv) Length of Transmission line (Other than Traction) km.		
HT OH	54	54
UG	191	210.53
LT OH	718	718.70
UG	934	999.95
(xvi) Power line Crossings Nos.	22683	2683
(xvii) No. of lifts	83	89
(xviii) No. of Escalators	39	53

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 2015 are furnished as follows.

Self Generation AC Coaches Population—

Sl. No.	Type of coaches	Population
1	FAC	11
2	FACCW	68
3	ACCW	246
4	CZAC	40
5	ACCN	511
6	SWGAC	3
7	SWGACCN	5
8	SWGAC	3
9	SWG ACCW	3
	Total	890

(b) *Shatabdi/Jan Shatabdi/Garbrath/Duronto Exp. Coaches—*

1	FCZACEN	1
2	CZACEN	Nil
3	WLRRM	7
4	CZ ACJ	10
5	CZACH	4
6	WLRRMDAC	6
7	LCZAC	22
8	LFCZAC	4
9	SWGAC	3
10	LWFAC	2
11	LWACCW	12
12	LWACCN	17
13	WACCW	9
14	WACCN	19
15	WFAC	4
16	LWLRRM	12
17	WCBAC	3
18	ACCNH	30
19	LWCZDAC	14
20	LWCBAC	3
	Total	182

Introduction of New Trains for the period from 01-04-2014 to 31-3-2015.

1. T. No. 16354/16353 Nagarcoil–Kacheguda (Weekly) Exp.

Train No. 16354 Nagarcoil– Kacheguda Exp.	↓	Station	↑	T. No. 16353 Kacheguda– Nagarcoil Exp.
Tue 08.10	D	Nagarcoil	A	Thu 16.00
Wed 14.00	A	Mannargudi	D	Wed 21.10

Composition : WGACCW-1, WGACCN-3, WGSCN-8, GS-4, WCB-1, GSLR-1, GSLRD-1 PM: NCJ
Date of introduction : 20-05-2014.

2. T. No. 16864/16863 Mannargudi–Bhagat-ki-kothi(Jodhpur) weekly Exp.

Train No. 16864 Mannargudi– Bhagat-ki-kothi (Jodhpur) Exp.	↓	Station	↑	T. No. 16863 Bhagat-ki-kothi (Jodhpur) Mannargudi Exp.
Mon 11.30	D	Mannargudi	A	Sat 18.00
Wed 18.00	A	Bhagat-ki-kothi (Jodhpur)	D	Thu 15.00

Composition : WGACCW-1, WGACCN-1, WGGSCN-6, GS-6, GSLR-1
GSLRD-1PM: TPJ

Date of introduction : 09-02-2015

3. T. No. 22655/22656 Thiruvananthapuram–H. Nizamuddin (weekly) Exp. (Via Allappuzha)

Train No. 22655 Thiruvananthapuram– H. Nizamuddin Exp	↓	Station	↑	T. No. 22629 H. Nizamuddin – Thiruvananthapuram Exp.
Wed 01.00	D	Thiruvananthapuram	A	Sun. 14.00
Fri 02.00	A	H. Nizamuddin	D	Fri. 10.05

Composition : WGACCW-1, WGACCN-2, WGSCN-7, GS-6, GSLR-1
GSLRD-1 PM: TVC

Date of introduction : 11-02-2015

4. T. No. 22653/22654 Thiruvananthapuram–H. Nizamuddin (weekly) Exp. (Via Kottayam)

Train No. 22655 Thiruvananthapuram– H. Nizamuddin Exp	↓	Station	↑	T. No. 22629 H. Nizamuddin Thiruvananthapuram– Exp.
Sat 00.30	D	Thiruvananthapuram–	A	Wed 14.00
Mon 02.00	A	H. Nizamuddin	D	Mon 10.05

Composition : WG ACCW-1, WGACCN-2, WGSCN-7, GS-6, GSLR-1
GSLRD-1 PM: TVC

Date of introduction : 14-02-2015

Augmentation (Addition/deletion) in the rake link in the composition of Express trains during the period 2014-2015

Sl. No.	Train No.	From	To	Date of Introduction	Type of AC/ TL coaches	Frequency	Total No. of coaches
1	12617/18	ERS	NZM	17-07-14	ACCN-1	Daily	21
2	12631/32	MS	TEN	21-07-14	ACCN-1	Daily	24
3	12661/62	MS	SCT	22-07-14	ACCN-1	Daily	24
4	12664/63	TPJ	HOW	24-07-14	ACCN-1	Bi-weekly	22
5	16780/79	RMM	TPTY	30-07-14	ACCN-1	Tri-weekly	20
6	16853/54	MS	TPJ	12-08-14	ACCN-1, GSCN-1	Daily	23
7	16859/60	MS	MAQ	12-08-14	ACCN-1, GSCN-1	Daily	23
8	22601/02	MAS	SNSI	22-08-14	ACCN-1	weekly	21
9	22629/30	TEN	BSP	11-09-14	ACCN-1	weekly	17
10	12681/82	MAS	CBE	24-10-14	GSCN-1	weekly	19
11	12689/90	MAS	NCJ	22-11-14	GSCN-2	weekly	18
12	16093/94	MAS	LJN	23-11-14	GSCN-1	Bi-weekly	19
13	16341/42	TVC	GUV	15-12-14	GS-4	Daily	20
14	16659/60	MAQ	NCJ	22-12-14	WGSCZAC-1	Daily	21
15	16734/35	RMM	OKHA	05-01-15	WGSCN-2	weekly	22

Introduction of Incentive Scheme

Progress of introduction of Incentive Scheme :—

Sl. No.	Position as on 31st March 2015	Name of Workshops	
		Perambur	Ponmalai
1.	Total strength to be brought under incentive.	887	335
2	Total No. of men put on incentive in any month during the year.	738	307
3	Balance yet to be covered	149	27
4	Probable date by which the remaining men are to be covered.	The non-incentive men are utilized for non-repeated nature of work and the percentage is more. As and when necessity arises this men will be covered.	Actual staff strength is lesser than the sanctioned incentive man power. The balance will be booked when the vacancies are filled up.
5	Additional lines of production under taken to fully utilize the staff that were declared surplus in the various sections brought under the scheme.	In TLW and LTL shops modifications for passenger amenity are carried out namely IC to FL fitting PABT, Chat light fittings, Laptop charger, extra fans, emergency lights etc. in AC/EVW pantry car equipments POH ed.	Nil
6	Average bonus earned per head per day.	₹ 85.42	₹ 144.35
7	Average increase in productivity during the year 2014-15 the period to the introduction of incentive scheme (In Units)	221 Coach/442 Units # # #	Both AC and Non-AC productivity is not increased. 1500 IOH bogies completed.

- CW and LW are Maintenance/Service shop.

- Staff are deputed to Electrical Millwright shop.

9. Financial Position-Electrical Department**A. Revenue Budget As per the demands for Grants:—**

(Figs. in Lakhs of ₹)

Demand Number and Description	Budget grant 2015-16	Final grant 2014-15
Demand No. 5 Repairs and Maintenance of Motive Power (Electric Loco)	16,208	15,640
Demand No. 6 Repairs and Maintenance of Carriages and Wagons- EMU, TL and AC	36,624	33,467
Demand No. 7 Repairs and Maintenance of Plants and Equipments	21,671	19,864
Demand No. 8 Operating Expenses-Rolling stock and Equipments	36,507	34,540
Demand No. 10. Operating Expenses-Fuel for Electric Traction	90,562	73,570
Demand No.11 Staff Welfare and Amenities - Supply of Energy for Power & lighting (J 580)	2,080	2,003
Total	2,03,652	1,79,084

B. Works Budget :—

Plan Expenditure works controlled by CEE/MAS (Electrical Departments)

(Figs. in Lakhs of ₹)

Demand Number and Description		Budget grant 2015-16	Final grant 2014-15
1	Traffic Facilities	10.01	3.94
2	Other Electrical Works	192.00	397.52
3	Traction Distribution works	1,040	1194.53
4	Workshops	203.27	203.27
5	Staff Amenities	189.68	111.40
6	Passenger Amenities	584.79	771.69
7	Machinery and Plants	214.23	213.11
8	Rolling Stock	1994.46	1090.99
9	Other Specified Works	46.00	9.65
10	Road Safety work	10.00	1.00
Total		4484.44	3997.10

10. Railway Electrification Project**1.0 Energisation 2.2 kV**

Sl. No.	Group No.	Section	RKM	TKM	Date of Energisation
1	158	Netravati (inel) Mangalore Central (incl)	4.431	4.431	31-03-2015
2	158	Mangalore Central (incl) Mangalore Jn. (inel)	4.403	4.403	31-03-2015
3	158	Netravati (inel) Mangalore Jn. (inel)	1.643	1.643	31-03-2015

Total -10.477 RKM 10.477 TKM**2.0) Energisation on 25 kV**

Sl. No.	Section	RKM	TKM	Date of CRS energisation
1	Virudunagar Yard	...	6.202	
2	Coimbatore North Jn. (excl.)- Mettupalaiyam (incl.)	32.240	35.823	24-02-2015
3	Kozhikode (excl.)-Vellaiyil (excl.)	2.946	5.892	20-01-2015
4	Vellaiyil (incl.)-Kannur(excl.)	86.308	187.714	31-03-2015
5	Kannur (incl.)-Nileshwar(excl.)	56.391	128.183	31-03-2015

Total -177.885 RKM 363.814 TKM**3.0) CRS Inspection**

Gr. No.	Section	RKM	TKM	Date of CRS Inspection	Date of CRS Authorisation
155.	Villupuram(excl)-Vellore Cantonment (excl)	150.000	177.000	14-05-14 & 15-05-14	R.12047/7/14 SRDt19-05-14
154	Virudunagar (excl) Vanchimaniyachchi Tuticorin (incl) Vanchimaniyachchi Tirunelveli (excl)	142.181	190.000	10-12-14 & 11-12-2014	R.12047/7/14 SRDt15-12-14
157	Shoranur Jn. (excl) Kozhikode (excl)	83.811	190.754	30-3-15	R.12047/11/15 SRDt31-03-15

Total -375.992 RKM 557.754 TKM**4.0) Commissioning of Traction substation :**

Sl. No.	Group	Name of the TSS	Date of Commissioning
1	157	Shoranur TSS (Provision of 21.6 MVA transformer along with control panel and associated switchgears)-Bay II	16-04-2014
2	154	Kovilpatti	06-10-14

IX. सिग्नल व दूर संचार/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 on the execution of numerous planned works.
2. **Signalling** — The distribution on Inter-locked stations and those provided with Rudimentary Inter-locking on the Railways are as under:—

Gauge As on	Inter-locked stations								Non-Inter-locked Stations		Total No. of Block Stations	
	Std. III/IIR		Std. I/IR		IBS/IBH		Rudimentary		Without Rudimentary		31st March	31st March
	31st March	31st March	31st March	31st March	31st March	31st March	31st March	31st March	31st March	31st March	2014	2015
	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015
BG	416	428	53	47	20	24	0	0	2	2	491	501
MG	0	0	1	1	0	0	5	5	2	2	8	8
TOTAL	416	428	54	48	20	24	5	5	4	4	499	509

Summary as on 31-03-2015

Total No. of Inter-locked stations	428	+	48	+	24	+	5	=	505
Total No. of Non-Interlocked stations	—	—	—	—	—	—	—	=	4
Total No. stations closed for Gauge conversion	—	—	—	—	—	—	—	=	23
Total No. of Block stations :	505	+	4	+	23	—	—	=	532

Note.— 1. This excludes flag & Halt stations but includes Block huts and IBS.

2. Stations in automatic territory where emergency cross over exists and worked from 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) Method of Train Working.—Various systems of train working in vogue with number of block sections as on 31st March 2014 Gauge wise along with corresponding figures for 31st March 2015 are given below :—

Serial No.	System of Train Working	Broad Gauge		Metre Gauge		Total	
		31st March 2014	31st March 2015	31st March 2014	31st March 2015	31st March 2014	31st March 2015
1.	Single Line Token Instrument (No. of Block section)	6	5	8	8	14	13
2.	Tokenless Block Instrument (No. of Block section)	399	401	NIL	NIL	399	401
3.	Paper Line Clear Ticket	..	..	..	..	..	..
a.	Single Line	..	..	..	..	..	..
b.	Double Line	..	..	..	..	..	..
4.	Lock and Block Instrument (No. of Block section)	159	140	NIL	NIL	159	140
5.	Automatic Signalling in Kms.	..	..	..	..	..	..
a.	Track Kilometres	1059.43	1050.09	NIL	NIL	1059.43	1050.09
b.	Route Kilometres	440.28	435.61	NIL	NIL	440.28	435.61
6.	Intermediate Block Signalling in Kms.	223.17	268.70	NIL	NIL	223.17	268.70
7.	Other Systems	..	..	..	..	..	..
a.	Continuous Track Circuiting (Other than Auto signalling)	59.82	101.81	NIL	NIL	59.82	101.81
b.	Twin Single Line	164.76	165.36	NIL	NIL	164.76	165.36

(C) Type of Signalling as on current year 31st March 2015—

Total No. of stations on							
Serial No.	Route	Quadruple Line	Double Line	Third Line	Single Line	Twin Single Line	Total

(i) Two Aspect Semaphore Signalling—

E-Route	..	..	..	1	..	..	1
MG-Route	..	..	..	8	..	..	8
Total	..	..	..	9	..	..	9

(ii) Multiple Aspect Upper Quadrant Signalling—

(a) D-Route	..	..	..	7	..	..	7
E-Route	..	..	..	1	..	..	1
Other (Including MG)	..	..	..	..	..	..	..
Total	..	..	..	8	..	..	8

(iii) Multiple aspect colour light signalling—

Serial No.	Route	Total No. of stations on					Total
		Quadruple Line	Double Line	Third Line	Single Line	Twin Single Line	
'A' Route	..	2	16	4	..	..	22
'B' Route	..	15	130	4	27	7	183
'C' Route	..	..	5	..	..	..	5
'D' Route	..	..	73	..	122	..	195
'E' Route	..	..	..	..	87	..	87
MG	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	492
iv Under Gage Conversion..	..	..	..	23	..	..	23
Total (i)+(ii)+(iii)	..	17	224	8	276	7	532

D. Signalling Assests

	Total No. of Stations						Total
	A-Route	B-Route	C-Route	D-Route	E-Route	MG-Route	
1. Electronic Inter-locking - EI (SSI)	12	41	..	21	6	..	80
2. Route Relay Inter-locking-RR	2	27	3	13	18	..	63
3. Panel Inter-locking-PI or P1/RS	8	91	2	154	57	..	312
4. Centralised Operation by SM's Side Control (CO)	..	7	..	7	5	..	19
5. Lever Frame	..	..	..	..	3	8	11
6. Intermediate Block Signalling IBS/IBH	..	17	..	7	..	..	24
7. Gauge conversion	..	..	..	..	..	23	23
Total	22	183	5	202	89	31	532

(E) (i) Classification of stations as on 31st March 2014—

GAUGE	ROUTE	Special Class		'A' Class		'B' Class			'C' Class		'D' Class		Total
		Third/ Double/ Quadruple Line	Single Line	Double Line	Single Line	Double Line	Single Line/ Twin Single Line	Single Line	Double Line	Single Line	Double Line	Single Line	
		BG		BG		BG		MG	BG		BG		
BG	A	22	—	—	—	—	—	—	—	—	—	—	22
	B	51	—	—	—	79	32	—	17	—	1	—	180
	C	5	—	—	—	—	—	—	—	—	—	—	5
	D	8	1	—	—	62	127	—	7	—	—	—	205
	E	—	1	—	—	—	88	—	—	—	—	—	89
	MG	—	—	—	—	—	—	—	—	—	—	—	0
	TOTAL	86	2	0	0	141	247	0	24	0	1	0	501
MG	S3	—	—	—	—	—	—	8	—	—	—	—	8
	TOTAL	—	—	—	—	—	—	8	—	—	—	—	8

(E) (ii) Summary of Classification of stations as on 31st March 2015—

BG	80	2	..	..	141	247	0	24	0	1	0	501
MG	..	..	..	..	..	..	8	..	..	..	..	8
Total Number of Stations												509

Total Number of Block working stations .. 509

Total Number of Stations closed for Gauge Conversion .. 23

Total .. 532

(G) Level Crossing Gates—With Lifting Barriers.—

(Total No. of Gates as on 31st March 2015)

Sl. No.	Safety Devices provided	Special Class		'A' Class		'B 1' Class		'B 2' Class		C' Class		Total	
		W.S.L.	O.S.L.	W.S.L.	O.S.L.	W.S.L.	O.S.L.	W.S.L.	O.S.L.	W.S.L.	O.S.L.	W.S.L.	O.S.L.
1. a	Lifting Barriers	162	256	53	108	13	43	31	47	206	706	465	1160
b	Telephone	167	267	57	114	16	48	32	51	253	838	525	1318

(Total No. of Manned Gates as on 31st March 2015).—Route Wise

Sl. No.	Route/Safety Devices provided	Special Class		'A' Class		'B 1' Class		'B 2' Class		C' Class		Total	
		W.S.L.	O.S.L.	W.S.L.	O.S.L.	W.S.L.	O.S.L.	W.S.L.	O.S.L.	W.S.L.	O.S.L.	W.S.L.	O.S.L.
1.	'A' Route—												
	(a) Lifting Barriers	10	6	1	4	1	2	0	2	11	20	23	34
	(b) Telephone	10	7	1	4	1	2	0	2	11	20	23	35
2.	'B' Route—												
	(a) Lifting Barriers	46	83	15	10	2	4	11	13	48	124	122	234
	(b) Telephone ..	46	83	15	10	3	4	11	14	51	127	126	238
3.	'C' Route—												
	(a) Lifting Barriers	1	0	0	0	0	0	0	0	0	0	1	0
	(b) Telephone ..	2	0	0	0	0	0	0	0	0	0	2	0
4.	'D' Route—												
	(a) Lifting Barriers	69	130	28	70	6	29	10	20	85	341	198	590
	(b) Telephone ..	69	136	30	73	8	31	11	22	95	371	213	633
5.	'E' Route—												
	(a) Lifting Barriers	34	37	9	23	4	8	9	12	57	213	113	293
	(b) Telephone ..	38	38	10	26	4	10	9	13	64	255	125	342
6.	MG Route—												
	(a) Lifting Barriers	2	0	0	1	0	0	1	0	5	8	8	9
	(b) Telephone ..	2	3	1	1	0	1	1	0	32	65	36	70

(ii) Non-Inter locked Gates—

Route	Total No. as on 31st March 2014					Total
	Special Class	'A' Class	'B1' Class	'B2' Class	'C' Class	
Trunk Route and Important Main Line :						
1. 'A' & 'B' Route on B. G.	2	..	1	1	67	71
2. 'Q' & 'R' Route on M. G.	..	..	..	..	..	..
Others ..	4	8	13	11	516	552
Total	6	8	14	12	583	623

(iii) Unmanned Gates.—As on 31st March 2014

Sl. No.	Section	No. of Unmanned Gates	
(1)	Single line	..	678
(2)	Double line	..	42
Total	..	..	720

H. Tele-communication Narrative Report—2014-15

(I) Exchanges

Sl. No.	Exchanges	Auto Exchanges	Inter-com.	Remarks
(1)	Total No. of Exchanges	78	47	..
(2)	Telephone Lines (in service)	14,373	2,569	..

(II) Traffic Control Including Area Control

Section Control
Details of Control Alignment/Cable

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

a) RE Quad Telecom Cables

1. Chennai	Villivakkam - Annanagar	3.09
Total		3.09

b) OFC + RE Quad Cable

1. Chennai	Chennai Beach - Thirumayilai	8.66
2. Chennai	Chennai Beach - Basin Bridge	4.66
3. Salem	Mavelipalayam - Erode Jn.	26.16
4. Salem	Erode - Coimbatore	100.54
5. Salem	Irugur - Podanur - Coimbatore	16.77
6. Palakkad	Podanur - Palakkad	48.26
7. Palakkad	Palakkad - Shoranur	44.49
Total		249.54

c). OFC + 4 QUAD

1. Chennai	Chennai - Gudur	136.04
2. Chennai	Chennai Beach - Padalam	59.84
3. Chennai	Thirumayilai - Tiruvannamiyur - Velachery	10.69
4. Salem	Erode - Karur - Tiruchchirappalli	137.16
5. Palakkad	Shoranur - Kozhikode - Mangalore	307.07
6. Palakkad	Mangalore - Padil	2.00
7. Thiruvananthapuram	Shoranur - Thrissur - Ernakulam	106.85
8. Thiruvananthapuram	Ernakulam-Kottayam-Kayankulam.	114.66
9. Thiruvananthapuram	Ernakulam-Allappuzha-Kayankulam.	100.34
10. Thiruvananthapuram	Ernakulam - Cochin Harbour Terminus.	7.75
11. Thiruvananthapuram	Kayankulam - Kollam	40.84
12. Thiruvananthapuram	Kollam - Thiruvananthapuram Central.	64.30
13. Tiruchchirappalli	Villupuram - Tiruchchirappalli	177.53
14. Tiruchchirappalli	Tiruchchirappalli - Thiruvavur	49.80
15. Tiruchchirappalli	Tiruchchirappalli- Tiruchchirappalli Fort.	3.94
16. Madurai	Tiruchchirappalli - Madurai	157.39
Total		1476.20

Sl.No.	Division	Section	Route Kms
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d) OFC + 6 QUAD

1 Chennai	Chennai - Tirunindravur - Tiruvallur	41.65
2 Chennai	Tiruvallur - Arakkonam	26.83
3 Chennai	Arakkonam-jolarpettai Jn	144.59
4 Chennai	Arakkonam-Renigunta	66.30
5 Chennai	Arakkonam - Chengalpattu	62.96
6 Chennai	Chengalpattu - Villupuram	102.92
7 Salem	Salem - Jolarpettai	120.04
8 Salem	Salem - Mavelipalayam	33.09
9 Salem	Salem-Mettur Dam	40.25
10 Salem	Salem-Namakkal-Karur	85.12
11 Salem	Salem-Vridhachalam	42.30
12 Salem	Erode - Coimbatore	100.14
13 Salem	Coimbatore - Mettupalaiyam	35.51
14 Salem	Podanur - Coimbatore	6.00
15 Salem	Mettupalaiyam -Udagamamandalam	45.88
16 Salem	Karur-Dindigul	73.97
17 Salem	Podanur - Kinathukadavu	24.81
18 Palakkad	Shoranur-Nilambur	65.80
19 Palakkad	Mangalore - Padil	5.70
20 Palakkad	Pollachi-Kinathukadavu	21.16
21 Tiruvananthapuram	Thrissur-Guruvayur	22.63
22 Tiruvananthapuram	Thiruvananthapuram -Nagercoil	71.05
23 Tiruvananthapuram	Nagercoil-Tirunelveli	73.29
24 Tiruvananthapuram	Nagercoil-Kanniyakumari	15.51
25 Tiruchchirappalli	Villupuram-Puducherry	37.30
26 Tiruchchirappalli	Villupuram - Vellore	150.23
27 Tiruchchirappalli	Katpadi - Vellore.Cantonment	9.90
28 Tiruchchirappalli	Cuddalore - Vridhachalam	57.30
29 Tiruchchirappalli	Mayiladuthurai - Tiruvarur	37.91
30 Tiruchchirappalli	Tiruvarur-Nagore	30.37
31 Tiruchchirappalli	Nagore - Karaikkal	12.00
32 Tiruchchirappalli	Nidamangalam - Mannargudi	13.41
33 Tiruchchirappalli	Nagapattinam - Velankanni	10.32
34 Madurai	Madurai-Manamadurai-	
	Rameswaram	161.49
35 Maduraia	Madurai-Tuticorin-Tirunelveli	188.22
36 Maduraia	Manamadurai-Virudhunagar	66.55
37 Madurai	Virudhunagar-Srivilliputtur - Tenkasi	122.16
38 Madurai	Tirunelveli- Tiruchendur	61.21
39 Madurai	Tirunelveli-Tenkasi	72.02
40 Madurai	Tenkasi - Shengottai	7.83
41 Madurai	Dindigul-palani	58.30
42 Madurai	Palani - Pollachi	62.90
43 Madurai	Punalur - Kollam	44.98
TOTAL		2531.90

e). Railway 4 QUAD alone

1. Tiruchchirappalli	Tiruvarur - Karaikudi	148.99
Total		148.99

f). Railway 6 QUAD alone

1 Chennai	Pattabiram East Siding - Pattabiram East Cabin	2.03
2 Palakkad	Padil - Panambur	16.71
3 Tiruchchirappalli	Villupuram - Cuddalore Port - Mayiladuturai	121.78
4 Tiruchchirappalli	Mayiladuturai -Kumbakonam.	31.10
5 Tiruchchirappalli	Kumbakonam - Thanjavur	39.35
6 Tiruchchirappalli	Vridhachalam-Salem	96.58
7 Madurai	Tiruchchirappalli - Karaikkudi	89.35
8 Madurai	Karaikkudi-manamadurai	61.16
Total		458.06

CONTROL SECTIONS

Division	Section
Chennai	Chennai – Thiruvallur
	Chennai – Thiruvallur – Katpadi
	Chennai – Katpadi – Jolarpettai
	Chennai – Arakkonam – Renigunta
	Chennai – Gudur
	Chennai Beach – Villupuram
	Chengalpattu – Arakkonam
	Chennai Beach – Tambaram
	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	Thiruvananthapuram – Kollam – Ernakulam
	Kollam – Ernakulam – Shoranur, Ernakulam – Alleppey – Kayankulam – Kochi Harbour Terminus
	Kollam – Thiruvananthapuram – Kanyakumari – Nagercoil – Tirunelveli
Tiruchchirappalli	Tiruchchirappalli – Villupuram – Katpadi, Villupuram – Puducherry, Cuddalore – Villupuram, Vriddhachalam – Cuddalore
	Tiruchchirappalli – Vriddhachalam – Villupuram, Tiruchchirappalli – Thanjavur – Kumbakonam – Mayiladuthurai – Cuddalore
	Tiruchchirappalli – Thanjavur – Thiruvarur – Nagore, Thiruvarur – Mayiladuthurai, Thiruvarur – Thiruthurai – Karaikudi
	Madurai – Dindigul – Tiruchchirappalli – Dindigul – Pollachi
Madurai	Madurai – Virudunagar – Vanchi Maniyachi, Tuticorin – Vanchi Maniyachi – Tirunelveli,
	Madurai – Manamadurai – Rameswaram, Manamadurai – Virudunagar, Manamadurai – Karaikudi – Tiruchchirappalli, Virudunagar – Tenkasi, Tenkasi – Kollam, Tenkasi – Tirunelveli, Tirunelveli – Tiruchendur.

BSNL PHONE AT STATIONS

Provision of BSNL phones at all stations.

S.No.	Division	Number of Stations Provided with BSNL Phones
1.	Chennai	104
2.	Salem	79
3.	Palakkad	65
4.	Thiruvananthapuram	71
5.	Tiruchchirappalli	87
6.	Madurai	111
	Total	517

RAILNET CONNECTIVITY

S.No.	Connectivity	No. of locations Provided with Railnet
1.	LAN connectivity	70 Nodes
2.	Internet Gateway Connection	90 MB + 10 MB through RCIL

PRS & UTS

Division	PRS Locations	UTS Locations
Chennai	46	129
Salem	22	79
Palakkad	34	60
Thiruvananthapuram	62	72
Tiruchchirappalli	33	109
Madurai	41	117
	Total	238
		566

III – PASSENGER AMENITIES

S.No.	Telecom Items	Numbers
1.	PC based PA system	83
2.	Clocks [QUARTZ]	GPS clocks provided at 113 Stations
3.	Coach Guidance System	41
4.	Train Display Board	105
5.	Conventional PA System	272
6.	Touch screens	84
7.	POET	34

IV – SATELLITE PHONES—9

V – FOIS ,CMS & COIS

1.	FOIS	145 Locations
2.	COIS	53 Locations
3.	CMS	24 Locations
4.	V – SAT Connectivity	9 Locations

VI – VOICE RECORDER IN CONTROL OFFICE

Voice Recorders are provided on all the 23 Section controls and 8 Traction Power Control in all Divisions.

VII – CUG PHONES

8218 CUG SIM cards of M/S. AIRTEL are provided for Officers & Staff in all Divisions, Headquarters office, project and Construction wing.

VIII – VIDEO CONFERENCE

1. Video conferencing arrangements in Headquarters and all divisions is connected through OFC Ethernet media with ring protection.
2. CRB with GMs Video Conferencing system is connected through OFC MPLS Network between Chennai and New Delhi.
3. Video Conferencing arrangements provided between ML/Railway Board to CSTE & CCE.

PERFORMANCE OF TELECOMM CIRCUITS

S. No.	Name of The Circuit	2014-15 Performance in %
a.	Average Efficiency of Control Circuits on Railway OFC Circuit	99.91
	Operating	99.98
b.	Average Efficiency of Control Circuits on Railway Quad Cable Circuit	99.98
	Operating	99.99
c.	Average Efficiency of Control Circuits on Railway RE Cable Circuit	99.51
	Operating	99.71
d.	Average Efficiency of Control Circuits on (Railway OH Link) Circuit	No Circuit
	Operating	No Circuit
e.	Average Efficiency of Control Circuits (BSNL OH Link) Circuit	No Circuit
	Operating	No Circuit

3. MATTER RELATING TO TELE-COMMUNICATION WORKS—OFC WORKS

Sl. Nos.	Description of Work	Year of Programme	Estimated cost ₹ (in lakhs)	Physical progress upto 31st March 2014	Remarks
OFC WORKS					
1.	Vriddhachalam - Salem (OFC and STM-1 with MUX)	2010-11	478.61 DF3	31%	Work is in progress.
2.	Vriddhachalam - Cuddalore Jn. (OFC and STM-1 with MUX)	2011-12	222.34 DF3	60%	Work is in progress.
3.	Salem - Coimbatore - Provision of 6 Quad Cable in lieu of Re Cable 153 Kms.	2012-13	947.18 DRF	75%	Work is in progress.
4.	Villupuram Jn. - Thanjavur Jn. - OFC work (192 Kms)	2012-13	770.86 DF3	25%	Work is in progress.
OTHER SPECIFIED WORKS					
1.	Southern Railway - Integrated Security System at TVC, ERS, MDU, CBE, TPJ, CLT & MAQ. (7 stations)	2010-11	3050.09 CAP	—	Work is in progress.
2.	Southern Railway - Integrated Security System at MAS, BBQ, TRL, MSB, MS, MBM, & TBM. (7 stations)	2010-11	1110.40 CAP	—	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 ₹	Physical progress upto 31st March 2014.	Remarks
1.	Chennai Division - Public address system in suburban trains (66 rakes).	2009-10 Supple- mentary	647.81 DF(1)	55%	Work is in progress.
2.	Vijayamangalam & Totiyapalayam - Replacement of 2009-10 Signalling by Electronic Interlocking	2009-10 Supple- mentary	576.57 DRF	30%	Revised Estimate sanctioned.
3.	Karamadai & Mettupalayam - Replacement of Multi Aspect Upper Quadrant Signalling by Electronic Interlocking	2009-10 Supple- mentary	633.83 DRF	90%	Karamadai completed and commissioned on 24.03.2014. Mettupalayam station is nearing completion and likely to be commissioned.
4.	Basin Bridge - Arakkonam section (Slow line) - Provision of Train Protection Working system (TPWS).	2010-11 Supple- mentary	3081.42 DF(4)	10%	Modified estimate sanctioned. Joint site survey along with contract executing staff is in progress.
5.	Southern Railway - Train Management System on Chennai Beach-Sulurpetta, Chennai Beach-Velachery, Chennai beach-Chengalpeta and Chennai Central-Arakkonam sections.	2010-11 Supple- mentary	385832 DF(3)	—	Railway board has not indicated whether work can be taken up.
6.	Salem Division - VRI - SA section - Provision of Optic Fibre Cables and STM-I with MUX.	2010-11	478.62 DF(3)	31%	Detailed Estimate is sanctioned and work is in progress.
7.	Palakkad Division - Mankara, Mannanur, Ottapalam, Parli & Lakkiti - Replacement of Panel interlocking arrangement by Route setting type - B route.	2010-11	1637.05 DRF	20%	Detailed Estimate is sanctioned and work is in progress.

Sl. No.	Description of Work	Year of Programme	Estimated cost (in lakhs) of ₹	Physical progress upto 31st March 2014	Remarks
8.	Tiruvananthapuram Division – Replacement of signalling assets by Panel Interlocking at Angamali for Kaladi.	2010-11	264.57 DRF	20%	Detailed Estimate is sanctioned. Work will be executed by Construction.
9.	Tiruchchirappalli Division - Provision of OFC and STM-I with MUX at VRI-CUPJ section - Provision of OFC and STM-I with MUX - 57 Kms	2010-11	222.34 DRF	60%	Work in progress.
10.	Salem Division - Replacement of Signalling gears by Route Setting type Type Panel Interlocking (4 stations) (D-Route) in KRR-TPJ section. At Mahadanapuram, Perugamani, Elamannur and Muttarasanallur stations.	2011-12	1505.00 DRF	—	Revised Estimate sanctioned. Tender is under finalisation.
11.	Salem Division - Karur - Dindigul & Omalur - Mettur Dam - Block Proving by Axle Counters in Panel/Route Relay Interlocked Sections (7 block sections)	2011-12	247.49 DF(4)	40%	Work commissioned and completed between Velliyanai and Palaiyam and Dindigul Jn.-Eryodu sections. Work is in progress at balance 5 block sections.
12.	Tiruvananthapuram Division – Replacement of SM's Slide Operation of operation of Signals & points by Panel Interlocking at Punkunnam station.	2011-12	4251 DRF	—	Estimate is being revised for revision in engineering estimate. Contract awarded for Electronic Interlocking.
13.	Tiruchchirappalli Division - Replacement of Panel interlocking at Tiruchchirappalli Fort station.	2011-12	303.95 DRF	25%	Revised Estimate is sanctioned on 29.07.2013. S&T Contract has been awarded.
14.	Arakkonam - Jolarpettai - Train Protection & Warning system - 150 RKM.	2012-13	11232.00 DF(4)	—	Work will be executed by Indian Railway Project Management Unit (IRPMU) at New Delhi.
15.	Chennai beach - Tambaram - Chengalpattu - Train Protection & Warning system - 150 RKM.	2012-13	4263.00 DF(4)	—	Work will be executed by Indian Railway Project Management Unit (IRPMU) at New Delhi.
16.	Lalapet – Replacement of Multi Aspect Upper Quadrant Signalling by Panel Interlocking	2012-13	409.39 DRF	—	Revised Estimate sent to accounts for vetting.
17.	Salem Division – Replacement of Universal Axle Counter with Single Section Digital Axle Counters (5 Intermediate Block Sections)	2012-13	708.51 DRF	—	Detailed Estimate is under revision.
18.	Mayanoor – Replacement of Multi Aspect Upper Quadrant Signalling by Panel Interlocking	2012-13	403.55 DF(3)	—	Revised Estimate sanctioned. Tender is under finalisation.
19.	Walaja Road – Jolarpettai & Chennai Beach – Velacherry – Remote Terminal Unit with Network arrangement.	2012-13	968.61 DF(3)	25%	Detailed Estimate is sanctioned on 28.02.2013. Work is in progress on KPD-JTJ section. 6 Nos. Of RTUs commissioned WJR-JTJ section.
20.	Chennai Division – Replacement of Point Machines	2012-13	400.00 DRF	40%	Detailed Estimate is sanctioned and work is in progress.
21.	Villupuram – Thanjavur – Optic Fibre Cable (192 Kms.)	2012-13	770.86 DRF	25%	Detailed Estimate is sanctioned and work is in progress.
22.	Salem – Coimbatore – 6 Quad Cable in lieu of RE Cable	2012-13	947.18 DRF	75%	Detailed Estimate is sanctioned and work is in progress.
23.	Chennai Division Provision of Invertors at Stations for signals to avoid blanking of Signal Phase-I	2012-13	221.06 DF(4)	10%	Detailed Estimate is sanctioned and work is in progress.
24.	Chennai Division Dual Detection track circuit for improvement of track circuit with multi section digital axle counters at Royapuram, Pattabiram East and Veysarpadi.	2012-13	248.47 DF(4)	—	Detailed Estimate sanctioned. Survey for physical work is in progress.

Sl. No.	Description of Work	Sanctioned in the Year	Estimated cost in lakhs of ₹	Physical progress upto 31st March 2014	Remarks
25.	Chennai Division – Replacement of Electro Mechanical Signalling arrangements - 1 Station – B - Route and 3 Stations- E-Route	2013-14	875.80 DRF	—	S&T Estimate is ready. Engineering & Electrical sub estimate awaited from Division.
26.	Southern Railway – Integrated Power Supply (131 left over Stations)	2013-14	1430.45DF(4)	—	Detailed Estimate sanctioned. Indent for 131 stations has been sent of accounts for vetting.
27.	Palghat Division – Dual Detection by Single Section Digital Axle Counters at track circuits and provision of earth leakage detector.	2013-14	370.41DF(4)	—	Detailed Estimate sanctioned.
28.	Palghat Division – Provision of Redundancy for track detection using multi section digital axle counter (MSDAC) at KOZHIKODE (CLT) station.	2013-14	98.62DF(4)	—	Detailed Estimate is under preparation.
29.	Chennai Division: Chennai Beach – Villupuram, Arakkonam-Jolapettai Jn. & Chennai - Gudur - Back up power supply auto sections.	2014-15	1452	—	Detailed Estimate is under preparation.

SL. No.	DESCRIPTION OF ITEMS	TOTAL AS ON 31-3-2014	ADDED DURING 2014-15	TOTAL AS ON 31-3-2015	SL. No.	DESCRIPTION OF ITEMS	TOTAL AS ON 31-3-2014	ADDED DURING 2014-15	TOTAL AS ON 31-3-2015
1.	Token Block Working (No. of Block Sections)	14	-1	13	12.	Route Relay Interlockings (No. of stations)	65	-2	63
2.	Tokenless Block Working (No. of Block Sections)	399	2	401	(i) Stations with MACLS Signals	65	-2	63	
(i)	Block working with continuous track circuiting	20	6	26	(a) Standard – I/IR Interlocking	21	-2	19	
(ii)	Block working with one train only system	0	0	0	(b) Standard – II Interlocking	0	0	0	
3.	Lock & Block Working (No. of Block Sections)	159	-19	140	(c) Standard – III/IR Interlocking	44	0	44	
4.	Intermediate Block Signal (No. of Block Sections)	20	4	24	13.	Panel Interlocking No. of stations.	—	—	—
(i)	On Double Line	20	4	24	(A) Panel Interlocking (END PANELS)	—	—	—	
(ii)	On Single Line	0	0	0	(No. of stations)	—	—	—	
5.	Block Proving by Axle-counters (No. of Block Sections)	444	-119	325	(i) Stations with MACLS Signals (No. of stations)	—	—	—	
(i)	Single Line section	190	8	198	(a) Standard – I Interlocking	—	—	—	
(a)	BPAC - Block panel	0	0	0	(b) Standard – II Interlocking	—	—	—	
(b)	BPAC - Axle Counter with Block Instrument.	190	8	198	(c) Standard – III Interlocking	—	—	—	
(ii)	Double Line section	254	-127	127	(ii) Stations with Semaphore Signals (No. of stations)	—	—	—	
(a)	BPAC - Block panel	0	0	0	(a) Standard – I Interlocking	—	—	—	
(b)	BPAC - Axle Counter with Block Instrument.	254	-127	127	(b) Standard – II Interlocking	—	—	—	
6.	Colour Light Signalling (Stations)	482	10	492	(c) Standard – III Interlocking	—	—	—	
(i)	Multiple Aspect	482	10	492	(B) Panel Interlocking (CENTRAL PANELS) (No. of stns.)	333	-3	330	
(ii)	2-Aspect	0	0	0	(i) Stations with MACLS Signals (No. of stns)	326	-3	323	
7.	Semaphore Signalling (Stations)	17	0	17	(a) Standard – I Interlocking	22	-4	18	
(i)	MAUQ	8	0	8	(b) Standard – II Interlocking	0	0	0	
(ii)	MLQ	0	0	0	(c) Standard – III Interlocking	304	1	305	
(iii)	LQ	9	0	9	(ii) Stations with Semaphore Signals (No. of stns)	7	0	7	
8.	Automatic Block Working	—	—	—	(a) Standard – I Interlocking	2	-2	0	
(i)	Track Kms	1059.43	-9.34	1050.09	(b) Standard – II Interlocking	0	0	0	
(ii)	Route Kms	440.28	-4.67	435.61	(c) Standard – III Interlocking	5	2	7	
9.	Automatic Permissive Block Working	—	—	—	14.	Lever Frames (No. of stations)	11	0	11
(i)	Track Kms	—	—	—	(i) With MACLS Signals	1	0	1	
(ii)	Route Kms	—	—	—	(a) Standard-I Interlocking	1	0	1	
10.	Safety Devices at Level-Crossings (Nos.)	—	—	—	(b) Standard –II Interlocking	0	0	0	
(i)	Interlocking at Level Crossings (Nos)	1185	34	1219	(c) Standard –III Interlocking	0	0	0	
(ii)	Lifting Barriers at Level-Crossings (Nos)	1641	-16	1625	(d) Non-Interlocked	0	0	0	
(iii)	Non-Interlocked Level Crossings	409	88	497	(e) Modified Non-Interlocked	0	0	0	
(iv)	Telephone at Level-Crossings (Nos)	1825	18	1843	(ii) Stations with Semaphore Signals (DOUBLE-WIRE) (MAUQ) (No. of stns)	1	-1	0	
(v)	Train Actuated Warning System (Nos)	26	0	26	(a) Standard-I Interlocking	0	0	0	
(a)	At Unmanned Gates (Nos)	20	0	20	(b) Standard –II Interlocking	0	0	0	
(b)	At Manned Gates (Nos)	6	0	6	(c) Standard –III Interlocking	0	1	1	
11.	A. Total No of Interlocked Stations (Nos.)	499	10	509	(iii) Stations with Semaphore Signals (SINGLE-WIRE) (LQ) (No. of stations)	9	0	9	
(i)	Non-interlocking Stations	4	0	4	(a) Standard - I Interlocking	2	0	2	
(ii)	Modified Non-Interlocked Stations	5	0	5	(b) Standard – II Interlocking	0	0	0	
(iii)	Block Hut with Station Master/BS	20	4	24	(c) Standard – III Interlocking	0	0	0	
(iv)	Interlocking Stations (a+b+c+d+e)	470	6	476	(d) Non-Interlocked	2	0	2	
(a)	Standard-I (Nos)	53	-5	48	(e) Modified Non-Interlocked	5	0	5	
(b)	Standard-II (Nos)	0	0	0	15.	Solid State interlocking (No. of stations)	69	11	80
(c)	Standard-III (Nos)	228	-81	147	16.	(i) Auxiliary Warning System (AWS or TPWS) (Route Kms)	0	48.59	48.59
(d)	Standard-II(R) (Nos)	189	91	280	(ii) (Track Kms)	50	-47.18	97.18	
(B) Total No of Stations (Nos.)	499	10	509	b) Equipments	—	—	—	—	
(i)	Special Class stations	82	6	88					
(ii)	'A' Class stations	0	0	0					
(iii)	'B' Class stations	396	0	396					
(iv)	'B' Class stations without loop	0	0	0					
(v)	'C' Class stations	20	4	24					
(vi)	'D' Class stations	1	0	1					
(vii)	'DK' Class stations	0	0	0					

SL. No.	DESCRIPTION OF ITEMS	TOTAL AS ON 31-3-2013	ADDED DURING 2013-14	TOTAL AS ON 31-3-2014
17.	Second Distant Signal (No of stations)	---	---	---
	(i) Stations with MACLS Signals	---	---	---
	(ii) LC Gates	---	---	---
	(iii) Intermediate Block Signals	---	---	---
18.	Track Circulating (No. of locations)	488	-12	476
	(i) FM to FM	488	-12	476
	(ii) FM to BSL (St)	488	-12	476
	(iii) FM to BSL (T/O)	488	-12	476
	(iv) FM to Home (St)	228	-3	225
	(v) FM to Home (T/O)	488	-12	476
	(vi) Loop line	295	11	306
	(vii) Others (Calling-on, Approach Track circuits etc)	3	-3	0
19.	No. of Semaphore Signals Lit with Solar Power (Nos.)	1388	12	1400
20.	AFTC (Nos)	---	---	---
21.	HFTC (Nos)	---	---	---
22.	DIGITAL AXLE-COUNTERS (Nos)	---	---	---
	(i) Single Entry	444	40	484
	(a) Stations/Sections	888	80	968
	(b) Equipments	---	---	---
	(ii) Multi Entry	---	---	---
	(a) Stations	---	---	---
	(b) Equipments	---	---	---
23.	ANALOG AXLE-COUNTERS (Nos.)	---	---	---
	(i) Single Entry	19	-3	16
	(a) Stations	38	6	44
	(b) Equipments	---	---	---
	(ii) Multi Entry	---	---	---
	(a) Stations	---	---	---
	(b) Equipments	---	---	---
24.	MICROTRAX (Nos.)	---	---	---
25.	LED Lit Semaphore Signals (Nos.)	---	---	---
	(a) No of Stations	---	---	---
	(i) With conventional power	---	---	---
	(ii) With Solar Power	---	---	---
	(iii) With Primary Batteries	---	---	---
	(b) No of Signals	---	---	---
	(i) Conventional power	---	---	---
	(ii) Solar Power	---	---	---
	(iii) With Primary Batteries	---	---	---
26.	Electrically lit semaphore signals (Nos.)	---	---	---
	(a) No of Stations	---	---	---
	(i) With conventional power	---	---	---
	(ii) With Solar power	---	---	---
	(iii) With primary Batteries	---	---	---
	(b) No of Signals	---	---	---
	(i) With conventional power (Nos.)	---	---	---
	(ii) With Solar power (Nos.)	---	---	---
	(iii) With primary Batteries	---	---	---
27.	LED Lit MACLS Signals (Nos.)	476	14	490
	(a) Stations	9251	158	9409
	(b) Signals	25244	313	25557
	(c) Aspects	---	---	---
28.	Tripple pole Signal lamps (Nos.)	5	-5	0
	(a) Stations	40	-40	0
	(b) Signals	92	-92	0
	(c) Aspects	422	34	456
29.	Calling-On Signals (No of Stns)	471	7	478
30.	Data-loggers (Total)	0	2	2
	(i) Stand Alone (Nos.)	471	5	476
	(ii) Networking Mode (Section / Nos.)	169	25	194
31.	Integrated Power Supply (No of stns)	0	0	0
	(i) SCR Based (No of stns)	169	25	194
	(ii) SMPS Based (No. of stns)	5677	135	5812
32.	Point Machines (Nos)	5628	139	5767
	(i) IRS Type	0	0	0
	(ii) Siemens Type	36	0	36
	(iii) Clamp Type	13	-4	9
	(iv) Other	9593	63	9656
33.	Colour Light Signalling (Nos.)	5661	31	5692
	(i) Multi aspect	3932	32	3964
	(ii) Two aspect	129	-3	126
34.	Semaphore Signalling (Nos.)	91	0	91
	(i) MAUQ	0	0	0
	(ii) MLQ	38	-3	35
	(iii) LQ	81196	1533	82729
35.	Batteries (Nos)	4070	-796	3274
	(i) 2V Cells 40 AH	36361	1288	37649
	(ii) 2V Cells 80 AH	0	0	0
	(iii) 2V Cells 100 AH	12448	1654	14102
	(iv) 2V Cells 120 AH	20812	-555	20257
	(v) 2V Cells 200 AH	1787	66	1853
	(vi) 2V Cells 300 AH	5605	-160	5445
	(vii) 2V Cells 400 AH	0	0	0
	(viii) 2V Cells 500 AH	0	0	0
(ix)	2V Cells 600 AH	113	-46	67
	(b) (i) Battery Set 12/24 V	0	82	82
	(ii) Battery Set 4/24 V	4337782	-81221	4256561
36.	ZISTUS	5079.00	0.00	5079.00
37.	Total Route KMS on Railway	6844.00	106.00	6950.00
38.	Total Running Track KMS on Railway	209	101	310
39.	Total Interlocked Stations (R)	20	10	30
	(a) Standard I Interlocking (R)	169	91	260
	(b) Standard II Interlocking (R)	0	0	0
	(c) Standard III interlocking (R)	0	0	0
	(f) Standard IV interlocking (R)	0	0	0

5. Signal Equipment Failures

Sl. No.	Signal Failures	Number of Failures			
		Previous Year 2013-14		Current Year 2014-15	
		Nos.	%	Nos.	%
I.	On Signal Account :-				
	(a) In colour light Signalling area	3,859	58.94	3,784	64.63
	(b) In semaphore signalling area.	0	0	0	0.00
	Sub-Total	3,859	58.94	3,784	64.63
II.	On Account of others :-				
1.	Operating Department	505	7.71	374	6.39
2.	Mechanical Department	15	0.23	13	0.22
3.	Engineering Department	756	11.55	609	10.40
4.	Electrical Department	134	2.05	78	1.33
5.	D. O. T.	1	0.02	0	0.00
6.	Miscreant	136	2.08	136	2.32
7.	Miscellaneous	665	10.16	692	11.82
8.	S & T Construction	476	7.27	169	2.89
	Sub-Total	2688	41.06	2071	35.37
	Total (I + II)	6547		5855	

The percentage is worked out based on the grand total number of signal and inter-locking failures both on S & T account and other account 5855.

6. S & T Workshop-Podanur

Introduction:

Signal and Telecommunication Workshop/Podanur was set up on 09/04/1958 to serve as a manufacturing-cum repairing unit for Signal equipments. Initial activities were confined to manufacture of Mechanical Signalling equipments like Lever frames, Levers and Accessories. Subsequently the repairing and overhauling of Electric Signal reversers, Single Line Block Instrument and Electro Mechanical Signalling Equipments like Shelf Type Relays were taken up for production. Since then this workshop has grown in to a major manufacturing unit for Signal and Telecommunication products and supplies the same to the entire Indian Railways.

The workshop is managed by Chief Workshop Manager (CWM) with a team of Officers comprising of 06 S&T Officers, 02 Stores officer and 01 Personnel Officer.

Development of Signalling Relays and Electronic Axle counters :

Gradually the production of Shelf Type Relays has been dispensed with and production of modern Signalling items like Q' Type Relays, Axle Counters, Electronic timers, Control Panels etc. were taken up for production in this workshop with complete indigenous components which has helped in the commissioning of Modern Signalling like Route Relay an control panel Inter-locking in various Railways.

Production items :

Presently the workshop is producing Signalling Relays, Control Panels, Double Line Block Instrument, Token less Block Instruments to suit Non-RE areas, Electrically operated Lifting Barrier Gates, IRS Point machines, Polarised Relays, Electronic Timers etc. The workshop has an auxiliary unit in Perambur/Chennai. The Perambur unit take up the overhauling of SGE Block Instruments and FM Daido Block Instruments which are installed throughout Southern Railway. A part from this, the Perambur Unit also takes up the assembly work of Gate Warning Bell, Annunciator, Battery Charging in addition to some other miscellaneous works.

Production Growth and Out-Turn:

The workshop manufactures various types of sophisticated Signalling Equipments for meeting the demand of Indian Railways in the commissioning of new Signalling projects, and replacement works.

The combined annual Out-Turn of S&T Workshop/Podanur and Perambur Unit is in the order of ₹ 61.31 Cr. for the year 2014-2015.

Progressive growth in the out-turn of the workshop can be seen from the figures given below :—

Sl. No.	Description	2011-12	2012-13	2013-14	2014-15
1	Q Type Plug in Type Relays	65910	67123	62087	60655
2	IRS Point machine	1616	2311	2613	2360
3	Token Less Block Instrument (Push Button Type)	263	72	71	56
4	Double Line Block Instrument	124	120	130	124
5	Control panel	91	78	128	103
6	Polarised Relay	175	222	224	396
8	GRS Apparatus cases	1325	1690	1678	1587

Details of Staff Strength and Out-turn per employee are as follows
The Out-turn per employee for the year 2014-15 is 8 Lakh.

Year	Out turn in Crores of ₹	Staff strength	Out turn per employee (in lakhs of ₹)
2011-12	48.68	763	6.4
2012-13	57.98	741	7.82
2013-14	67.52	798	8.49
2014-15	61.31	736	8.00

Incentive scheme :

The Incentive scheme was introduced in this workshop from 1st August 1963. An average of 540 staff per month has been covered under incentive scheme for the year 2014-15.

Quality Control :

This Workshop is an ISO 9001:2008 Certified Unit.

The pride of the workshop lies in its capacity to produce sophisticated Signalling products of high standard quality. This workshop has got ISO 9001: 2008 Certification for all sections including Administrative offices.

As per the Quality policy, this workshop is committed to manufacture and supply Safety signaling Equipments of consistent quality by continuous improvement. As result, a lot of improvements were made and new fixtures were introduced in the production of Relays, Token less Block Instruments, Point machines etc. These measures have reduced the rejection rate considerably and improved the reliability of items being produced in this workshop.

Developmental Activities :

The following new items are under development and proposed to be manufactured in the workshop in the next year onwards :—

- 1) Digital Axle Counter.
- 2) Special relays Viz : QNNA1, QBCA1.
- Auto fuse change over system.
- Earth Leakage defector.
- Track feed battery charger.
- Integrated power supply system.
- Universal fail safe block interface.

The following new items are developed during the 2014-15 year :—

- 1) Integrated passenger information system.
- 2) Tri-colour LED Torch.
- 3) BPAC using UFSBI & MUX combiner Double Line Block Instrument.
- 4) Add on Box for Track Feed Charger.
- 5) Special relays Viz : QN1K, QNA1K.

Computerization in S&T Workshop/Podanur :

All the Shops and sections of S&T Workshop and Associated Offices are provided with PC Systems and these are inter-connected through LAN and in turn connected through Railnet.

Daily position of production, material stock position, etc. are monitored through computers. All the activities in the Bills section, Planning section, Drawing Office, Personnel Branch, ISO Section, Inspection Department, Budget section, Stores section, Marketing section, Progress section, General section are done through computers only. The issue of passes (Privilege passes, Post retirement passes) are done through computers.

Out - sourcing of sub-assemblies and components :—

To meet the growing demand of vital components produced in the workshop, certain Sub-assemblies and Components of Q' Relays, Point machine and Electronic items are out sourced apart from In-House manufacture. Stock items are procured through Stores Department through Procurement memo system.

Basic Training Centre :

A Basic Training Centre is functioning attached with S&T Workshop/Podanur from 9/4/1993. Courses for Non-ITI Apprentice Fitters (Freshers) Ex-ITI Fitter, Turner, Welder and Machinist as per Apprentice Act 1961 are conducted here. Written examination was held on 15/06/2014 and engagement order issued on September Month to Report on 1st October.

Staff Welfare :

The workshop is periodically inspected by the Inspector of Factories and instructions are strictly followed. A canteen is functioning in the workshop for the benefit of staff. Tea, Snacks, Tiffin and meals are arranged daily to the staff at subsidized rates. In addition to this, Hindi library, Cycle stand and Rest Room are functioning for the welfare of the staff.

Railway Sub-Divisional Hospital and Homoeopathic Dispensary are functioning nearby the Workshop for the staff and their families.

The renovated Railway Institute with library and reading room has been opened for staff recreation with facility for various indoor games like Shuttle coke, Carroms, Billiards, Table Tennis etc. Volley Ball court, Lawn Tennis court are also available to the staff and wards.

S&T Workshop/Perambur :

S&T Workshop/Perambur is a repair workshop. The workshop is functioning under the control of CWM/S&T/PTJ. The major activity of the workshop is the overhauling of SGE Double Line Block Instrument and FM Daido Block instrument. A part from these Overhauling activities, this workshop manufacture Electronic Gate Warning Bell, Annunciator, E type lock Initial charging of Batteries used in Signal and AC Locos also are undertaken in this workshop.

This is a Non-Incentive Workshop managed by a SSE and PE/S&T/PTJ is the overall in charge of the unit who visit the workshop once in a week to look after the activities of the workshop.

S & T Training Centre at Podanur

The S & T Training Centre is under the administrative control of CWM/S&T/PTJ. It is headed by Principal. The faculty of the Training centre comprises the following :-

Principal	-	01
Vice Principal	-	01
Instructors	-	10
Demonstrators	-	03
Artizan Instructor	-	01

Mandatory courses like initial courses for Apprentices, Refresher courses for serving employees, Foundation courses for newly promoted Group C employees, and various equipment courses on Signal & Telecommunication on Safety related courses are regularly conducted for the employees of Southern Railway and South Western Railways as per the training modules issued by the Railway Board. Mandatory promotional courses for promoted JE/Signal & Tele. and modular courses for supervisors for Signal & Tele. are also conducted at this training centre.

Yoga and Meditation and, Computer courses are also being conducted here. In addition to the above courses, special courses such as courses on Cable Jointing techniques, Route releasing techniques, on RRI system II, Validation of Data Loggers, BPAC, Ballast resistance calculations etc. and special courses for RVNL staff also conducted at this training centre along with some training at field level.

Staff are also being trained through *e-learning* and Virtual classes connected to IRISSET/SC and other training institutes.

Hostel facility with trainee participative mess is provided to the staff attending the courses.

As part of development work, a seminar hall cum ladies hostel is under construction and comprehensive action plan for up gradation of infrastructure facility is under progress in LAW programme.

The Details of courses conducted in the year from April 2014 to March 2015 are given in the enclosure please.

**DETAILS OF TRAINEES WHO HAD UNDERGONE TRAINING FOR THE PERIOD
APRIL 2014 To MARCH 2015 AT S & T TRAINING SCHOOL - PODANUR**

Sl. No.	Name of Courses	No. of Courses Pro-grammed	No. of courses conducted	No. of seats allotted	No. of Staff trained
I. Initial Courses					
1	Initial course for App. ESMs	8	7	134	134
2	Initial course for App.TCMs	2	2	53	53
3	App.SSE/Tele,App.JE/Drg.	3	3	15	15
	TOTAL	13	12	202	202
II. REFRESHER COURSES					
1	Refresher course for ESMs.	11	11	253	417
2	Refresher course for TCMs.	6	6	78	76
	TOTAL	17	17	331	493
III. FOUNDATION COURSES					
1	Foundation course for ESMs.	3	3	42	61
2	Foundation course for TCMs.	4	4	40	12
	TOTAL	7	7	82	73
IV. PROMOTIONAL COURSES					
1	Promotional Course/Signal	1	1	3	3
2	Promotional Course/Telecom.	1	1	1	1
	TOTAL	2	2	4	4
V. MODULAR COURSES					
	Modular Course/Signal	4	4	40	10
	Modular Course/Tele	4	4	40	9
	TOTAL	8	8	80	19
VI. COMMON COURSES					
1	Yoga & Meditation	6	6	60	42
2	Computer appreciation	7	7	70	50
3	Special course for RVNL staff	1	1	20	20
	TOTAL	14	14	150	112
VII. (a) EQUIPMENT COURSES (SIGNAL)					
1	Electronic Interlocking/ Modern signalling	4	4	40	38
2	RRI Major and Minor Yard	2	2	20	7
3	Block Instrument Course	4	4	40	46
4	Automatic Signal/AFTC	1	1	10	6
5	Point Machine & Track circuit	3	3	30	20
6	Signalling in RE, CLS & LED Sigg.	3	2	20	8
7	IPS & Data Logger.	3	3	30	29
8	Axle Counter IBNS/BPAC/ SSDAC	3	3	30	14
9	RRI system I & II case study, and signal cable plan	3	3	30	
10	Power equipment-signalling lightning, surge protection and earthing.	3	3	30	
	Induction to unskilled	6	6	7	
	TOTAL	35	34		

Sl. No.	Name of Courses	No. of Courses Pro-grammed	No. of courses conducted	No. of seats allotted	No. of Staff trained
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VII. (b) EQUIPMENT COURSES (TELECOMM.)

1	Data Communication, Railnet, PRS & UTS & Basic of networking.	5	5	50	19
2	Multiplexing techniques PDH/SDH	7	6	60	13
3	Making of cable route plan and its use, TTC including protection path testing and quad cable jointing	7	6	60	14
4	Optical fibre communication & Splicing, measurements and fault diagnosis.	7	4	40	13
5	ISDN Exchange	7	6	60	19
6	Power equipment batteries and measuring instruments.	6	3	30	4
7	Modern communication, Mobile communication, NGN, IPDSLAM & MTRC.	5	5	50	11
8	PA system, IPIS (Video Surveillance system)	6	6	60	8
9	Induction to unskilled	5	5	50	37
TOTAL		55	46	460	138
GRAND TOTAL		151	140	1667	1412

Sl. No.	Nature of course	seats allotted	seats utilised	% of utilisation
1	Initial Course	202	202	100%
2	Refresher Course	331	493	149%
3	Foundation Course	82	73	89%
4	Promotional Course	4	4	100%
5	Modular Course	80	19	24%
6	Common Courses	150	112	75%
7	Equipment Courses/Signal	358	371	104%
8	Equipment Courses/Tele	460	138	30%
TOTAL		1667	1412	85%

7. Staff

(i) Total strength of staff (cadrewise separately for Signal and Tele-communication staff) in respect of Inspectors and Artizans 2014-15.

Sl. No.	Category	Total Nos.
(a) Signalling—		
(1)	Signal Engineers	297
(2)	Technician Signal	1,291
(b) Tele-communication—		
(1)	Tele-commn. Engineers	194
(2)	Technician, Tele-commn	518
(3)	Wireless Instrument mechanics	87

(ii) Total No. of Signalling and Tele-communication staff recruited in respect of Inspectors and Artizans. (Indents Placed).

(a) Through Railway Recruitment Board

(1)	SSE/Sig.	..	..
(2)	JE/Sig.	..	..
(3)	SEE/Tele.	..	Placing of RRB
(4)	JE/Tele.	..	indents under
(5)	Technician/Gr. II/Signal	..	progress.
(6)	Technician/Gr. III/Signal	..	..
(7)	Technician/Gr. III/Tele.	..	..
(8)	Wireless Instrument Mechanics	..	Nil

(iii) Total No. of Staff trained through Zonal Training Schools/Centres category wise during 2014-15.

Sl. No.	Name of the courses	No. of courses conducted	No. of staff trained
(1)	Refresher Course	17	493
(2)	Initial Course	12	202
(3)	Equipment Course	80	509
(4)	Foundation Course	7	73
(5)	Pre-promotional Courses	..	..
(a)	ESMs/MSMs/TCMs	2	4
(6)	Other courses - Computer	8	70
	Other courses - Yoga	6	42
	Other courses - Modular	8	19
Total		140	1,412

(iv) Signal and Tele-communication Units for 2014-15

Division	DISTUs
Chennai	6,03,826
Salem	1,96,390
Palakkad	2,06,917
Thiruvananthapuram	3,05,067
Tiruchchirappalli	1,70,224
Madurai	1,42,663
Total	16,25,087
ZISTUS	42,56,561

X. भंडार/STORES

1. Organisation of Stores Department :—

The Stores Department is taking care of Material Management activity and fully committed to arrange adequate quantity of materials, of right quantity, at right time. To meet the requirements of various Departments, 25 stores depots are functioning, spreading over six Divisions of Southern Railway. The Stores department is arranging about 6781 stocked items required on regular basis, apart from procuring high value Non-Stock items through Headquarters, and materials of smaller value through field units.

2. The Details of Stores Depots are as under:—

2. 1 General and Divisional Stores Depot :—

Sl. No.	Name of the depot (Depot Code)	Brief function	No. of items stocked	Issue value 2014-15 (in Crs. of ₹)	Staff Strength
1	General Stores Depot, Perambur (00).	Supply of materials required for Chennai Division, mainly ; Supply of uniforms throughout Southern Railway Supply of books and forms & money valued items to Southern Railway, South Western Railway & ICF; Major scrap depot of Southern Railway.	646	173.70	263
2	General Stores Depot, Golden Rock (24).	Supply of materials required for Trichy Division	485	6.89	38
3	Divisional Stores Depot, Erode (13).	Supply of materials required for Salem Division.	408	6.77	12
4	Divisional Stores Depot, Madurai (14).	Supply of materials required for Madurai Division.	367	7.09	32
5	Divisional Stores Depot, Quilon (20).	Supply of materials required for Trivandrum Division.	437	9.79	18
6	General Stores Depot, Palakkad (07).	Supply of materials required for Palakkad Division.	293	5.82	9
7	Coach Maintenance Stores Depot, Basin Bridge (25).	Supply of C&W materials required for Chennai Division.	171	4.21	12

2. 2 Depots attached with Diesel & Electric Sheds :

Sl. Nos.	Name of the Depot (Depot Code)	Brief function	No. of items stocked	Issue value 2014-15 (in Crs. of ₹)	Staff Strength
1	Diesel Stores Depot, Erode (08).	Supply of materials required for Diesel Shed, Erode.	985	19.34	27
2	Electric Loco Stores Depot, Royapuram (15).	Supply of materials required for Electric Loco Shed, Royapuram.	253	0.41	2
3	Diesel Stores Depot, GOC (18).	Supply of materials required for Diesel POH Shed, Goldenrock.	1410	39.36	19
4	Diesel shed/Stores Depot (19).	Supply of materials required for "Diesel Loco Shed"/Goldenrock.	1688	17.60	38
5	Electric Loco Stores Depot, Arakkonam (21).	Supply of materials required for Electric Loco Shed at Arakkonam.	688	12.01	25
6	Electric Loco Stores Depot, Erode (22).	Supply of materials required for Electric Loco Shed /Erode.	610	10.79	14
7	Diesel Stores Depot, Ernakulam (23).	Supply of materials required for Diesel Loco Shed, Ernakulam.	846	8.14	16
8	Diesel Stores Depot, Tondiarpet (26).	Supply of materials required for Diesel Loco Shed, Tondiarpet.	660	4.11	14

2.3 Depots attached with Workshop :

Sl. No.	Name of the depot (Depot Code)	Brief function	No. of items stocked	Issue value 2014-15 (in Crs. of ₹)	Staff Strength
1	Loco Stores Depot, Perambur (01).	Supply of materials required for Loco Works, Perambur.	1285	67.32	98
2	Mechanical Stores Depot/ GOC (02)	Supply of materials required for Mechanical Workshop, Golden Rock.	898	94.78	204
3	Carriage Stores Depot/ Perambur (28).	Supply of materials required for Carriage Works, Perambur.	1138	156.82	93
4	Branch Stores/Arakkonam (09).	Supply of materials required for Engineering Workshop, Arakkonam.	149	5.43	21

2.4 Depots attached with EMU Sheds :

Sl. No.	Name of the Depot (Depot Code)	Brief function	No. of items stocked	Issue value 2014-15 (in Crs. of ₹)	Staff Strength
1	Traction Stores Depot/ Tambaram (10).	Supply of materials required for Traction Depot at Tambaram and Velachery.	582	11.25	25
2	Traction Stores Depot/ Avadi (27).	Supply of materials required for Traction Depot, Avadi.	620	13.04	22

2.5 Depots attached to Manufacturing Shops :

Sl. No.	Name of the depot (Depot Code)	Brief function	No. of items stocked	Issue value 2014-15 (in Crs. of ₹)	Staff Strength
1	Signal Stores Depot, Podanur (11).	Supply of materials required for Signal & Telecom Workshop, Podanur.	278	73.52	42
2	Wagon Production, Golden Rock (17).	Supply of materials required for Wagon Production, Workshop, Golden Rock.	Items procured against RSP NS indents.		43

2.6 Other Depots :

Sl. No.	Name of the depot (Depot Code)	Brief function	No. of items stocked	Issue value 2014-15 (in Crs. of ₹)	Staff Strength
1	Combined scrap Stores Depot, Golden Rock (05).	Receiving of scrap from various shops of central workshop/GOC & other Scrap from Open Line and arranging its disposal through e-Auctions.	102	102.20	61

2.7 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, ICF, RRB, Construction Organisation, Railway Claims Tribunal, Railway Rate Tribunal, etc. are also undertaken by these printing presses.

2.7.(i) Productivity of Printing Press at Royapuram

The production output of the General Printing Press for the year 2014-15 is 7.92 crores at DFCI against the targeted out turn 7.2 crores per year. This includes standard forms and money value items.

2.7.(ii) Production of Ticket Printing Factory at Trichy

Tickets are printed at Ticket Printing Factory. For the year 2014-15, only 1.91 Crores tickets have been printed against the Target of ₹. 4.2 Crores. This is due to the fact that UTS tickets were introduced in various stations over Southern Railway causing low indent for printing of card tickets and the total receipts for the year 2014-15. So, the actual production for the year 01.91 crores is very less against the targeted out turn. As per the directives of Railway Board TPF / MYS has been closed down on 28.02.2013 and printing load of TPF / MYS has been under taken by TPF / TPJ.

3. ISO Certification :

Southern Railway is one of the first Zonal Railway to obtain ISO 9001:2000 certification for Material Management Department of Stores Headquarters, Depots along with Associate Finance. The ISO 9001 : 2000 certification was obtained in the year 2001. Now, it has been upgraded to ISO 9001 : 2008. The BIS has recently renewed the Quality System certification *vide* Licence No. QS C/L-6002356.4 which is valid upto 22.08.207.

4. E-Auction & RTGS:

4.1 E-AUCTION : As per railway Board's directives, Southern Railway has switched over to 100 % e-auction from June 2013 onwards.

Total sale through e-auction during 2014-15 is ₹. 152.13 Crores

4.2 RTGS : Southern Railway has collected ₹164.17 Crores in 2014-15 through RTGS.

4.3 SCRAP DESPATCHES TO RWF/YNK:

Against Railway Board's target of 15,000 MTs, Southern Railway has despatched 11,275 MTs. of Scrap rails to RWF / YNK.

5. Stores Balance—(2014-2015)

(Figs. in crores of ₹)

	Maintenance	Works	Total
(i) Opening Balance			
Phy. stock without Adjustment	122.77	0.24	123.01
Adjustment	-0.15	0.00	-0.15
Stores Suspense balance	-5.79	0.00	-5.79
Total as per approx accounts	116.83	0.24	117.07
(ii) Receipts during the year	1627.44	0.09	1627.53
(iii) Issues during the year	1601.96	0.13	1602.09
(iv) Closing Balance			
Phy. stock without Adjustment	142.31	0.20	142.51
Adjustment	-0.15	0.00	-0.15
Stores Suspense balance	7.87	0.00	7.87
Total as per approx accounts	150.03	0.20	150.23

6. Inventory Performance 2014-15

(figs in crores of ₹)

1) Overall Balance without fuel as on 31/3/2015	- 165.25
2) Overall Balance with fuel as on 31/3/2015	- 204.57
3) Total Issues (without fuel)	- 854.90
4) Total Issues (with fuel)	- 1602.08
5) Turn Over Ratio (without fuel)	- 19.33 %
6) Turn Over Ratio (with fuel)	- 12.77 %

7. Economy Effected In Stationery and Other Materials.

Stringent economy is enforced in the utilisation of stationery and other materials of general usage.

8. Purchase of Stores**8.1 Purchase -Value of Railway Equipment and Stores 2014-15**

(figs. in crores of ₹)

1. Total value of equipment & stores	- 3434.22
2. Value of stores ordered through department of supply (DGS & D)	- 13.32
3. Value of stores ordered through Railway Board	- 1785.62
4. Value of stores ordered by the Railway Direct.	- 1635.28

8.2 Details of purchases of Stores (2014-15)

Every year about 4,100 stock orders and 800 non-stock orders are released by the office of the COS
(figures in crores of ₹)

1. Materials imported direct	-	3.82
2. Materials imported through agencies in India	-	3.57
3. Total imported direct and through agencies	-	7.39
4. Indigenous materials	-	3426.83
5. Total imported and indigenous	-	3434.22
6. Percentage of items (4) over (5)	-	99.78 %

8.3 Purchase From Khadi, Cottage And SSI Units

Value of purchases falling within the category of khadi, cottage and small scale industrial products during the year 2014-15 amounted to ₹ 421.34 Crs.

9. 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. (2014-15)

(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	48.000	2.945	45.055	48.000
2	Structural	991.002	294.626	755.016	559.771
3	Plates	1538.016	237.329	1826.932	1071.814
4	Sheets	1416.458	88.749	1559.337	1290.991
5	Spring Steel	0.000	10.000	536.310	273.000
6	Tool Alloy & Steel Plates	—	—	—	—

10. Disposal of Scrap - During 2014-15, Southern Railway generated a revenue of ₹ 212.36 Crores, by sale of various Scrap items :—

Category of Scrap	Balance as on 01.04.14		Receipts during the year		Scrap Disposed off during the year		Balance as on 01.04.2015	
	Qty/ MT	Value (in Crs. of ₹)	Qty/ MT	Value (in Crs. of ₹)	Qty/ MT	Value (in Crs. of ₹)	Qty/ MT	Value (in Crs. of ₹)
I. Ferrous Scrap								
a. P. Way scrap	7610	20.22	44306	114.70	38931	103.75	12985	29.62
b. Other than P. Way scrap	766	02.00	23948	63.43	20742	55.90	3972	9.53
II. Non-ferrous Scrap.	149	01.80	2716	37.70	27.59	32.44	106	1.06
III. Rolling Stock	Qty./No. of ₹	(in Crs. of ₹)	Qty./No. of ₹	(in Crs. of ₹)	Qty./No. of ₹	(in Crs. of ₹)	Qty./No. of ₹	(in Crs. of ₹)
a. Wagon	9	0.25	111	3.35	86	2.58	34	1.02
b. Coaches	18	0.91	123	5.07	84	3.70	57	2.28
c. Locos	6	2.30	5	0.01	8	1.39	3	0.90
IV. Misc. Scrap	Qty/No.	Value (in Crs. of ₹)	Qty/No.	Value (in Crs. of ₹)	Qty/No.	Value (in Crs. of ₹)	Qty/No.	Value (in Crs. of ₹)
Misc. Scrap (*) in MT.	301	0.67	4129	9.73	3808	8.94	622	1.46
Misc. Scrap in No.	23	0.01	2199	4.04	2004	3.66	218	0.39
Grand Total Value		28.16		232.03		212.36		46.26

(*) - Misc Scrap includes T&P items, Machineries, Paper, Glass, etc.- some of which is quantified in Nos. and some others weighed on MTs.

Scrap Reclamation :

Ferrous Scrap	:	218.085 mt.	Value	0.50 Crs.
Non-Ferrous Scrap	:	40.092 mt.	Value	1.28 Crs.
Misc.	:	33.345 mt.	Value	0.11 Crs.

11. Supply of Uniforms

Clothing Factory : This is functioning at General Stores Depot, Perambur and caters to the uniform requirement of Southern Railway. Depending upon the scales, uniforms are issued to the eligible staff and compliance is as under:-

Type of Fabric	No. of garments indented for	No. of Garments actually supplied	No. of Garments to be supplied	% of compliance
Terrycotton	2,41,968	1,56,911	85,057	64.85%
Serge (Winter)	194	194	Nil	100%
Total	2,42,162	1,57,105	85,057	64.88%

In addition, 38,848 Nos. of ready made garments and 3,89,427 bedroll items were issued during 2014-15.

12. Receipt, Inspection & Issues of Stores

12.1 Statistics on Receipts and Inspection :—

	2012-13	2013-14	2014-15
1. No. of Staff for clerical and supervision work (Nos.)	84	84	76
2. Yearly Expenditure of staff (₹ in Lakhs.)	357.69	410.19	405.78
3. Value of stores inspected/received (₹ in Lakhs)	54,961.92	61,617.25	60,399.29
4. Cost of receipts and inspection per ₹ 100 of value of stores	0.65	0.67	0.67
5. Receipt notes granted per clerk per month	47	42	34

12.2 Statistics on Accounts and Departmental Stock Verification

	2012-13	2013-14	2014-15
1. Percentage of items verified			
(a) with no discrepancy.	99.16	99.36	99.72
(b) with discrepancies			
Upto limit of ₹ 50/-	0.05	0.11	0.00
Upto limit of ₹ 1000/-	0.10	0.13	0.16
Above the limit of ₹ 1000/-	0.70	0.40	0.12

12.3 Loss and gain brought to light as a result of departmental and Accounts verification (Stores Depots only).

(₹ in Lakhs)

Year	Loss	Gain	Net Gain	Net Loss
2010-11	0.38	0.53	0.15	..
2011-12	1.66	0.90	..	0.76
2012-13	3.18	7.27	4.09	..
2013-14	2.51	7.36	4.84	..
2014-15	3.01	20.34	17.33	..

12.4 Statistic on Unit cost of Issues

	2012-13	2013-14	2014-15
1. Value of stores issued during the year from the depots (figures in lakhs of ₹).	74019.98	76407.66	85490.29
2. Pay and Allowances of depot staff (figures in lakhs of ₹).	1947.48	2120.23	2442.13
3. Cost of making issues worth ₹ 100/-	2.63	2.77	2.86

13. Availability of items (as on 31st March 2015)

(Value in lakh of ₹)

1. Total No. of stocked	6781
2. No. of items available	6563
3. Percentage	96.79%

14. Overstock and Surplus Stores

(Value in lakh of ₹)

Details	As on 31-3-2014	As on 31-3-2015
1. Surplus	39.03	14.14
2. Over Stock	125.26	169.61

15. Printing Press**15.1 Production** :— The total out-turn of Press/RPM of the year was as under :—

Items	Value of Books and forms printed (in lakh of ₹)	Value of Card tickets printed (in lakh of ₹)	Total
Work done for S.Rly.	783.57	136.62	920.19
Work done for other Rlys.	195.89	32.61	228.50
Total	979.46	169.23	1148.69

15.2 Paper consumption for Press during the year 2014-15

For general stationery Printing of Forms and Books, and for stations and ticket offices, Boards – 1335 MTs.

15.3 Out-turn of Forms, Money Value Books and Card Tickets. –

Particulars	Books, Forms & Money value Items (In terms of Books)	Card Tickets printed in Numbers
(i) Work done for S.Rly.		
2010-2011	24,64,594	3,46,33,450
2011-2012	28,42,689	2,69,87,000
2012-2013	31,58,828	3,07,01,800
2013-2014	19,33,483	2,22,46,200
2014-2015	24,01,479	1,54,36,150

15.2 Paper consumption for Press during the year 2014-15

For general stationery Printing of Forms and Books, and for stations and ticket offices, Boards – 1335 MTs.

15.3 Out-turn of Forms, Money Value Books and Card Tickets. –

Particulars	Books, Forms & Money value items (In terms of Books)	Card Tickets printed in Numbers
(ii) Work done for others		
2010-2011	1,81,500	1,78,200
2011-2012	2,86,083	2,68,800
2012-2013	3,12,155	5,76,950
2013-2014	5,72,093	32,33,350
2014-2015	2,01,578	36,84,600

16. Shipping and Imports :

The details of Imported Cargo cleared during 2014-15 is as under :

Sl. No.	Description	Qty.	Qty. in MT	No. of containers
1	Computerised/ Electronically controlled multi colour Rotary Web Offset Printing Machine for printing of Indian Railway Pre-Printed Tickets (Passenger Reservation System) and Un Reserved Ticketing System (UTS) with online Numbering and processing unit for Sprocketing , perforation, Rewinding, Zig-Zag Folding/ Fan Folding, Sheeting unit including Electrical and Electronic devices complete with concomitant Accessories and Spares as per Sepcn. No. RSP/PRS/TP/M and P/ CRTPM/04/RLYS/2010-11, MODEL: ROTATEK – PERFECT NT. Imported against Eastern Railway P.O. No. 15/10/6076/1/41425 dated 20.09.2014.	1 set	55.455	4x 40 Feet and 1x20 Feet

17. Right to Information Act .

A total No. of 83 RTI applications were dealt with during 2014-15. In addition, 9 RTI appeals were also dealt with



XI. चिकित्सा/MEDICAL

The Medical Department of Southern Railway provides services for Comprehensive Medical Care to the Railway employees, Retired Employees their families/dependents and medical relief to Railway Passengers for illness during travel. It is also actively involved in the Environmental Sanitation and Health by maintaining the cleanliness in 68 major stations and Railway Colonies in the zone. The Health Department is also responsible for the Industrial health activities of screening employees for health disorders during appointment and regularly thereafter based on their Medical Category, reporting and treatment of Workplace injuries and classification of these injuries for Compensation. The Health Department maintains the data regarding Public Health activities for Food Safety, Water Quality, Communicable & Non Communicable Disease Monitoring, Maternal & Child Health Services, Disaster Management Services, Health promotion and prevention through National Health Programmes.

The total number of employees presently working in Southern Railway are 1,15,328 and 76,123 retired employees have also registered in the RELHS for availing the health facilities. The total number of Railway beneficiaries are 613558 individuals in the zone.

HEAD QUARTERS

*Chief Medical Director	Dr. T. ANJIAH
*Chief Health Director	Dr. B. S. VARAPRASAD
*Additional CMD T/A	Dr. K. JEYAMOHAN
*Dy. Chief Medical Director HFW	Dr. ANIL THOMAS

CENTRAL HOSPITAL

*Medical Director	Dr. PRASANNA KUMAR
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DIVISIONAL INCHARGES

Chennai Division	Dr. B. P. NANDA
Madurai Division	Dr. G. SAHOO
Trivandrum Division	Dr. Mrs MARY MATHEW
Palghat Division	Dr. Mrs KALARANI RENGANATHAN
Salem Division	Dr. A. KALANIDHI
Tiruchchirappalli Division	Dr. Mrs. P. MALLIKA

A. INPATIENT SERVICES

Southern Railway has 10 Hospitals with 1135 beds in which inpatient facilities are provided 24x7 through out the year.

1 Zonal Head Quarter Hospital at Perambur Chennai

5 Divisional Hospitals

- ❖ Chennai Division Railway Hospital Arakkonam- with 50 beds.
- ❖ Tiruchchirappalli Divisional Railway Hospital Golden Rock- with 197 beds.
- ❖ Madurai Divisional Railway Hospital with 115 beds.
- ❖ Palghat Divisional Railway Hospital with 106 beds.
- ❖ Trivandrum -with 54 beds.

- 4 Sub Divisional Hospitals viz.
- | | |
|------------|-----------------|
| Villupuram | -with 26 beds. |
| Erode | - with 30 beds. |
| Podanur | - with 28 beds. |
| Shoranur | - with 24 beds. |

DISASTER MANAGEMENT

All divisions have a disaster management plan with teams and their defined responsibilities in case of disasters.

SPART AT MAS AND ARME SCALE I AND SCALE II in the following locations:

ARME Scale I			ARME Scale II		
Division	Broad Gauge	Metre Gauge	Broad Gauge	Metre Gauge	Narrow Gauge
Madras	Jolarpettai, Chennai central	..	Arakonam katpadi Sullurpet	...	...
Golden Rock	Tiruchchirappalli Villupuram	..	Virudhachalam Manamadurai Tiruvanamalai	...	...
Madurai	Madurai Sengottai	..	Dindugul Karaikudi Manamadurai Mandapam Virudhunagar Tirunelveli Tuticorin palani	..	...
Palghat	Mangalore Shoranur	-	Cannanore Calicut Palghat	Pollachi	...
Trivandrum	Ernakulam Trivandrum	..	Nagercoil Quilon Kottayam Alleppey, Trichur	...	Coonoor
Salem	Erode	..	Podanur, Salem Karur	...	Coonoor

Southern Railway has 42 Health Units

Chennai Divn. :11- Jolarpettai, Katpadi, Haffieldpet, Avadi, New Genl.office, Madras Egmore, Tondiarpet, Royapuram, Tambaram, Chenglepet, Sullurpet.

Tiruchchirappalli Divn. :8- Tiruchchirappalli Junction, Trichy Fort, Srirangam, Virudhachalam, Tiruvanamalai, Mayiladuthurai, Tiruvarur, Tanjore.

Madurai Divn. : 9 - Dindugul, Mandapam, Palani, Karaikudi, Sengottai, Tuticorin, Manamadurai, Tirunelveli, Virudhunagar.

Palghat Divn. : 4- Mangalore, Cannore, Calicut, Pollachi.

Trivandrum Divn. : 6- Ernakulam, Quilon, Kottayam, Nagercoil, Trichur, Alleppey.

Salem Divn. : 4- Salem, Mettupalayam, Karur, Coonoor.

REFERRAL HOSPITALS

Southern Railway has 11 Referral Hospitals

- Dr Rai Memorial medical Center Chennai 600018.
- RG Stone Urology & Laparoscopic Hospital Chennai.
- Kaliappa Renal Center Pvt Ltd Chennai 600028.
- Rajan Eyecare Hospital Chennai.
- Dr Agarwals Eye Hospital Chennai.
- Vasan Healthcare private Ltd Chennai.
- Shanmuga Hospital Salem.
- Regional Cancer Center Trivandrum.
- Lakshmi Hospital Ernakulam.
- Govt Wenlock Hospital Mangalore.
- PVS Hospital Calicut.

STATISTICS

IN 2014-15 SOUTHERN RAILWAY BENEFICIARIES

Received

2188648

Out Patient Medical Consultations
From Southern Railway Doctors in HQ Hospital,
5 Divisional Hospitals, 4 sub Division Hospitals
and 42 Health Units in the zone.

SOUTHERN RAILWAY

APRIL-2014 to MARCH-2015

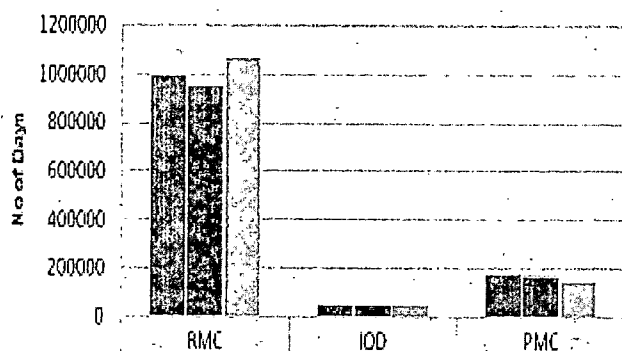
Health Care

Total OPD Nos.	...	21,88, 648
Total IPD Nos	...	37,439
Major Surgeries	...	3,175
Special Surgeries	...	1,544
Minor Surgeries	...	3, 188

Industrial Health

Total No. of RMCs Issued	...	89,310
Total No. of Man- days loss	...	10,75,223
Man-day's lost due to IOD/ HOD	...	55,628

3 year SR Manday Loss



■ 2013-14	1006019	57886	188549
■ 2014-15	954501	52008	175646
■ 2015-16	1075223	55628	156779

Table shows comparative figures of Man Day Loss from 2012-15

HEAD QUARTERS HOSPITAL PERAMBUR

Railway Hospital, Perambur is a 505-bedded hospital. This is a referral hospital not only for the beneficiaries of Southern Railway, but also for the whole Indian Railways for Cardiology, Cardio-Vascular surgery and Nephrology for which patients are referred from all over Indian Railways.

National Board of Examinations has recognized this hospital for training of D.N.B candidates in Medicine, Cardiology, Surgery, Obstetrics & Gynaecology, Pediatrics, ENT, Anaesthesia, Cardiovascular Surgery, Family Medicine and Orthopaedics. It is also recognized by the Royal college of Surgeons, Edinburgh, for part II FRCS examinations.

Hospital information management system is available in this hospital. The computers are installed in various units of the hospital with a connection to central machine with Magnum Module. Computerization is being done in other areas of work of the hospital. The data are used not only for clinical and research work, but also for inventory control, office automation, drug and equipment stores other auxiliary units etc.

1. (a) DEPARTMENT OF CARDIOLOGY

The department of Cardiology and Cardiac Surgery is an All India Referral Centre for all types of heart diseases.

In the year 2014-2015, 653 Open Heart Surgeries and 72 closed Heart Surgeries (this includes various surgical procedures for coronary artery diseases, congenital heart disease and rheumatic heart disease were done. About 421 PTMC, PTCA, PVP, PTR and 1438 Cardiac Catheterization and Coronary Angiography were performed last year.

A very active teaching programme exists with regular seminars, journal reviews and cardiovascular surgery lectures in the departments of Cardiology and Cardio Vascular surgery.

This is an all India referral center for cardiac evaluation and management. This department undertakes treatment of all types of cardiac procedures like cardiac catheterization, coronary angioplasty, pulmonary valvuloplasty, permanent pacemaker implantation, electrophysiology study etc. The department has got almost all the equipment for treating cardiac patients, including two cath Labs, IVUS, 2D echocardiogram with Color Doppler system, Holter monitoring system, Treadmill machines, etc.

b) DEPARTMENT OF CARDIAC SURGERY

The department of cardiac surgery performs about 725 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

A Full-fledged nephrology unit, which is a referral center for the Indian Railways, is functioning. All therapeutic measures, short of transplant are being done here. However, a transplant programme in collaboration with private hospital is available. In 2014-15, 5873 haemodialysis, 6 transplants, 25 CAPD continuous ambulatory peritoneal dialysis were performed during the year.

3. DEPARTMENT OF GENERAL MEDICINE

This department has a total of 142 beds, inclusive of 10 ICU beds and 7 semi ICU beds. The modern intensive care unit is known for its quality of work particularly for managing emergencies. The specialized services provided are ultrasound for ward patients, endoscopy, bronchoscopy, thoracoscopy, bronchoalveolar lavage and transbronchial biopsy. EEG, renal biopsy, spirometry, ventilator assistance, pacemaker facility etc.

Well-equipped intensive care unit with non-invasive and invasive diagnostic techniques are available for effective management of medical cases. 1494 endoscopies were performed during the year. This department is recognised by National Board of Examinations for Post Graduate degree in medicine.

4. DEPARTMENT OF GENERAL SURGERY

This department is now a major wing of the hospital, backed by the latest equipment and a dedicated team of surgeons. There has been a vast increase in the quality and quantity of operations done in the recent years.

Latest sophisticated equipments like contact laser, fibre-optic endoscopes and laparoscopic surgical equipments backed by efficient team of qualified surgeons are available in this Department. This department is recognized by National Board of Examinations for Post Graduate degree in General Surgery.

5. DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

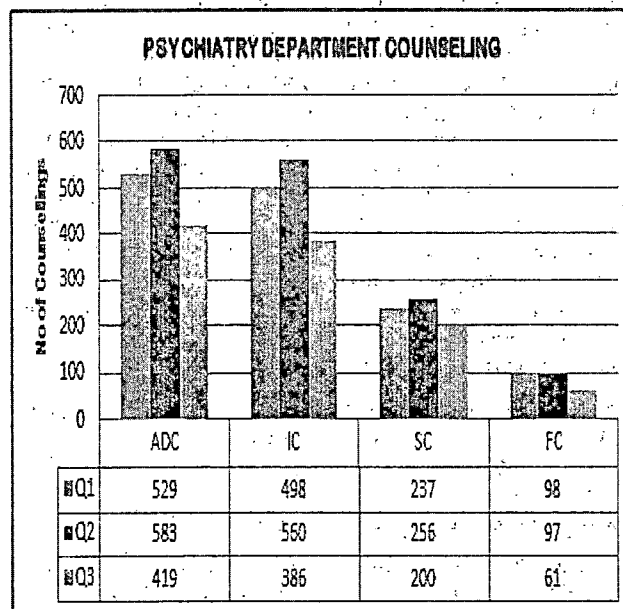
The Obstetrics & Gynaecology department has got 52 beds in its wards. About one thousand deliveries are conducted every year. This department is well-equipped and offers good quality service to the patients. This department is recognized by National Board of Examinations for Post Graduate degree in Obstetrics and Gynaecology.

6. DEPARTMENT OF PAEDIATRICS

Department of Paediatrics has got 60 beds in its wards. This department is well equipped and offers good quality treatment to the patients. Neonatology ICU is also available. This department is recognised by National Board of Examination for post graduate degree in Paediatrics.

7. DEPARTMENT OF PSYCHIATRY

A full-fledged department of Psychiatry with two Senior Psychiatrists, one clinical psychologist and one Alcohol & Drug Counselor is functioning in this hospital. The outpatient department receives patients with problems that range from minor mental disturbances to major disorders. Department members actively provide child guidance as well as suicide prevention services and consultation. They also conduct lectures on stress management for the industrial population. Special care is taken for addiction cases and motivational counseling. Deaddiction center, Memory clinic, Counseling Centers are available to conduct regular awareness programmes every month for employees.



Jan - Sep 2015 HQ Hospital Perambur Data

ADC Alcohol & Drug Counseling
IC Individual Counseling
SC Spouse Counseling
FC Family Counseling

8. DEPARTMENT OF ORTHOPAEDICS

The department of orthopaedics has been upgraded and all orthopaedic surgeries including spinal surgery, hip and knee replacements are being done in this department. This department is recognized by National Board of Examination for post graduate degree in Orthopaedics. As special surgeries in 2014-15 a Total of 8 Hip replacement surgery, 39 Knee replacement and 41 Hip modular Bipolar, Hemiarthroplasty surgery were conducted.

9. DEPARTMENT OF ENT

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 2328 cataract operations were performed during the year 2014-2015.

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 NABL Accredited 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 TELE-MEDICINE

Tele-medicine facility is available at Railway Hospital, Perambur along with Connectivity to all other divisional hospitals in Southern Railway.

14. DEPARTMENT OF HEALTH & FAMILY WELFARE

The Health & Family Welfare Department perform the chief function of delivery of primary health care in a wholesome manner. Preventive and promotive health care in addition to the routine curative services and rehabilitation aspects of health care constitute the main activities of the department. The activities include the establishment and maintenance of medical services with necessary infrastructure, control of communicable and non communicable diseases, rendering of Family Welfare services including Maternal and Child Health Services, implementation of National Control/ Eradication programmes with curative services.

15. DEPARTMENT OF VASCULAR SURGERY

It has a qualified IRMS Vascular surgeon who undertakes operations related to blood vessel Stenting procedures, Bypass procedures, sclerotherapy, vessel ligation and AV, Graft procedures.

16. DEPARTMENT OF NEUROSURGERY

This department was started in June 2014 after the joining of an IRMS Superspecialist Neurosurgeon and has completed 268 Neurological surgical procedures. The surgeries include Pituitary, Suprasellar, parasellar and cerebellopontine angle lesion removals, Ventriculoperitoneal Shunt, Craniotomy & Hematoma evacuations, Burr Hole surgeries, Anterior and Posterior Cervical surgeries, Lumbar Laminectomies and Disectomies, Peripheral Nerve surgeries.

17. DEPARTMENT OF GASTROENTEROLOGY

The GE Department runs a weekly clinic with consultation of 40-50 cases associated with the supespeciality services. The procedures for UGI Scopy along with polypectomies, Colonoscopy, Therapeutic endoscopy Variceal banding, Balloon dilation of Achalasia Cardia oesophageal stricture dilation, Liver Biopsy are regularly performed. Two cases of trans arterial chemoembolization for, Hepatocellular carcinoma and transjugular liver biopsy was done in the center.

INNOVATIONS AND NEW TECHNOLOGIES ADOPTED IN 2014-15 at Headquarters Hospital Perambur :

1. Neuro Surgery facilities were started.
2. Primary PTCA started in Cardiology Department.
3. Digitising Case Sheets.
4. Prescribing medicines through e-Prescriptions in all General OPD Clinics.
5. Introduction of Token system in the Dispensary
6. Conversion of Conventional X-ray to Digital X-ray.

During the year Specialty services were started at Divisional Railway Hospital / Arakkonam and Trivandrum deputing specialists from Head quarters Hospital in Department of Medicine & Gynecology.

18. BEST HEALTH UNIT

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 Units every year. This year HU/ERS for 2014-15 of Trivandrum Division has been adjudged as the Best Health Unit and the shield was presented by GM during the Railway week celebrations.

19. PUBLIC HEALTH

Public Health Wing is looking after the sanitation of 68 (A1-8, A-42, B-18) stations and colonies and monitoring mechanized cleaning and safe drinking water to the travelling public as to Railway population. Control and prevention of communicable disease is a major work of this wing. Environment Health-Station contracts, Special Cleanliness drives, Swachh Bharat Activities, National Cleanliness under Swachh Bharat Mission from 25.09.2015 to 31.03.2016, Water and food Quality Control (QC), Health Promotion, Family Welfare.

20. FOOD SAFETY

Indian Railway has implemented the Food Safety & Standard Act, 2006 to improve the quality of food, in Railways Apart from quality control sampling, the Food Safety Standard Wing of Southern Railway started working from August 2011 and New Food Safety and Standards Act 2006 has been implemented from September 2011 onwards. A separate Food safety wing consecutive of One DO (Designated Officer) and each division (MAS, TPJ, MDU, SA, PGT & TVC) one Food Safety Officer have been nominated to implement this Act throughout Southern Railway. New food licenses to catering units are being issued by this wing, and food awareness campaign was conducted for vendors & licensees of catering establishments. All the Medical Officers, Assistant Health Officers, Designated Officer, Food Safety Officers and Chief Health Inspectors/Health Inspectors are advised to conduct regular and surprise inspections on static & mobile catering units to improve the quality of food served to the travelling public.

Food samples were collected regularly under Quality Control & FSS Act, 2006 and sent for analysis and action initiated. The details of food samples collected during the year 2014-15 (April-2014 to March-2015) are given below:

Quality Control:

No. of food samples collected	.. 1145
No. of samples found adulterated/Misbranded	.. 85
No. of found samples found Unsafe	.. 42

FSSA : No. of food samples collected .. 134

Quality of water supplied at stations and colonies are monitored by conducting regular tests for residual chlorine and for bacteriological and chemical analysis. Details of water samples found fit during 2014-2015 are given below.

1. For Bacteriological analysis - 72.00 %
2. For Residual Chlorine - 78.00%

Water Samples Tested**Bacteriological test**

No. of samples collected - 5151

Residual Chlorine test

No. of samples collected- 60732

Quality of Water:

Bacteriological samples are being collected and sent for analysis from major stations once in a month and from minor stations once in two months, Chemical samples are being collected once in 6 months from all stations and sent for analysis. Daily Residual chlorine checks are being conducted at all medical head quarters stations where the Chief Health Inspectors/Health Inspectors are available.

Quality of water supplied at stations and colonies are monitored by conducting regular tests for residual chlorine and for bacteriological and chemical analysis. The details of water samples collected during the year 2014-15 (April-2014 to March-2015) are given below:

Bacteriological test: No. of samples collected : 5620
 No. of samples examined : 5496
 No. of samples found Fit : 4382
 No. of samples found Unfit : 1103
 Percentage fit : 98%

Residual Chlorine Test: No. of samples collected : 61418
 No. of samples found Fit : 48944
 No. of samples found Unfit: 12448
 Percentage fit : 80%

Indian Railway has implemented the Food Safety & Standard Act, 2006 to improve the quality of food, in Railways. Apart from quality control sampling, the Food Safety Standard Wing of Southern Railway started working from August 2011. One Designated Officer and 2 Food Safety Officers are working Southern Railway. All the Medical Officers, Assistant Health Officers, Designated Officer, Food Safety Officers and Health Inspectors are advised to conduct regular and surprise inspections on static & mobile catering units to improve the quality of food served to the travelling public.

Chemical Test: No. of samples collected : 1023
 No. of samples examined : 602
 No. of samples found Fit : 602
 No. of samples found Unfit : 16
 Percentage fit : 59%

Sanitation and Cleanliness

Sanitation of 68 A1, A & B (A1-8, A-42 & B 18) category stations are under the control of Medical Department. 68 stations are outsourced for sanitation activities and Mechanized cleaning is introduced. Special cleanliness drives/campaign at work place as well as stations in all stations is being conducted every month. CCTV, Public address systems is already being used for spreading awareness regarding cleanliness. All Medical Officers of the Divisions, AHOs, CHI/HIs are monitoring the activities of cleanliness. Apart from this SAG level officers are also inspecting the stations. Regular and surprise inspections are being conducted by Medical Department officials to maintain the sanitation in high order at Railway station premises.

SWACHH BHARAT ABHIYAN

In all major stations cleanliness and tracks (within the station limits and 500meters beyond the station) efforts under Swachh Bharat Abhiyan which was launched on 2nd Oct 2014 is observed every month & to be continued till 2019.

A Special cleanliness campaign was launched as part of the 'Swachh Bharat Mission' 2 on 2nd October 2015 at Velachery (VLCY) Railway Station.

AS Part of Swachh Bharat Abhiyan - 2, Clean India Mission - 2, - National campaign by the Government of India, Southern Railway kick-started the campaign in all Divisions covering all Railway Stations, Offices, Workplaces, Colonies on 2nd October 2015. Dr.T.Anjaiah Chief Medical Director lead the team of 6 Officers, 6 Paramedicals, 50 Safai Karmacharis and 50 Volunteers and Monitored the Campaign at Velachery Railway Station in MRTS Section at Chennai on 2nd October 2015. He also offered Shramdhan by taking to cleaning of litter followed by his officials and Supervisors. The Following are the activities during the Shramdhan Campaign held at Velachery Railway Station:

The activity undertaken as a part of the Cleanliness Initiative included Cleaning of Entrance to Railway Station, Car Parking area, Concourse Hall, Platforms, Tracks, Passenger Amenities viz. Toilets, Bath Rooms, urinals in Waiting Rooms, Staircases at Velachery Railway Station, Counselling the rail using public not to litter the Railway surroundings including the Platform surface, to only use dustbins and avoid using the toilets when trains are on halt at Railway stations. Simultaneously, contract cleaning staffs at VLCY Railway Station were also educated to keep dustbins in place. The Drive, which started early morning continued for several hours. The Highlights of the Cleanliness Campaign conducted at Velachery Railway Station is given below along with photographs:

Entrance and Car Park Cleaning: The entrance and Car Park area along with the adjacent corners was cleaned by a team of 50 Staff and Volunteers from Dominos Pizza from 0700 Hours in the early morning. All the litter was cleaned by our staff and volunteers with Hand Brooms and Malars by wearing masks and hand gloves. Rank Vegetation was cleared. The collected Rubbish was transported to Chennai Corporation Dump Yard in Pallikarainai.

CMD, CHD, Dy.CMD are seen doing Shramdhan at VLCY Stn. Frontage & Track.

CMD inspecting Toilets in waiting Room at VLCY Stn.

Concourse Hall Cleaning: The spacious Concourse Hall was given special cleaning viz. Cob Web Removal on the Roof, side walls, and Spit Stains removal in the corners and on the staircases. A thorough washing of concourse Hall with water using Hose Pipe was made.

SHO monitoring group cleaning & water washing the concourse Hall at VLCY stn.

CMD with his team of officers monitors water wash of concourse hall & cob web removal at VLCY Station.

Platform Cleaning : The Four Platforms were thoroughly cleaned by our Safaiwalas. Spit Stains were removed, Rubbish Cleared and washing with water was made.

Drinking Water Taps : All the water Taps were cleaned and the Glazed Tiles of the water Tub was given Acid cleaning.

Platform before, during and after cleaning with water at VLCY stn:

Waiting Rooms: Bath Rooms, Toilets and urinals in the passenger waiting Rooms were cleaned with hand brush, Glazed Tiles of the walls were treated with Acid and Phenyl was strewn.

Tracks : The Litter in the tracks were picked up including the empty water bottles, used cups, plastic covers. The rubbish dumped at the end of Platform 1 and 2 in the track nearer to the signal point on the St. Thomas mount side was cleaned. Lime and Bleaching Powder was speckled after cleaning the tracks.

Track Before, during and after Cleaning at VLCY Station.

Cleanliness Awareness Education: CMD interacted with many passengers and counselled them on the importance of Cleanliness and their role and responsibility in maintaining Clean Station and Trains. Frequent Announcement was made on the Dos. and DONTs in ensuring Clean Station and Trains. CMD educating passengers on Cleanliness and soliciting their co-operation for Clean Station.

CMD and his team of officials, staff and volunteers who took part in Shramdhan.

The Cleanliness Campaign held at Velachery Railway Station was well received by Passengers and staff and motivated them towards cleanliness and Clean India.

18: Family Welfare Programme

Reproductive and Child Health services are rendered to the Railway beneficiaries effectively. Regular well baby clinic, Antenatal clinic, Immunization clinic, well baby shows etc are conducted through out Southern Railway.

During the reporting year 2014-2015, 6 Laparoscopic camps were conducted. A total of 348 sterilizations and 11 vasectomy operations were performed during the year in Southern Railway.

FW PERFORMANCE FROM APR. 2014-MAR. 2015

Divin.	Railway		Non. Railway		Total	IUD	OP	CC	MTP
	VAS	TUB	VAS	TUB					
PER	3	118	0	96	217	28	512	32700	58
MAS	1	0	0	0	1	34	47	46810	0
TPJ	1	63	0	24	88	12	21	6750	6
MDU	0	29	0	5	34	6	23	13420	0
PGT	0	0	0	0	0	3	0	12400	0
SA	4	4	0	0	8	0	0	4770	0
TVC	2	9	0	0	11	19	0	9635	0
Total	11	223	0	125	359	102	603	126485	64

19. 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.

ZONAL HEALTH PROFILE

A new NCD Profile project has been started in the Zone for collection of Non Communicable Diseases profile of the patients attending Health Units and Divisional Hospitals which would help in studying the trends of disease distribution prevalence of disease and its complications :

In the SR NCD Surveillance the following 10 diseases will be monitored for their changing epidemiological trends and profile shifts in the employees and beneficiaries.

Diabetes Thyroid Disorders. Cancer

Hypertension Chronic Obstructive Pulmonary Disorder Seizure Disorder

Coronary Artery disease Chronic Renal Disorders Substance Abuse Disorders

Cerebrovascular Disorders

NON COMMUNICABLE DISEASE PROILE

	MAS	MDU	PGT	TVC	HQ Hospital
Insulin Depen.dant Diabetes.	1418	2371	717	914	6661
Non Insulin Dependant Diabetes.	7904	10457	3620	3619	
Hyperension	5976	3174	2272	3316	7886
Cardiac Disorders	840	537	412	408	2541
Cerebrovascular Disorders.	100	228	38	28	113
Chronic Renal Disorders.	97	435	38	56	900
Cancers	71	165	45	319	50
Thyroid Disorders.	976	1073	195	486	1223
Seizure Disorders.	346	33	48	53	270
Chronic Respiratory Disorders.	678	566	652	338	951
Substance Abuse Disorders.	44	37	44	121	86

Non Communicable Disease Profile as on Oct 2015

DISEASE PREVENTION & HEALTH PROMOTION ACTIVITIES-APR. 2014-MAR. 2015 HEALTH SCREENING PROGRAMMES

Divin.	No. of Camps	No. Screened	NEW DM	NEW HTM	NEW DM & HTM	DM Retino pathy	CA Breast	Fibroid uterus	Glaucoma	Catar Ract	CAD	Osteo peria	Osteo porosis
PER	8	944	0	0	0	0	1	0	3	0	0	66	36
MAS	24	1274	49	43	23	20	0	17	0	13	12	0	0
TPJ	15	1538	123	52	0	0	0	0	0	14	0	0	0
MDU	35	2477	32	52	0	0	0	0	0	18	0	0	0
SA	22	3185	108	176	44	0	0	0	0	0	0	0	0
PGT	10	762	38	51	26	0	0	0	0	0	9	0	0
TVC	50	5676	185	85	0	0	0	0	0	0	0	24	49
Total	164	15856	535	459	93	20	1	17	3	45	21	90	85

Divin.	No. of Camps	No. Screened	Disorders			Anaemic	Gynae	Ortho	PEM	Worm Infestation	Tonsilitis	Bronchitis	obese
			ENT	Eye	Dental								
PER	1	820	31	62	16	4	6	6	0	0	0	0	0
MAS	2	1306	53	187	163	0	0	0	58	84	22	2	9
TPJ	3	553	0	5	35	12	0	0	0	0	0	0	3
MDU	3	727	121	7	63	13	0	0	0	0	59	0	13
SA	2	530	0	58	236	0	0	0	0	59	0	0	12
PGT	1	390	3	7	5	7	0	2	7	0	9	0	0
TVC	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	12	4326	208	326	518	36	6	8	65	143	81	2	37

EDUCATION PROGRAMMES

Division/Unit	No. of Health Education Programmers	No. of Beneficiaries
PER	13	2355
MAS	27	1185
TPJ	123	4324
MDU	359	6233
SA	9	1600
PGT	14	992
TVC	61	4310
Total	606	20999

20. HIV/AIDS Control

Various awareness programmes, cultural shows, dramas, Rally etc are routinely conducted to create awareness about HIV/AIDS. Our current pool size of HIV/AIDS is 431, which includes 171 asymptomatic cases and 260 full blown AIDS cases. All the HIV cases are regularly followed up and required care and support have been rendered by the counselors, attached to the four Integrated Counseling and Testing Centers (ICTC) in Southern Railway. Anti Retroviral Treatment is being administered at Railway Hospital Perambur to all the people living with HIV Positive to enhance the quality of life.

21. Pulse Polio Immunization

Pulse Polio Immunization was given to 33,140 children below 5 years during Intensive Pulse Polio Immunization campaign during the year 2015.

22. Control of Tuberculosis

Health education sessions 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.

23. St. John's Ambulance Brigade, No. 20, S.Rly. Dist.

The 20th Southern Railway district of SJAB is functioning effectively and First Aid Training to staff are imparted regularly to volunteer employees. The following are the highlights of SJAB activities during the year.

The 41st Annual Inter Zonal Ambulance and Nursing Competitions were inaugurated on 05/08/2014. 14 teams (9 Ambulance and 5 Nursing) took part in the competitions. Around 160 campers including officers attended the Training Camp. The camp was inaugurated on 06.08.2014 at 10.00 hrs. by Sri Shubranshu, DRM/SA and Smt. Navita Singh, CWM/PTJ, presided over the function and issued warrant of appointment to the officers of the camp.

DRRT (Disaster Rescue & Relief Team)

A Fifty member DRRT has been commissioned wef July 2014 as a specialized Medical First Aid rescue and Relief team in the zone with distribution in the divisions.

A 3 day Disaster preparedness and response Training was imparted to selected 50 participants of **SR-DRRT (Disaster Rescue and Relief Team)** from St. John Ambulance Southern Railway 20th District led by Shri Manikandan G Asst Commissioner (DM & Trg.) at National Disaster Response Force (NDRF) Center Arakkonam from 23-25 Feb 2015 in basic training in Mass Casualty Rescue and Relief Step wise approach during emergencies and disasters.

No.20 District DRRT Team

Smt. **Meenakshi Lakshminarayan** Asst. Commissioner (Nursing) was awarded the St. John Ambulance Gold Medal from Honble President Shri Pranab Mukherjee on 18.11.2014 at Rashtrapati Bhavan for her achievements during 2014-15.

MADRAS DIVISION : The Medical Branch Headquarters of Madras Division is at Madras Egmore and Chief Medical Superintendent is in-charge of the division. The Divisional hospital is located at Arakkonam has 50 beds with a well equipped operation theatre, Laboratory and Maternity care facilities. Regular family planning operations are done at Arakkonam. Sterilisation are done with the latest laparoscopic Technology. Apart from Health units, one lockup dispensary is functioning at Kadaperi. ARME scale I is available at Jolarpettai and Chennai Central and scale II at Katpadi, Arakkonam and Sullurpet. At Egmore, dental clinic is functioning with sophisticated Dental equipment. X-ray facilities are available at Egmore and Arakkonam 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.

TIRUCHCHIRAPALLI DIVISION : 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 works are 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 presently 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. All the routine and specialised works are being conducted 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, Cannanur, Calicut, 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. One more Medical out post is 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 Chief Medical Superintendent. The Hospital at TVC has a sanctioned strength of 9 doctors. A Dental clinic is also functioning at RH/TVC with a full time DDS.

In the Divisional Hospital Pettah, There are 50 beds with facilities for X-ray, ECG & Lab. Investigations are available. A physiotherapy unit with all major equipments is also functioning. One Intensive Care Unit with 4 Beds are also available.

PATIENT FRIENDLY IMPROVEMENTS IN HOSPITALS & HEALTH UNITS

In order to enhance the patient friendly services in Health Units and Hospitals, it has been discussed during monthly videoconferences and during the meetings in Divisions by Chief Medical Director with CMS and other doctors and paramedical staff.

CMD. Dr. T. Anjaiah along with CHD, discussing Patient Friendly measures at Madurai and Thiruvananthapuram.

TRAINING FOR PARAMEDICAL STAFF OF THE ZONE

Image : Training Course for Nursing Personnel conducted on 14.07.2015.

The zone has been conducting regular training programmes for Health Inspectors, Pharmacists and Nursing Personnel to enhance their technical knowledge, updating their working and soft skills. In 2015 three training programmes were conducted at Headquarters.

The Divisions are also conducting similar in house training programmes for the paramedical staff at regular intervals.

2. Statistics for the year 2013-2014 and 2014-15

Sl. No.	Particulars	2013-14	2014-15
1	Total No. of staff ..	1,02,525	1,03,159
2	Cost of Medical services ..	1,73,42,40,500	1,96,41,28,000
3	Cost of Medical services per head per annum, ..	16,915.29	19,039.81
4	Cost of Health service in thousands of rupees	32,49.93	20,77.48
5	Cost of Health service per head per annum.	3169.89	2886.10
6	(a) Cost of drugs in rupees ..	50,05,11,500	66,60,05,000
	(b) Total amount of reimbursement in rupees.		
7	Total cost of Medical & Health service per annum per head in Rs.	20,085.18	21925.91
8	No. of Rly. employees & their families treated – New cases.	4,16,988	4,51,597
9	No. of females & children treated – New cases	1,57,202	227361
10	Daily average – out door attendance of Rly. employees & their families at Rly. Hospital/ health units/old & new cases	4722	4100
11	No. of Hospital ..	10	10
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.	9675	9732
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 ..	862	862
B	TB ..	57	57
C	Maternity ..	126	126
D	Isolated ..	5	5
E	ICCU ..	85	85
	Total ..	1135	1135
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.	1205	1205
20	No. of beds per 1000 Rly. employees including TB beds.	11.0	11.0
21	No. of beds per 1000 Rly. employees excluding TB beds.	10.06	10.44
22	No. of TB beds reserved in railway institutions.	0	0

23		2013-2014	2014-2015
24	No. of Rly. Population per Rly Doctor.	3308	2659
25	No. of mobile vans ..	0	0
26	Accident relief medical equipment.		
A	ARME scale I ..	11	11
B	ARME scale II ..	26	26
27	No. of operations performed.		
A	Major ..	5499	6082
B	Minor ..	3760	3394
C	Trivial ..	9933	11030
28	Family welfare activities.		
A	Centres ..	4	4
B	Sub- Centres ..	2	2
29	No. of sterilization operation performed.		
A	Tubectomy ..	375	348
B	Vasectomy ..	10	11
	Total ..	385	359
30	No. of I.U.D. inserted ..	115	102
31	No. of conventional contraceptives distributed.		
A	Condom users ..	2031	1756
B	Diaphragm ..	0	0
C	Jelly cream tubes ..	0	0
D	Foam tablets ..	0	0
32	Oral pills distributed		
A	No. of oral pills ..	501	603
B	No. of users of oral pills ..	39	46
33	Recanalisation facilities		
A	No. of Railway Hospital doing recanalisation.	1	1
B	No. of cases done ..	0	0



1. General

During the year under review cordial and harmonious relations were maintained in this Railway.

2. Number and cost of Staff for 2014-2015 compared with 2013-2014.

Group of Staff	Group		Number of staff			
	Open line		Construction		Total	
	2014-15	2013-14	2014-15	2013-14	2014-15	2013-14
Group 'A'	494	469	134	101	628	570
Group 'B'	451	489	90	87	541	576
Group 'C'	88,246	89,292	1,392	1,404	89,638	90,696
Group 'D'	986	908	17	8	1003	916
Total	90,177	91,158	1,633	1,600	91,810	92,758

Cost of staff (Rs. in lakhs)

	2014-2015	2013-2014
Group 'A'	20,124.67	15,550.39
Group 'B'	10,027.33	8,094.96
Group 'C'	6,54,714.95	5,95,996.79
Group 'D'	2,282.45	1,769.29
Total	6,87,149.40	6,21,411.43

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 2014-2015			No. actually appointed in 2014-2015		
	SC	ST	OBC	SC	ST	OBC
Group 'C'	1,164	779	2,002	683	251	1,653
Group 'D'	599	360	1,027	397	207	637

(b) Promotion of S. C. /S. T. candidates in Group 'C' & 'D' Services : 2014-2015.

(i) Selection and Non selection posts (The details of vacancies reserved for SC and ST in Selection and Non Selection is separately not available)

Category	No. of vacancies reserved		No. of employees actually promoted	
	Scheduled Castes	Scheduled Tribes	Scheduled Castes	Scheduled Tribes
(ii) Within ..	4,451	2,602	2,672	1,021
Group 'C'				
(ii) Within ..	560	191	478	109
Group 'D'				

c) Shortfall of SC/S.T/OBC as on 31st March 2015

Recruitment Categories	SC	ST	OBC
Group 'C'	481	528	349
Group 'D'	202	153	390

(d) Short fall in SC/ST as on 31st March 2015.

Promotional Categories	Scheduled Castes	Scheduled Tribes
Group 'C'	1,779	1,581
Group 'D'	82	82

XII. कर्मचारी/STAFF

(e) Statement showing the Number of employees belonging to Scheduled Caste and Scheduled Tribe.

Group	Total No. of employees as on	Scheduled Castes	Percentage	Scheduled Tribes	Percentage
Group 'A'	608	94	15.5	41	6.7
Group 'B'	650	123	18.9	27	4
Group 'C'	90,023	15,077	16.7	6,178	6.86
Group 'D'	..	..	..	..	..
(excluding Safaiwala).	..	..	..	..	..
Group 'D' Including Safaiwala)	1,883	552	29	109	5.78

4. Recruitment and Training

4.1 Recruitment :

(A) (i) Group "A" and "B" Service— Permanent appointment to Group "A" as well as appointment to Group "B" service that were made during the year 2014-2015, are as follows :-

Department	Group 'A'	Group 'B' (Promotion)
Personnel ..	..	..
General Management ..	2	2
Electrical ..	7	4
Transportation ..	..	..
(Traffic & Comm.) ..	..	9
Engineering ..	5	..
Stores ..	2	1
S & T ..	4	1
Medical ..	7	1
Mechanical ..	5	2
School ..	..	..

(ii) Number of Group 'B' Officers absorbed in Group 'B' during the year 2014-2015.

IRPS—Nil, IRSEE—Nil, IRTS—2, IRSE—Nil, IRSS—Nil, IRSSE—7, IRSME—Nil.

4.2 Training :

(a) (i) Group 'A' and 'B' services.

Staff strength on Southern Railway Department wise as on 31-03-2015.

Sl. No.	Department	Group 'A'	Group 'B'
1	General Management	28	39
2	Personnel	16	43
3	Accounts	32	61
4	Engineering	107	144
5	Transportation & Commercial	53	50
6	Mechanical & CMT	30	51
7	Stores & Press	33	19
8	Electrical	52	68
9	Signal & Telecommunication	26	83
10	Medical	151	20
11	Security	23	..
12	Railway School	..	9
	Total	551	587

(a) (ii) The number of officers who attended the training courses during the year 2013-14 are as follows :-

Training Institutions	Mandatory Course
RSC-Vadodara	57
IRICEN-Pune	60
IRISET-Secunderabad	41
IRIMEE-Jamalpur	12
IRIEN-Nasik	68

4.1 (b) (ii) Number of persons appointed against physically handicapped quota and on Compassionate grounds for the year 2014-15.

Group 'C' Group 'D'

a) No. of Physically Handicapped persons appointed. 13 342

b) No. of persons appointed on Compassionate grounds. 432 38

4.2. (b) Training - Group 'C' Staff :

Sl. No.	Branch	Initial	Refresher	Promotional	Special	Total
1	Mechanical	3750	1300	500	6500	12050
2	Electrical	1531	751	680	411	3373
3	Engineering	1800	2880	120	1823	6623
4	S&T	545	338	180	400	1463
5	Traffic & Comm.	1362	2259	780	2791	7192
6	Personnel	..	..	..	..	..
	Total	8988	7528	2260	11925	30701

4.3 Statement for the Financial year ending 31st March 2015 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 Seats Available	No. of persons included	No. of Rly. Employees to whom issued	No. of Seats Available	No. of persons included
I Class 'A'	Group 'A'	643	3190	19140	603	9648	9500
..	Group 'B'	589	3534	70668	583	4664	13992
I Class	Group 'C'	29482	88546	265632	19148	76576	76776
II Class	Group 'C'	46818	140454	60927	34934	104802	105202
III AC	Group 'C'	1475	5700	17100	9350	28050	37400
II Class	Group 'D'	39049	117147	234294	25748	77244	102992

4.1 (b) (i) Appointments in Group 'C' and Group 'D' categories for the year 2014-15.

	Group 'C'	No. indented	No. supplied
I. Technical	..	1169	1156
II. Non-Technical	..	278	186
III. NTPC	..	28	24

4. (b) (ii) Recruitment of non-gazetted staff for the year 2014-15 are as under :—

Year	Gr. C (incl. erstwhile Gr. D)
2013-2014	4289
2014-2015	5841

4. (b) (i) Number of persons appointed against physically handicapped quota and on Compassionate grounds for the year 2013-14.

Group 'C' Group 'D'

a) No. of Physically Handicapped persons appointed. 13 342

b) No. of persons appointed on Compassionate grounds. 432 38

GMR-11A

5. Relations with Labour :

Industrial relations play a vital role in any industry for improving productivity. Indian Railways being one of the major industries pay much attention for maintaining cordial industrial relation. There are 2 recognized federations at the apex level viz. AIRF & NFIR. Southern Railway Mazdoor Union (a Constituent of AIRF) is the only recognized Union at Zonal level.

The Permanent Negotiating Machinery (PNM) is functioning at three levels viz. Railway Board, Zonal level and Divisional/Extra Divisional level. The PNM meetings are conducted regularly and the problems are sorted 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, Organized Labour are having their members in Central /Divisional Staff Benefit Committee, Housing Committee, Canteen Committee, Hospital visiting committee etc. for better co-ordination and Understanding.

PREM:

Participation of Railway Employee in Management is effectively followed. The members of recognized Trade union and Associations of staff and Associations representing officers are regular meeting and discussing various issues for developing the Railway system.

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 are being implemented to the satisfactory level. The executive departments are implementing the Minimum wages Act and other Labour Acts whenever applicable.

7. STAFF WELFARE ACTIVITIES

(i) Labour Welfare

The Welfare Organisation consisting of Staff & Welfare Inspectors headed by 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 redressal of their grievances.

Staff Information Centres at all Divisional Headquarters and at 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. Grievance Adalats are held periodically at nominated stations.

Pension Adalats and Mid-term Pension Adalats are conducted every year mid December and mid July respectively to redress the grievances of the retired employees.

Preretirement counselling is also arranged once in three/ four months to guide the employees retiring on superannuation.

"Social Security Scheme" is a Welfare scheme introduced by Railways for the benefits of Group 'C' and Group 'D' employees. A nominal amount is collected from every employee, who is a member of this scheme and the amount so collected is utilized as death relief i.e. to give financial assistance to the heirs of the deceased employees at the time of employee's death. This is purely a voluntary scheme. The scheme is managed by a committee consisting of Officers and the members of the Organized Labour at the Divisional and Headquarters level. The scheme also extends the benefits to the employees at the time of their retirement on superannuation /voluntary retirement duly presenting them with a 'Wrist Watch' and an 'Executive folder'.

There are **Fifteen** Rail Kalyana Mandapams existing in this Railway. A nominal and affordable rent is being charged to the serving employees to hold various functions like Marriage, Wedding Reception etc.

(ii) Railway Schools

There are Nine Railway Schools (i.e., three Higher Secondary Schools and six High Schools) in English medium and one Malayalam medium school situated in the Territorial jurisdiction of this Zone, spread over Tamil Nadu and Kerala States, to extend educational facilities mainly to the wards of Railway Employees.

About **3594** children had studied in the Railway Schools during the year 2014-2015.

(iii) Staff Benefit Fund :

(a) Professional/Technical Educational Assistance :

Professional/Technical Educational Assistance : **7920** wards of Railway Employees have been granted scholarship for prosecuting Professional /Technical education and 420 wards were granted Assistance for Diploma during 2014-2015. The total expenditure incurred in respect thereof from the Central Staff Benefit Fund is as under :

DEGREE Courses : 7920 x ₹ 6500/- = ₹ 5,14,80,000/-

DIPLOMA Courses : 420 x ₹ 5000/- = ₹ 21,00,000/-
₹ 5,35,80,000/-

(Rupees Five crores thirty five lakhs eighty thousand only)

Non Professional/Non Technical scholarship 897xRs.3700=
Rs.33,18,900/-

(b) Cash award to Meritorious Students:

Funds to the tune of **Rs. 47,21,634/-** was given as cash award for meritorious wards over Southern Railway.

(c) Book Bank :

Under the auspices of CSBF, the Southern Railway Book Banks have become very popular.

Altogether **seven** Book Banks are functioning at Hqrs. TPJ, MDU, PGT, TVC, PTJ and SA. These Book Banks cater to the needs of the wards of Railway employees pursuing Professional/Technical courses.

A sum **Rs.6,50,000/-** (Rupees Six lakhs fifty thousand only) has been sanctioned towards grant for Book Banks during the year 2014-2015.

(IV) SCHEMES OF BENEFITS TO THE SICK :

1. Financial Assistance towards 'Relief of Distress/ Sickness.

The following assistance were made under this head.

Type of Honorarium	Amount
Honorarium to Barber @ RH / PER-	Rs.22,000/-
Honorarium to HIV/AIDS Counsellor, Lab Technician in Railway hospital/HUs.	Rs.2,22,996/-
Honorarium to Alcohol /Drug Counsellor in Railway hospital/PER.	Rs. 31,613/-
Provision of Light refreshment to Blood Donors at RH/PER.	Rs.2,52,615/-
Funeral expenses to the families of serving employees who had expired in Railway hospitals.	Rs.4,35,000/-

Assistance for sickness to employee's (GP up to Rs. 4,600).	Rs.19,60,000/-
Honorarium to Speech Therapist at RH/PER in Railway hospital/HUs.	Rs.1,72,500/-
Assistance for mentally physically challenged employees & wards.	Rs. 24,55,100/-

2 Indigenous system of medicine:

a) In order to provide medical assistance to such of those employees and their family members who are desirous of having treatments under indigenous system of medicines like Homoeopathy/Ayurvedhic, the following Homoeopathy / Ayurvedhic dispensaries are functioning in this Railway on part time basis :—

Headquarters Office/NGO/MAS	-	Homoeopathic Dispensary
Ayanavaram/MAS	-	Homoeopathic Dispensary
Madurai Dn.	-	Homoeopathic Dispensary
Palakkad Dn. (PGT)	-	Homoeopathic Dispensary
Tiruchchirapalli Dn. (TPJ)	-	Homoeopathic Dispensary
Golden Rock Workshop (GOC)	-	Homoeopathic Dispensary
Podanur Workshop (PTJ)	-	Homoeopathic Dispensary
Shoranur (Palakkad Dn.) (SRR)	-	Ayurvedhic Dispensary
Cannanore (Palakkad Dn.) (CAN)	-	Ayurvedhic Dispensary

An amount of **Rs.13,20,863/-** has been utilized in all the Homoeopathic / Ayurvedhic Dispensaries during 2014 - 15.

b) Place at which the dispensaries were opened during the year with date(s) of opening indicating the system i.e. whether Homoeopathic or Ayurvedic - Nil.

c) Particulars of buildings in which Homoeopathic dispensaries other Non-allopathic dispensaries are functioning.

(i) Railway Hospital Buildings	-	7
(ii) Railway Health Unit Buildings	-	2
(iii) In other Railway Buildings	-	Nil

(V) RECREATIONS AND AMUSEMENT :

1) Holiday Camps :

Holiday camps for Men/Women employees as well as Children of the employees are being conducted regularly in this Railway under the auspices of Staff Benefit Fund Sub-Committees.

Details of Camps conducted in the year 2014-15 is given below :

DN/ Unit	Holiday Camp Conducted During 2014-15	No. of Participants	Amount Spent Rs.	Places Visited
	Employees Camp	109	2,50,000/-	Goa
PGT	Family	81	1,87,00/-	Mangalore (Madikeri Kushal Nagar)
MAS	Children's	55	1,85,000/-	Ooty, Kodaikanal, MDU.
TPJ	Male	70	5,00,000/-	Jaipur
	Female	102	4,42,297/-	Munnar
	Children	60	2,34,100/-	ERS
TVC	Family	120	4,52,710/-	Munnar
	Female	111	2,12,122/-	Goa
	Male	70	2,50,000/-	Goa
LW/ PER	Children	53	54,762/-	UAM, Mettupalayam
S&T/ PTJ	Family	68	84,215/-	Mysore, Bangalore
MDU	Employees	61	7,10,292	Simla, Kulumanal, Amritsar, New Delhi
SA	Family	75	3,43,000	Wayanad, Ernakulam
SA	Family	67	3,71,000	Amritsar, Delhi

2. Promotion of Cultural activity

- (a) Expenditure towards Inter Railway Culture Competition. ₹ 41,195
- (b) Expenditure for Cultural Activities at Rly. Schools is ₹ 5,00,000

3) Women empowerment activities including Higher education for girls.

- a) 25% Re-appropriated to Education head Rs.7,49,980/-
- b) Women's Day Celebration at HQRS Rs 59,504/-
- c) Women's Day Celebration at CN/MS Rs 20,000/-
- d) Women's Day Celebration at MDU Rs. 50,000/-
- e) Women's Day Celebration at EWS/AJJ Rs. 10,000/-
- f) Screening camp for blood cancer and Rs. 30,000/-
- g) osteoporosis at RH/PER
- Total Expenditure Rs .9,19,484/-

(VI) Miscellaneous :

An amount of ₹ 11,36,548/- has been spent towards miscellaneous activities at HQRS.

SALIENT FEATURES OF SOUTHERN RAILWAY WOMEN'S WELFARE ORGANISATION (SRWWO)

1. Ashraya:

A School for mentally challenged wards of Railway men and outsiders is being run by the Southern Railway Women's Welfare Organization (Headquarters) Chennai. There are 28 Children on roll with varying degrees of IQ who are trained in academics and vocation. Computer education is also imparted to the students. The students are provided with all necessary physiotherapy equipments. "Early Intervention" for the age group from 3 years onwards has been started to impart basic skills to them. Apart from the Headquarters organization, such schools for differently-abled children are run by Southern Railway Women's Organization/ Tiruchchirappalli (Udaya) and Southern Railway Women's Organization/Madurai (Akshaya).

2. Welfare:

A Creche named "Blossoms" with strength of 23 is run at Perambur for the benefit of working parents.

3. Shop:

A retail shop with name "Swabhimani" is functioning at Railway Hospital, Perambur to cater to the needs of inpatients and their family members.

4. Other Activities:

Tiruchchirappalli and Chennai Division have schools up to 10th Standard. Primary classes at Palghat and Trivandrum are run by this organization.

Handicraft Centers for the wives and wards of Railway men are functioning 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.

Any other matter not covered by the detailed heads mentioned above is – Nil.

7 (V) Sports activities :

Achievement of Southern Railway Sports Association in the All India Railway Championships:-

- Athletics Men - I
- Waterpolo - I
- Ball Badminton - II
- Basketball Women - II

- Table Tennis - II
- Volleyball Women - II
- Athletics Women - III
- Swimming - III

Achievements of Southern Railway sports persons at commonwealth games held at glasgow, scotland during August, 2014 and Asian games in incheon, Korea

Commonwealth Games: Shri S. Satish Kumar Won the Gold Medal in Weight lifting (77 Kg.) category with new meet Record. Ms.Tintu Luka and Sharada Narayanan (Athletics) are also our Sports persons who have participated.

Asian Games : Ms. Tintu Luka secured Gold in the 4x400 M. Relay and Silver Medal in the 800 M. Preeja Sridharan, Sajeesh Joseph, Joseph Abraham, Sharada Narayan, Renjith Maheswari and Nikhil Chittarasu were Part of the Athletic contingent.

Ms. Raja Priyadarshini was a member of the Indian Basketball team. C. Rajesh was a part of the Cycling Team, Satish Kumar was a member of the Weight lifting team and M.S. Poornima & V.Soumya were members of the Women's Volleyball Team. Shri C.R.Kumar was the Coach of the Indian Women's Hockey team which secured the Bronze Shri P. Vasu was the Technical Official for Volleyball.

ACHIEVEMENTS OF SOUTHERN RAILWAY SPORTS PERSONS IN THE NATIONAL/INTERNATIONAL MEETS :

Athletics : Ms.Tintu Luka and P.T. Usha (Coach) have participated at the IAAF Diamond League Competition at Doha in May 2014 and in Continental Cup at Marrakech (Morocco) in September, 2014.

Shri N. Annavi & P.T. Usha are the Coaches of the Indian team at the Asian Junior Athletics Championships at China in June 2014 and IAAF World Junior Championships at China in June and IAAF World Junior Championships at USA in July 2014.

Billiards & Snooker : Shri Rafath Habib has represented India at the IBSF World 6 Red & Team Championship at Egypt in June 2014 and at the IBSF World Snooker at Bengaluru in November 2014.

Body Building : Shri Raju won the Bronze in 60 Kg. and Shri Anas Hussian the Bronze 70 Kg. at the Asian Body building Championships at Macau, China in September 2014. They also represented India at the World Body building Championships at Mumbai.

Cricket : Ms.N.Niranjana has represented India in UK Tour for Bilateral Series in England in August 2014 and in Test Match against England and South Africa held England. India was the Winner in both the Tests.

Hockey: Shri C.R.Kumar accompanied the Indian Women Hockey team for Champion Challenge at Scotland in April and for 5 Test Matches at Malaysia in June, 2014.

Swimming: Shri Wilson Cherian was the Coach of the Indian contingent at World Championships at Doha in December 2014.

Volleyball (Women): Ms.Meena Mahalingam was the Coach of the Indian Team that won the Gold at South Asian Federation Games in Nepal.

Weightlifting: Shri Satish Kumar represented India at World Championships at Almaty, Kazakhstan in November, 2014.

8. Provision of Staff Quarters :

Provision of Staff Quarters		Programmed Quarters No. of Quarters completed				Quarters involved in schemes, new lines, doubling etc. No. of quarters completed						
Sl. Nos.	Type of Qtrs.	No. of units	2013-2014	2014-2015		No. of quarters under various stages of construction as on 31st March-2014	2013-2014 No. of units	Approximate cost (₹ in lakhs)	2014-2015		No. of quarters under various stages of Construction as on 31st March 2014	Total No. of quarters provided upto 31st March, 2014, including quarters involved in schemes, new lines-doubling, etc;
			Approximate cost (₹ in lakhs)	No. of units	Approximate cost (₹ in lakhs)				No. of units	Approximate cost (₹ in lakhs)		
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Type I	40	300	..	..	..	..	..	..	..	..	..
2.	Type II	91	721.38	183	1111.80	174	16	153	8	91	17	1035
3.	Type III	25	185.47	24	217.42	61	2	20	..	..	41	249
4.	Type IV	3	57.00	..	..	18	..	..	6	60	18	83
5.	Type IV (Special)	..	..	..	..	..	..	..	..	..	..	..
6.	Type V	5	190.58	..	..	..	..	..	..	..	2	23
7.	Barracks	..	..	12	90.00	..	..	..	..	..	..	1

II. Improvements to old type quarters have been carried out during the year 2014-2015 at an estimated cost 1216/- Lakhs.

(ii) The position regarding quarters for Class III and Class IV as indicated below.—

Sl. No.	Category	No. of staff Qrs. as on 31st March 2015		No. of Staff Quarters available as on 31st March 2012
		Essential	Non-Essential	
1.	Class III	31156	43249	Type I = 12,720
2.	Class IV	2268	2340	Type II = 9,911
				Type III = 2,550
				Type IV & V = 957
Total		33,424	45,589	26,138

9. 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 :

2014-2015				2014-2015			
		Group 'C'	Group 'D'			Group 'C'	Group 'D'
1. Signal & Telecommunication Department				(c) Construction			
(i) Signal	6	..	..	(i) Railway Electrification	230	46	..
(ii) Tele-communication	5	..	..	(ii) Organization	..	..	..
(iii) Microwave	64	..	..	4. Commercial			
2. Civil Engineering Department				(i) Commercial Clerks	2,669	..	..
(i) Civil Engineering Permanent Way	6	..	..	(ii) Ticket Checking Staff	3,202	..	..
(ii) Civil Engineering Works	30	..	..	(iii) Catering Staff (Bungalow Iascar)	..	10	..
(iii) Civil Engineering Bridges	1	..	..	5. Operating			
(iv) Civil Engineering Workshop	2	..	..	(i) Train Clerks	354	..	..
3. Electrical Department				(ii) Guards	1,559	..	..
(a) Workshop & production Units				(iii) Traffic Signallers	..	..	..
(i) EMUs	1,536	150	..	(iv) Shunting Staff	5,627	..	..
(ii) Others	1,406	305	..	(v) Yard Staff	..	..	..
(iii) Electric Locomotives	..	..	..	(vi) Others	..	..	..
(b) Open Line				6. Mechanical			
(i) Electrical Loco Shed (AJJ, ED & RPM).	1,462	306	..	Workshops & Production Shops	12	..	..
(ii) EMU Shed (PGT & QLN)	21	23	..	(i) Steam Locomotives	..	..	..
(iii) Rolling Stock Operation	2,746	..	..	(ii) Diesel Locomotives	..	..	..
(iv) Traction Distribution	1,173	826	..	(iii) Carriage & Wagon	11	..	..
(v) General Services	2,602	1,895	..	(iv) AC Locomotives	..	..	..
				(v) Other activities	138	39	..
				Ministerial	..	..	..
				CRC/PRC/Chief loco Ins	11	..	..
				SSE/DSL/HQ/Mech. & Etc.	7	..	..

XIII. यात्रियों को सुख-सुविधाएं/AMENITIES FOR PASSENGERS

1. Permanent Augmentation during the Financial year 2014-15.

[illegible]

2. Drinking Water Arrangements

Sl. No.	Divisions	Name of work	Estimate cost (₹ in lakhs)
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(I) Works Completed**(i) Works costing more than ₹ 5 lakhs each :—**

1. MAS	.. Nil		
2. SA	..	(1) PTJ—Constructions of OHT 90000 lits. capacity and replacement of pipeline grid at 20 block area.	49.50
	..	(2) TUP—Tiruppur Constructions of OHT 45000 lits. capacity including pipeline arrangements from well to good shed area (id. 1849/08-09/CE/OL).	45.00
	..	(3) CBE—Coimbatore Jn.—Provision of Reverse Osmosis plant for providing drinking water to passengers.	29.00
	..	(4) PTJ—S&T Workshop—Installation of Reverse Osmosis Plant.	8.00
3. PGT	.. Nil		
4. TVC	..	TVC Coaching Depot—Provision of carriage watering arrangements between Road No. 12, 13, 14 & 15 for platform turn round attention.	68.92
	..	TCR, AWY & GUV—Supply of potable drinking water.	36.54
	..	ERS Complex—Supply of drinking water.	10.75
	..	CAPE—Augmentation of water supply scheme by provision of bore well, OH. tank and water hydrant.	29.93
5. TPJ	.. Nil		
6. MDU	..	Rameswaram—Additional Drinking water supply in tank mounted lorry to station and colony.	10.17
	..	Karaikkudi—Additional Drinking water supply for carriage watering.	24.36
	..	SNKL Station—Proposed construction of GLR 20,000 litres capacity and provision of 200 mm. dia borewell with pumping arrangements.	7.00
7. CE/CN/ERS	.. Nil		
8. CE/CN/MS	..	CGL—VM doubling works	400.00
9. MTP	.. Nil		

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

1. MAS	.. Nil		
2. SA	.. Nil		
3. PGT	.. Nil		
4. TVC	.. Nil		
5. TPJ	.. Nil		
6. MDU	..	PLNI—Provision of purified drinking water (RO) at PLNI station.	3.02
	..	DG—Provision of purified drinking water (RO) at DG station.	3.02
7. CE/CN/ERS	.. Nil		
8. CE/CN/MS	.. Nil		
9. MTP	.. Nil		

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

1. MAS	..	KPD—Drinking water arrangements.	45.11
	..	JTJ—Drinking water arrangements.	33.08
	..	AJJ—Drinking water arrangements.	26.54
	..	RPM—Drinking water arrangements.	25.82
	..	RPM—Hire lorry drinking water.	385.48
2. SA	..	SA Dn.—Provision of drinking water facilities at good sheds at SA, SAMT, ED, IGU, PLMD & CBF.	50.00

PTJ—Podanur—Provision of individual storage water tank at Staff Quarters (400 Nos.) and augmentation of water supply by drilling three more borewells and pipeline arrangements (id. 1359/08-09) CE/OL. 49.00

PTJ—Salem Division Provision of purified drinking water to stations through water treatments systems @ CBE (id. : 1506/09-10 CE/OL). 20.00

3. PGT	.. Nil		
4. TVC	.. Nil		
5. TPJ	..	GOC—Provision of borewells, construction of GLR and over head tank for RH/GOC and DSL shed/GOC.	162.00
6. MDU	.. Nil		
7. CE/CN/ERS	.. Nil		
8. CE/CN/MS	.. Nil		
9. MTP	.. Nil		

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

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

2. Drinking Water Arrangements**Drinking Water Arrangements Taps/Hand Pumps/Water Huts Provided:**

Division	Taps available during 2013-14	Taps available during 2014-15	Taps provided during 2014-15
MAS	2,092	2,399	307
TPJ	1,787	1,965	178
MDU	1,881	2,026	145
SA	842	1,039	197
PGT	1,007	1,264	257
TVC	1,456	1,473	17
Total	9,065	10,166	1,101

Water Coolers Provided

Division	Coolers available during 2013-14	Coolers available during 2014-15	Coolers provided during 2014-15
MAS	110	96	0
TPJ	37	35	0
MDU	53	51	0
SA	21	24	3
PGT	46	46	0
TVC	49	50	1
Total	316	302	4

3. Details of Passenger Amenity Works over Southern Railway during 2014-15.

1. During the year 2014-15, Eleven (11) passenger amenity works costing ₹ 20.77 crores were completed.

For the year 2014-15, totally 108 passenger amenity works costing ₹ 347.13 crores is in various stages of progress. For the year 2015-16, process for inclusion of 29 new works costing ₹ 48.34 crores under LAW is in process.

During 2014-15, the Budget grant was ₹ 62.29 crores out of which ₹ 69.72 crores was spent which is 112% of BG.

In the current year 2015-16, the Budget Grant allotted for PA work is ₹ 123.80 Crores.

4. Catering :

The Catering Policy 2010, was circulated vide Commercial Circular No. : 35 dated 21-07-2010. All Catering units, both Mobile and Static except Food Plazas, Food Courts & Fast Food Units were taken over from IRCTC for management by Railways. As per Railway Board Letter No. : 2010/TG-III/464/1/NBSP-III dated 28-03-12, Book stalls at A, B, C category stations have also been taken over from IRCTC.

5. Catering Units (Static) :

(i) Licensee managed units.

Sl. No.		MAS	TPJ	MDU	PGT	TVC	SA	Total
1	Cell kitchens	3	1	1	..	1	1	7
2	Refreshment Rooms at A1, & A Category stations.	2	3	3	5	7	4	24
3	Refreshment Rooms at B & C Category stations.	..	3	2	2	1	1	9
4	Refreshment Rooms at D, E, F Category stations.	..	1	..	..	..	1	2
5	Other Small Catering Units at A1, A, B, C Category stations.	82	55	43	84	70	27	361
6	Other Small Catering Units at D, E, F Category stations.	2	24	26	17	20	6	95
7	Milk Stalls/Parlours at A1, B, C, Category stations.	19	7	8	21	19	7	81
8	Milk Stalls/Parlours at D, E, F, Category stations.	..	..	5	10	5	..	20
9	AVMs.	36	2	..	13	7	30	88
10	Exclusive Chemist Stalls.	..	..	..	..	..	..	..
11	Misc. curio/Handloom Stalls.	..	12	14	22	12	4	64
12	Book Stalls (including Higgin Bothams)	27	7	6	16	20	6	82
13	HPMC	11	..	1	3	19	..	34
14	Any other at A1, B, C, Stations.	6	..	..	..	..	1	7
15	Any other at D, E, F, Stations.	..	..	..	..	..	..	..
	Total	188	115	109	193	181	88	874

(ii) Departmental units.

	MAS	TPJ	MDU	PGT	TVC	SA	Total
Jan Ahar	1	..	..	..	1	..	2
Jan Ahar Stall	..	..	..	..	..	1	1
Total	1	..	..	..	1	1	3

6. Mobile Catering Units :

Departmental Units

1. 12081/12082 TVC-CLT-TVC Daily

Jan Shatabdi Exp.

Contractor operated Mobile-catering units under the control of Railways.

Licensee managed Units.

- 12007/12008 MAS-MYS-MAS Shatabdi Exp. 6 days in a week
- 12076/12075 TVC-CLT-TVC Jan Shatabdi Exp. Daily
- 12077/12078 MAS-BZA-MAS Jan Shatabdi Exp. Except Tuesday
- 12083/12084 CBE-MV-CBE Jan Shatabdi Exp. Except Tuesday
- 12615/12616 MAS-NDLS Grand Trunk Express. Daily
- 12617/12618 ERS-NZM Mangala Exp. Daily
- 12621/12622 MAS-NDLS Tamilnad Exp. Daily
- 12643/12644 TVC-NZM-TVC Weekly
- 12651/12652 MDU-NZM Sambark Kranti Exp. Bi-weekly
- 12655/12656 MAS-ADI Navajeevan Exp. Daily
- 12663/12664 TPJ-HWH-TPJ Bi-weekly
- 12665/12666 CAPE-HWH-CAPE Weekly
- 12669/12670 MAS-CPR. Ganga Kaveri Exp. Weekly
- 12675/12676 MAS-CBE Kovai Exp. Daily
- 12677/12678 SBC-ERS Intercity Exp. Daily
- 12679-12680 MAS-CBE Intercity Exp. Daily
- 12687-12688/22687/22688 MDU-DDN/CDG-MDU. Weekly
- 16309/16310 ERES-PNBE-ERS Weekly
- 16311/16312 KCVL-BKN-KCVL Daily
- 16323-16324 TVC-SHM-TVC Bi-weekly
- 16326/16325 TVC-INDB-TVC Weekly
- 16328/16327 TVC-KRBA-TVC Bi-weekly
- 16332-16331 TVC-CSTM-TVC Weekly
- 16334/16333 TVC-VRL-TVC Weekly
- 16336/16335 NCJ-GIM-NCJ Weekly
- 16340/16339 NCJ-CSTM-NCJ 4 days in a week
- 16346/16345 TVC-LTT-Nethravathi Ex. Daily
- 16352/16351 NCJ-CSTM-NCJ Bi-weekly
- 16359-16360 ERS-PNBE-ERS Weekly

30. 16381-16382.CSTM-CAPE-CSTM Daily
Brindavan Exp.
31. 16649/16650 MAQ-NCJ-Parasuram Ex Daily
32. 16687/16688 MAQ-JAT Navyug Exp. Daily
33. 16733/16734 RMM-OKHA-RMM Weekly
34. 22625/22626 MAS-SBC AC Double Daily
Decker Exp.
35. 12641/12642 CAPE-NZM Thirukural Bi-weekly
Exp.
36. 12625-12626 TVC-NDLS Kerala Exp. Daily

Mobile catering units under temporary extension

1. 16317/16318 CAPE-JAT Himsagar Ex. Weekly
2. 16338/16337 ERS-OHKA-ERS Bi-weekly

Mobile catering units under short term contract

1. 22631/22632 MAS-BKN-AC SF Exp. Weekly

Licensee operated Mobile-catering units under the control of IRCTC

1. 12635/12636 MS-MDU Vaigai Exp. Daily
2. 16302/16301 TVC-SRR Venad Exp. Daily
3. 12605/12606 TPJ-MAS-TPJ Pallavan Daily
Exp.
4. 12669/12670 MAS-NZM-MAS Duranto Daily
Exp.
5. 12243/12244 MAS-CBE-MAS Shatabdi 6 days in a week
Exp.
6. 22207/22208 MAS-TVC-MAS SuperFast Exp. Bi-weekly
7. 16353/16354 NCJ-KCG Exp. Weekly

7. Departmental Catering on Trains

(a) Under Management of Railways

1. Train No. 12081/12082 TVC-CLT-CLT Jan Shatabdi
Exp.

(b) Under Management of IRCTC

1. Train No. 12269/12270 Duranto Exp.
2. Train No. 12243/12244 Shatabdi Exp.
3. Train No. 22207/22208 AC Super Exp.

8. Cheap Food Packets

Exclusive Jan Ahars are functioning at MAS & CAPE, which are managed by Railways. Jan Ahar stall is functioning at Erode.

9. Catering Supervisory Committee

Catering Monitoring Cell is functioning at Headquarters and Divisions.

10. Indian Railway Catering & Tourism Corporation (IRCTC)

At present, IRCTC is managing 18 food plazas, 6 Fast Food units at various stations and 3 Mobile units over Southern Railway.

Sailent Features/Improvements

Catering Monitoring Cell (CMC) : To ensure prompt and immediate rectification of deficiencies and complaints, a CMC is functioning at Zonal Headquarters and TVC Division and the Commercial Control functioning in MAS, MDU, TPJ, PGT & SA has been strengthened.

As advised by Board vide letter No. 2009/TG-III/631/2/ Pt(i) dt. 10-12-2013, a schedule of inspection at level of SAG, JAG, Sr. Scale, Asst. Scale and Catering Inspectors/ Supervisors have been drawn and sent to all Commercial Offices. On receipt of report from the Officers/Inspectors they are personally scrutinized by CCM/Catg. & PS and penalties such as warnings, fines etc are levied against the erred licensee.

Pilot Project/Innovative Concept :

As an innovative measure Southern Railway has introduced "State of Art" catering concept by permitting M/s. Atchayam Business Solutions Pvt. Limited to install "Atchayam Food Box" which offers the best possible variety of cuisines from high quality restaurants. Branded pre-cooked and heated catering items in sealed containers are delivered through the Automatic Vending Machine and opened only by the end customer to ensure freshness and hygiene. This installation of the Automatic Food Dispenser at Chennai Central Railway Station is a pilot project for a trial period of one year.

Regional cuisine has been introduced in Shatabdi/ Rajdhani/Duranto Express trains to Cater to the needs of travelling passenger.

On going Projects :

Tenders have been floated for 45 trains in 7 phases. Out of which fresh license has been awarded for 36 trains. Fresh contracts for 36 trains have already been commenced.

Tenders have been finalized for 26 major units and LOA have been issued for all the 26 units. Out of which 21 major units have already been commenced.

Minor Units :

In Chennai Division, tenders have been invited for 43 GMUs of which 13 GMUs have been awarded. Applications have been called for 34 SMUs of which 30 SMUs have been awarded.

11. Details of Amenities provided during the Year 2014-15

Sl. No.	Description of Amenity	Unit	Amenities MAS Divn.		Amenities SA Divn.		Amenities PGT Divn.		Amenities TVC Divn.		Amenities TPJ Divn.		Amenities MDU Divn.		Amenities CE/CNERS		Amenities CE/CN/MS		Total Expenditure (in thousands of ₹)
			Provided during the year 2014-15	Expenditure in thousands of ₹	Provided during the year 2014-15	Expenditure in thousands of ₹	Provided during the year 2014-15	Expenditure in thousands of ₹	Provided during the year 2014-15	Expenditure in thousands of ₹	Provided during the year 2014-15	Expenditure in thousands of ₹	Provided during the year 2014-15	Expenditure in thousands of ₹	Provided during the year 2014-15	Expenditure in thousands of ₹	Provided during the year 2014-15	Expenditure in thousands of ₹	
1	Waiting hall	Sq. m.	58	613.60	225	4050.00	0	0	0	0	0	0	73.44	1000.00	0	0	245	2082	7745.60
2	Seating arrangements	Nos.	114	0	1256	18840.00	0	0	0	0	0	0	110	1300.00	0	0	245	300	20440.00
3	Covering platforms	Sq. m.	1155	0	9901	72500.00	855	914.00	0	0	1222.00	750.00	800	5000.00	0	0	1264	2246	164392.00
4	Drinking water arrangements																		
1.	Hand pumps	Nos.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	50	60.00
2.	Taps	Nos.	300	0	41	10.25	0	0	0	0	25	250.00	18	180.00	0	0	20	100	540.25
5	Foot over bridge	Sq. m.	2	0	1	542.00	0	0	0	0	1	5600.00	1	11000.00	0	0	6	45000	62,142.00
6	Waiting rooms	Sq. m.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Suitable platform including raising	Nos.	0	0	1587.6	434470.00	2227	4780.00	9252	297.11	0.84	4038.00	6930	17221.00	0	0	2500	2742	463578.11
8	Booking windows-cum-reservation counter.	Nos.	0	0	1	3,200	6	5200.00	0	0	0	0	0	0	0	0	0	0	8400.00
9	Sanitised latrines	Nos.	0	0	12	1500.00	4	384.00	0	0	0	0	0	0	0	0	1	0	385262.00
10	Waiting-cum-booking office	Nos.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Retiring rooms	Nos.	3	613.60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Enquiry counter	Nos.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total			1633	1227.20	13124.60	1187612.25	3093	1307418.00	9253	307.11	26.84	9888.00	7092.44	35701.00	0	0	4283	52520	2594089.96

12. Passenger Amenity Works completed during 2014-15

Sl. No.	PB/ Item No.	Work	Cost
1	LAW 1544	TAMBARAM-Provision of escalators (2 Nos.) (id: 1678/08-09), CE/OL.	15,039
2	LAW 1550	MS-Improvements to PF surfaces with vacuum dewatered concrete, Replacement of AC sheets with GI sheets in station building (id: 1458/ 10-11), CE/OL.	15,463
3	LAW 1569	MADURAI DIVISION-TPJ-MNM Section (Provision of light weight shelters 4 bays each at 8 stations) (id: 1552/09-10), CE/OL.	115,000
4	LAW 1582	SHORANUR-Reconstruction of PF No. 1 for 8 coaches length and extension upto 14 coaches length as high level. (id: 1482/10-11), CE/OL.	11,800
5	LAW 1584	MANGALORE Jn.-Provision of PF shelter 4 bays 7.14 m. wide on PF No. 1 (IRS type) & improvements to PF surface. (id: 1484/10-11), CE/OL.	18,131
6	LAW 1585	SHORANUR-Improvements to PF surface with vacuum dewatering concrete on PF No. 6 & 7. (id: 1490/10-11), CE/OL.	10,200
7	LAW 1595	ADEN/ED Sub Dn.-(i) Extension of PF length in ANU, CV, TPM, VZ (4-stations) & (ii) SGE-Raising of PF No. 2 to high level. (id: 1469/10-11), CE/OL.	19,852
8	LAW 1602	VILLUPURAM- Rebuilding, of station building, 19,494 waiting hall, platform shelter & improvements to circulating area. (id: 448/PB 03-04), CAO/CN.	22,538
9	LAW 1604	SIRCARPALAYAM-Renewal of corroded Main steel pipe line 375 mm. dia. with 400 mm. dia ductile iron pipe for residual length of 2100 metres long.	10,300
10	LAW 1609	TRIVANDRUM DIVISION-Provision of shelter in PF 2 & 3, at PVU and PF 1 and PF 2 at CRY. (id: 1528/09-10), CE/OL.	28,000
11	PB 689	Madurai Jn.-Escalators at platform Nos. 1, 2, 3 & 8 (3 Nos.)	38,000
12	PB 692	Southern Railway - Escalators at major stations (4 Nos.) (2 stations).	28,000

Sl. No.	PB/ Item No.	Work	Cost
13	PB 696	Southern Railway-platform shelters (2 Nos. - B-category stations & 23 Nos.- D-category stations).	12,804
14	PB 698	Palghat & Trivandrum Divisions - Foot over bridges (10 Nos.) D - category stations).	11,739
15	PB 702	Chennai Division-Elimination of deficiencies in minimum essential passenger amenities (various stations) phase-II).	28,280
16	PB 712	Southern Railway-Escalators at major stations (4 Nos.) (2 stations) (Supplementary 08-09 item).	14,000

Passenger Amenity Works in Progress during 2014-15

Sl. No.	PB/ Item No.	Work	Cost
1	PB 683	Basin Bridge-Augmentation of water supply arrangements by installation of recycling plant & electronic monitoring system.	64,885
2	PB 684	Chennai Egmore - Improvement to passenger amenities incl. beautification.	66,000
3	PB 685	Basin Bridge Jn.-Repl. of foot over bridge.	38,000
4	PB 686	Coimbatore-2nd subway from main entry side connecting platforms 1 to 4.	56,200
5	PB 687	Ambur, & Jolarpettai - Upgradation as model stations.	57,701
6	PB 688	Palghat Division -Foot over bridges (5 (5 stations).	31,680
7	PB 690	Sulurpeta - Gummidipundi & Tiruvallur-Arakkonam-Extension of platforms for 12-car electrical multiple units.	33,318
8	PB 691	Madurai-Reconstruction of steel foot over bridge with 5 stairs.	38,000
9	PB 693	Palghat & Trivandrum Division - Raising of rail & medium level platforms to high level (B-category - 3 & D-category- 24 stations).	16,200

Sl. No.	PB/ LAW	Item No.	Work	Cost
10	PB	694	Tiruchchirappalli & Madurai Divisions - Raising of rail & medium level platforms to high level (B-category - 3 & D-category-19 stations).	1,32,000
11	PB	695	Chennai & Salem Divisions-Raising of rail & medium level platforms to high level (B-category - 2 & D-category-13 stations).	90,000
12	PB	696	Southern Railway - Platform shelters (2 Nos.-(B-category stations & 23 Nos.-D-category stations).	21,393
13	PB	697	Ennore, Attipattu, Anuppampattu, Kavarai- pettai & Elavur-Repl. of steel foot over bridges.	47,000
14	PB	698	Palghat & Trivandrum Divisions-Foot over bridges (10 Nos. (D-category stations).	21,361
15	PB	699	Thiruvananthapuram Division - Extension of platforms for holding longest stopping trains.	41,000
16	PB	700	Chennai & Salem Division - Foot over bridges (5 Nos.) (D-category stations).	33,000
17	PB	703	Thiruvananthapuram - Addl. foot over bridges (5 m. wide) at Nagercoil end.	29,800
18	PB	705	Varkala, Paravur & Quilon Jn.-Improvement to passenger amenities.	30,000
19	PB	706	Alleppey, Shertalai & Turavur-Improvement to passenger amenities.	37,000
20	PB	707	Chennai Division-Improvement to Adarsh stations (8 statios).	67,816
21	PB	708	Kannur, Vadakara, Thalassery & Tirur-Provision / improvement to passenger amenities.	78,200
22	PB	709	Thiruvananthapuram Division-Raising/ extension of platforms (17 stations).	1,43,100
23	PB	710	Kozhikkode - 2nd foot over bridge at Shoranur end connecting platform Nos. 1, 2/3 & 4.	56,700
24	PB	711	Karakad, Bekal Fort, Vallikunnu & Trikar- pur-Foot over bridges.	28,600
25	PB	712	Southern Railway - Escalators at major stations (4 Nos.) (2 stations) (Supplementary 08-09 item).	14,000
26	PB	713	Southern Railway-Escalators at various stations (22 Nos.) (10 statios).	1,38,600
27	PB	714	Madurai, Rameswaram & Thiruvananthapuram-Joint Development of stations in association with Ministry of Tourism (PB 781/2012-13/NR).	3,30,000
28	PB	715	Tiruchchirappalli - Foot over bridge connecting 1st entry & 2nd entry with ramp on one side & staircase on other.	40,000
29	LAW	1542	Tiruninravur-Replacement of existing FOB connecting PF No. 1 & 2.	12,679
30	LAW	1543	Chennai Egmore-Extension of Existing FOB No. 23C from PF No. 7 to PF 10/11.	19,464
31	LAW	1545	CHENNAI DIVISION-MSB-TBM section)- Provision of new elevated booking office at Mambalam on eastern side. (id: 1453/10-11), CE/OL.	21,000
32	LAW	1546	CHENNAI DIVISION-Provision of new foot over bridge connecting left hand side circulating area to PF No. 6 at Egmore. (id: 1454/10-11), CE/OL.	16,066

Sl. No.	PB/ LAW	Item No.	Work	Cost
33	LAW	1547	CHENNAI - ARAKKONAM Section - Extension of the existing FOB at Pattabiram and Vyasarpadi Jeeva stations. (id: 1455/10-11), CE/OL.	22,440
34	LAW	1548	CHENNAI - ARAKKONAM Section - Provision of station building at PER, PCW, PEW, AVD & NEC, elevated level booking office at TI, CBE.(id: 1456/10-11), CE/OL.	19,400
35	LAW	1549	CHENNAI - ARAKKONAM Section - Extension of the existing FOB at HC and ANNAR station.(id: 1457/10-11), CE/OL.	17,040
36	LAW	1551	CHENNAI CENTRAL - MOORE MARKET COMPLEX - Replacements of existing broken AC sheets in PF No. 6 to 9 & 14. (id: 1459/10-11), CE/OL.	18,666
37	LAW	1552	CHENNAI EGMORE-Improvements to yard drainage arrangements. (id: 1459/10-11), CE/OL.	16,208
38	LAW	1553	CHENNAI CENTRAL-Renewal of corroded pipelines and seperation of Raw water and potable water pipelines. (id: 1463/10-11), CE/OL.	13,528
39	LAW	1554	CHENNAI-GUDUR Section - Provision of new FOB 3.0 m. wide in lieu of the existing corroded FOB at TVT and ENR. (id: 1461/10-11), CE/OL.	19,024
40	LAW	1555	CHENNAI BEACH-VILLUPURAM Section - Provision of IRS type PF shelters at stations TBM, PV, GI, VDR & STM. (id: 1464/10-11), CE/OL.	18,540
41	LAW	1556	CHENNAI CENTRAL-Provision of coach indication boards and at a glance boards (PF No. 1, 2, 2A, 3, 4, 5, 6, 7, 8, 9, 10 & 11. (id: 1465/10-11), CSTE.	14,474
42	LAW	1557	CHENNAI CENTRAL-Provision of 10 lakh litre GLR incl. replacement of existing corroded water supply pipelines. (id: 1466/10-11), CE/OL.	16,960
43	LAW	1558	CHENNAI Dn.-Replacement of existing PS/ CI tanks with RCC tanks-at CGL, TMV, TBM, MJR, WST, TNPM, RPM, TNPM, MLPM. (id: 1467/10-11), CE/OL.	17,903
44	LAW	1559	CHENNAI DIVISION-Provision. of elevated level booking office at MKK, GDY & STM, Improvement to booking offices at MSF, MPK. (id: 1462/10-11), CE/OL.	19,662
45	LAW	1560	CHENNAI EGMORE-Development of pro. circulating area on western side of exg. RMS office and Provision of one No. of lift at pro. FOB near parcel off.	18,594
46	LAW	1561	CHENNAI EGMORE-conversion of service building into waiting hall, Constrn. of FF of the building; toilet block, Impr to the concourse and impr. to FOB.	18,182
47	LAW	1562	PATTABIRAM-Provision of RCC ramp to the existing FOB.	13,000
48	LAW	1563	PERAMBUR-Additional exit to PF No. 1 duly shifting of existing parking and paving of circulating area.	23,200
49	LAW	1564	AJJ-JTJ Section-WJR-Extension of PF No. 1, 2 & 3 to hold 24 bogies.	19,426
50	LAW	1565	MAS-GDR Section-Replacement of existing corroded Rail Type Foot Over Bridge at Ponneri.	17,485

Sl. No.	PB/ LAW	Item No.	Work	Cost
51	LAW	1566	Katpadi-Provision of Washable apron to road No. 1.	14,667
52	LAW	1567	MS-Provision of Washable apron along-with drainage arrangements at PF No. 1.	12,286
53	LAW	1568	MADURAI DIVISION-SVKS, TN, CVP, KDU, TDN & TSI-Pro. of 6 bays of Passenger shelter in each stations. (id: 1550/09-10), CE/OL.	16,075
54	LAW	1570	RAMESWARAM-Pro. of passenger shelter for 6 bays each on PF Nos. 2 & 3 and 4 & 5. (id: 1498/10-11), CE/OL.	13,454
55	LAW	1571	MDU Dn.-Provision of PF shelters at TEN & VPT including PF surface improvements and provision of water taps in sheltered area. (id: 1499/10-11), CE/OL.	14,494
56	LAW	1572	MADURAI Jn.-Provision of approach road to the new parcel office and additional parking area. (id: 1500/10-11), CE/OL.	15,200
57	LAW	1573	RAMESWARAM-Impr. to PF 4 & 5 by providing addl. water taps, PF shelter and construction of toilet, impr. to circulating area, ticketing concourse.	15,000
58	LAW	1575	Pamban koil shandy-Proposed extension of exg. low level and rail level platform No. 1 & 2 to BG high level to the length of 580 m.	18,763
59	PB	1576	MAHE & QUILANDI-Provision of PF shelter 4 bays, 7.14 m. wide. (id: 1475/10-11), CE/OL.	16,150
60	LAW	1577	VADAKARA-Provision of PF shelter 4 bays, 7.14 m. wide (IRS Type) on Down line PF at SRR end at SRR end. (id: 1476/10-11), CE/OL.	10,300
61	LAW	1578	KASARGOD-Provision PF shelter 3 bays, 7.14 m. wide (IRS Type) on Down line PF at SRR end and 4 bays, 7.14 m. wide. (id: 1477/10-11), CE/OL.	16,664
62	LAW	1579	TIRUR & UPPALA-Provision of second FOB at TIR and provision of FOB at UAA. (id: 1478/10-11), CE/OL.	12,610
63	LAW	1580	VADAKARA-Extension and raising of PF No. 2 to hold 24 coaches and construction of PF No. 3 to hold 24 coaches. (id: 1480/10-11), CE/OL.	16,416
64	LAW	1581	SHORANUR-Provision of PF shelter 4 bays 11.50 m. wide (IR Type) on PF No. 1 and on PF No. 6/7 (2 bay each at PGT and MAQ ends). (id: 1481/10-11), CE/OL.	14,570
65	LAW	1583	Nilambur - Provision of new booking office and circulating area at second entry and high level PF with 18 coaches length (id: 1483/10-11), CE/OL.	18,460
66	LAW	1586	MANGALORE CENTRAL-Reconstruction of PRS center.	15,074
67	LAW	1587	PALGHAT DIVISION - Extension of rail level PF at 6 stations-Ettimadai, Kanjikkode Pallipuram, Tirnavaya, Kallayi and West Hill.	18,184
68	LAW	1588	PALGHAT DIVISION - Extension of rail level-PF at 6 stations-Lakkiti, Elathur, Jaggannath temple gate, Tikkoti, Kannur South and Pappinisseri.	19,655

Sl. No.	PB/ LAW	Item No.	Work	Cost
69	LAW	1589	PGT Division-Provision of mini shelters at various stations in DEN/West/PGT portion.	20,008
70	LAW	1590	Kozhikode (CLT)-Provision of conventional type CC apron on line of PF-1 for a length of 500 m.	19,964
71	LAW	1591	CBE-Proposed construction of new PRS complex (G+2) with Parking and cafeteria arrangements at Western side entrance.	19,800
72	LAW	1592	BOMMIDI - Extension of PF No. 1 for 295 m. and PF No. 2 & 3 (island) for 150 m. to accommodate 24 coach trains for length of 650 m. (id: 1507/09-10), CE/OL.	24,626
73	LAW	1593	Coimbatore Jn.-Improvement to circulating area at Eastern side and Western side (id: 1508/09-10), CE/OL.	17,272
74	LAW	1594	ADEN/KRR Sub Dn.-(i) Extension of PF No. 1 - Rail level to medium level and extension of PF No. 1 medium level MPLM, PAS & CVD. (id: 1468/10-11), CE/OL.	16,387
75	LAW	1596	BUDDIREDDIPATTI - Proposed extension of PF 1 & 2 for 24 coach length and provision of FOB to connect PF 1 & 2. (id: 1470/10-11), CE/OL.	19,020
76	LAW	1597	SALEM Dn.-Provision of True colour LED display Boards over SA Division.(id: 1471/10-11), CE/OL.	21,177
77	LAW	1598	CBE-Proposed PF shelter and light weight PF shelter base at PTJ, CBF, PLMD, SHI, IGU, SUU, SNO, VNJ. (id: 1472/10-11), CE/OL.	19,275
78	LAW	1599	TIRUPPUR - Proposed construction of second class waiting hall in PF No. 2 construction of staff qrs. 10 units (Type-II. (id: 1473/10-11), CE/OL.	16,280
79	LAW	1600	Salem Dn.-Proposed widening and improvements to circulating area. (id: 1474/10-11), CE/OL.	14,300
80	LAW	1601	ADEN/ED/PTJ-(i) Ext. of PF 1 (175 m.), 2 (285 m.) at UKL (ii) Ext. of PF No. 1 (81 m.), 2 & 3 (166 m.) at Vanjipalayam and PF No. 1, 2/3 (135 m. each) at IGU.	19,759
81	LAW	1603	TPJ-(i) Provision of PF shelter on PF No. 1 and (ii) Provision of additional multilevel parking for two wheelers in main entry. (id: 1497/10-11), CE/OL.	11,148
82	LAW	1605	TIRUCHCHIRAPPALLI FORT-Extension of PF No. 1 to hold 24 bogies.	19,876
83	LAW	1606	TPJ Division-Provision of Minimum Essential Amenities at railway stations to make good the shortfall arisen due to revised change of category.	15,000
84	LAW	1607	Provision of washable aprons at Tiruchchirappalli PF No. 1A & VIP siding and Kumbakonam PF No. 1	13,927
85	LAW	1608	TRIVANDRUM DIVISION-Extension of platforms to hold 24 bogies (3 stations). (id: 1963/07-08), CE/OL.	23,558
86	LAW	1610	TRIVANDRUM DIVISION-Provision of FOB at KCVL connecting PFs, main entry & second entry. (id: 1542/09-10), CN/TVC.	24,800
87	LAW	1611	TRIVANDRUM Dn.-Improvements to approach roads and circulating area at MVLK, OCR, PRND & STKT. (id: 1496/10-11), CE/OL.	12,334

Sl. No.	PB/ LAW No.	Item	Work	Cost	Sl. No.	PB/ LAW No.	Item	Work	Cost
88	LAW 1612	Vallatholnagar (VTK)-Raising & extension of PF No. 2 and pave with vacuum dewatered concrete.		19,000	92	LAW 1622	Amenities at Adarsh Stations-Provision of High Level Platforms at Kannapuram And Kottikkulam.		16,221
89	LAW 1613	TVC Divn.-Provision of Passenger amenities as per MEA at NEM, BRAM, NYY, AMVA, DAVM & PASA.		19,954	93	LAW 1623	SA' Divn. - Camtech Design Watering facilities at ED platforms.		12,926
90	LAW 1620	TAMBARAM-Imp. to second entry of TBM station (Eastern side).		19,867	94	LAW 1624	Puducherry - Conversion of existing goods PF into passenger PF No. 4.		19,876
91	LAW 1621	MAS - Renovation and modification of parcel office duly constructing FF over the exg. parcel office building.		17,200	95	LAW 1625	KZK-Raising of PF 2 & 3, Provision of PF Shelter, waiting room and improvements to circulating area.		17,897

13. Expenditure incurred on Passenger and Other Railway Users' amenities 2014-2015

(Figures in lakhs of ₹)

1	2	3	4	5
Details of basic amenities and additional facilities	Plan-head Passenger and Other Railway Users Amenities	Plan-head Computerisation	Other Plan heads like New Lines, Doubling etc.	Total
A. Basic Amenities—				
1. Proper booking arrangements..	193	0	0	193
2. Waiting Hall ..	149	0	0	149
3. Benches ..	41	0	0	41
4. Suitable arrangements for Electric Lighting ..	120	0	0	120
5. Drinking water supply arrangements at stations ..	232	0	0	232
5(a) Drinking water supply arrangements in the trains ..	115	0	0	115
6. Platform with well maintained surface (Rail level platforms at flag stations)	87	0	0	87
7. Latrines ..	18	0	0	18
8. Shady trees ..	46	0	0	46
B. Additional facilities—				
1. Urinals ..	6	0	0	6
2. Platform Covers ..	1261	0	0	1261
3. Bath facilities ..	4	0	0	4
4. Water Coolers ..	1	0	0	1
5. Foot Over Bridges or Subways ..	1013	0	0	1013
6. Washable Aprons ..	90	0	0	90
7. Retiring Rooms & Rail Yatri Niwas ..	14	0	0	14
8. Refreshment Rooms, Base kitchens and Trolleys/Stalls for Catering & Vending. ..	4	0	0	4
9. Improved lighting and fans on platforms ..	98	0	0	98
10. Enquiry Offices, Train indicator Boards ..	101	0	0	101
14. Expenditure incurred on Passenger and Other Railway Users' amenities 2014-2015				
B. Additional facilities—(Concl'd).				
11. Reservation Offices—Computerised Reservation. ..	18	557	0	575
12. Improvements to circulating area ..	432	0	0	432
13. Car, Tonga, Cycle stands ..	80	0	0	80
14. C. C., TV ..	0	1	0	1
15. Cushioning of Second Class Berths ..	0	0	0	0
16. Renovation/Remodelling of station buildings ..	60	0	0	60
17. Carriage Watering ..	17	0	0	17
18. Book Stalls ..	2	0	0	2
19. Raising, lengthening, widening and resurfacing of platforms ..	1969	0	0	1969
20. Public address system ..	38	0	0	38
21. Exhibition of Time-Table sheets on Glass Fronted Frames..	30	0	0	30
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.	344	0	0	344
23. Improved latrines ..	0	0	0	0
24. Miscellaneous improvements to existing amenities, viz., provision of seats, hedges, etc.,	235	0	0	235
Total	6819	557	0	7374

(Figures in lakhs of ₹)

1	2	3	4	5
Details of basic amenities and additional facilities	Plan-head Passenger and Other Railway Users Amenities	Plan-head Computerisation	Other Plan heads like New Lines, Doubling etc.	Total
C. Other Railway Users' amenities (for Goods Sheds and Parcel Offices)—	6819	557	0	7374
1. Arrangements for drinking water including water coolers, water trollies, etc.,	3	0	0	0
2. Waiting accommodation	123	0	0	123
3. Refreshment Rooms & Vendors Stalls	1	0	0	1
4. Latrines	3	0	0	3
5. Miscellaneous arrangements like provision of seats, hedges & shady trees	19	0	0	19
6. Lighting arrangements and provision of fans	17	0	0	17
7. Rest shelters for licensed porters	0	0	0	0
Grand Total	6985	557	0	7542

15. Statement of Actual Expenditure under Amenities for Staff for the year 2014-2015

Sl. No.	Description	(Figures in Thousands of ₹)		
		Gross	Credit	Net
1.	New Hospitals, Dispensaries, additions and improvements to existing ones.	1,64,775	0	1,64,775
2.	New Schools, additions, alterations, improvements & additions to Existing ones.	442	0	442
3.	New Institutions, rest houses, sports grounds, reading rooms, Improvements & additions to existing ones.	9,416	0	9,416
4.	Provision and improvement of health and welfare works & maternity centres.	23	0	23
5.	Cooking arrangements for workshops canteens & rest houses for workmen.	0	0	0
6.	Provision and improvements of sanitation, water supply, road lighting and marketing facilities in Railway colonies.	36,039	0	36,039
7.	Improvements Alterations to Existing quarters whatever type ..	15,636	33	15,603
8.	Others Works	1,783	0	1,783
9.	Total Col. 1 to 8 (Staff Amenities)	2,28,114	33	2,28,081
10.	Provision for Officers' Quarters	25,652	192	25,460
11.	Quarters for Class III Staff	75,391	2,129	73,262
12.	Quarters for Class IV Staff	10,277	0	10,277
13.	Total Col. 10 to 12 (Staff Quarters)	1,11,320	2,321	1,08,999
14.	Total Col. 9 +13	3,39,434	2,354	3,37,080
15.	Medical Expenses — J 200	20,00,844	0	20,00,844
16.	Health and welfare services — J 300	3,20,262	0	3,20,262
17.	Education — J 100.. .. .	6,43,819	0	6,43,819
18.	Canteen and other staff amenities — J 400	57,419	0	57,419
19.	Staff Training — K 500	5,20,545	0	5,20,545
20.	Total Col. 15 to 19	35,42,889	0	35,42,889
21.	Grand Total Col. 14 + 20	38,82,323	2,354	38,79,969

16. Concession in fares : Nil.**A. Mobile Booking Service**

The pilot project was launched for issuance of unreserved tickets through mobile phones in the suburban sections of Chennai Division on 15-01-2015 as per the directives issued by the Railway Board vide letter No. 2007/C & IS/OTH/Ref. Doc for PPP dated 22-02-2012.

Accordingly, UTS mobile ticketing facility has been enabled in 5 suburban selected stations over MAS Division namely Chennai Beach, Chennai Egmore, Saidapet, Chrompet, Tambaram and further proliferated to 18 locations with effect from 22-02-2015 namely, Chennai Fort, Velacherry, Chennai Ambattur, St. Thomas Mount, Palavanthangal, Chennai Park, Nungambakkam, Mambalam, Tiruvanniyur, Thirumayilai, Chennai Central, Perambur, Guindy.

(1) No. of stations functioning for issue of Passenger Traffic during 2014-15.

(i) No. & Name of City/Town Booking Offices	..	3
(ii) No. & Name of City/Town Booking Agencies	..	Nil.
(iii) No. of Name of Out Agencies.	..	3
(iv) No. of Street Collection and Delivery services (pertains to Dy.CCM/FM).		

(2) No. of stations Opened/Closed during 2014-15 for issue of passenger Traffic 2014-15.

(i) No. & Name of City/Town Booking Offices opened/closed	Nil.
(ii) No. & Name of City/Town Booking Agencies opened/closed	Nil.
(iii) No. of Name of Out Agencies closed	.. 6
(iv) No. of Street Collection and Delivery services (pertains to Dy.CCM/FM).	

(3) No. of Halts functioning during 2014-15 .. 155
(includes Halts presently closed as a result of Gauge conversion in that section.

(i) Train halts converted into flag stations	..	Nil
(ii) Stations opened/closed for traffic	..	Nil
(iii) Block stations downgraded into flag/train halts	..	Nil
(iv) Train halts opened for passenger traffic	..	Nil
(v) Train halts closed for passenger traffic	..	4*
(vi) Train Halts re-opened for Passenger Traffic	..	Nil

* Hillgrove halt converted as operational halt closed for passenger traffic w.e.f. 05-01-15

Sl. No.	Out Agency	Station	Date of closing
1	Arunmoola	Chegannur	13-8-14
2	Adimali	Alwaye	13-8-14
3	Katapana	Kottayam	31-8-14
4	Thodupuzha	Emakulam	31-8-14

Sl. No.	Out Agency	Serving Station	Date of closing
1	Ponnani	Kuttipuram	31-3-15
2	Pazhassi	Thalassery	31-8-15

Sl. No.	Out Agency	Division	Date of closing
1	Tolasampatti	Salem	1-1-15
2	Neykkarapatti	Salem	1-1-15
3	Hillgrove	Salem	5-1-15
4	Pandiyapuram	Madurai	20-1-15

17. The converted BG line opened for Passenger/Goods Traffic during 2014-2015.

Section	Division	Date of Opening	Opened for
Manamadurai Jn. (MNM) Virudhunagar Jn. (VPT) BG Section	MDU	04-04-2014	Opened for goods Traffic. The chargeable distance has been notified.
The remaining position of Palani (PLNI) - Pollachi (POY) of DG-POY section.	MDU	19-01-2015	Opened for goods Traffic. The chargeable distance has been notified.

Section/Line closed for Passenger Traffic during 2014-15.**18. The Station opened/reopened for Goods Traffic during 2014-2015.**

Section	Division	Date of Opening	Opened for
Tirunavaya (TUA) BG	PGT	12-06-2014	Opened for Full Rake handling for Goods traffic.
Melpakkam (MLPM) BG	MAS	17-06-2014	Opened for auto mobile traffic for both inward and outward in local and through booking.
Angadipuram (AAM) BG	PGT	18-08-2014	Opened for Half Rake handling for Goods traffic.
Mecheri Road (MCRD)	SA	08-12-2014	Opened for Inward Traffic in Half Rake.
Palani (PLNI)	MDU	03-02-2015	Opened for Inward Traffic in Full Rake.

19. Station closed for Goods Traffic during 2014-2015.**Chapter XII-Para 15**

Section	Division	Date of Opening	Closed for
Tirur (TIR) BG	PGT	12-06-2014	Closed for all description Goods traffic.
Kuttipuram (KTU) BG	PGT	11-02-2014	Closed for all description Goods traffic.

20. Following improvements have been carried out in the existing lower class carriages during 2014-15.

* In Southern Railways 640 Bio toilets were fitted in 244 GS coaches and 79 Bio toilets in 74 SLR coaches:

* Surveillance camera is fitted in Ladies compartment of one SLR coach on trial basis.

* Stainless steel luggage racks were provided instead of wooden racks in GS and SLRs.

* Dust bins are provided below hall wash basins in GS and SLRS on some coaches on trial basis.

XIV. संरक्षा/SAFETY

The Safety Branch of the Railway was created based on the recommendations in the reports of 'Kunzru and Sikri committees' which inquired into certain serious accidents on the Indian Railways. The Safety Branch is essentially a department monitoring the safety performance of various departments and helping them to discharge their safety related functions effectively. The scope and functions of the Safety Department have been defined over the years and basically include the following :—

- (1) To sensitise all the concerned departments about the safety related issues.
- (2) To oversee all safety matters concerning train operations.
- (3) Identify safety susceptibilities and vulnerabilities based on various accidents and incidents occurring in the system.
- (4) To establish an effective response mechanism to handle situations arising out of the accidents.
- (5) To enable the departments to deliver the functions which make the above possible.

ACCIDENT STATISTICS

Trend of Train Accidents

(a) Consequential Accidents

Consequential accidents are train accidents associated with loss of human life or grievous injury, damage to railway property or interruption to rail traffic above the laid down threshold levels. The trend of consequential accidents for the last 5 years is given below :—

2010-11	2011-12	2012-13	2013-14	2014-15
6	7	6	5	2

The trend of the index for the past five years on Southern Railway is as follows :—

2010-11	2011-12	2012-13	2013-14	2014-15
0.088	0.100	0.080	0.082	0.026

The Category-wise break-up of consequential train accidents for the past five years given below :—

Type of accidents	2010-11	2011-12	2012-13	2013-14	2014-15
Collision	Nil	1	Nil	Nil	Nil
Derailment	..	..	..	..	..
a) At stations	1	1	1	3	Nil
b) In mid-section.	2	1	Nil	Nil	Nil
LC accidents					
a) Manned	Nil	Nil	Nil	Nil	Nil
b) Unmanned	3	4	5	2	2
Fire in trains	Nil	Nil	Nil	Nil	Nil
Miscellaneous	Nil	Nil	Nil	Nil	Nil
Total	6	7	6	5	2

There was no Collision and Derailment accidents during the period of 2014-15.

b. Indicative accidents

The number of indicative accidents during 2014-15 was 5.

The trend of indicative accidents with category-wise break-up for the last 5 years is given below :—

Type of accidents	2010-11	2011-12	2012-13	2013-14	2014-15
Averted collision	Nil	Nil	1	Nil	Nil
Train passing signal at danger.	Nil	1	6	5	5
Breach of block rules.	1	Nil	Nil	Nil	Nil
Total	1	1	7	5	5

SAFETY MEASURES

With the assent on maximizing the usage of existing assets for improving the loading, safety assumes prime importance. Corporate Safety Plan 2003-2013 provided the broad guidelines for improving safety and preventing accidents. Many of the safety measures are arising out of those guidelines.

(A) Railway Safety Review Committee Recommendations

Railway Safety Review Committee set up under the chairmanship of Justice H.R. Khanna, submitted a total of 278 recommendations under Part I and Part II of the report. Out of these, 240 have been accepted fully or partially by the Railway Board. Implementation of the accepted recommendations is in progress and a total of 150 recommendations have already been implemented till March 2012. 66 recommendations are not pertaining to Southern Railway. Implementation of remaining 24 accepted/partially accepted recommendations is at various stages depending upon availability of resources, success of trials, etc.

(B) High Level Committee on Disaster Management System:

A high level committee was constituted in September 2002 to review Disaster management system over Indian Railways and to give recommendations for its strengthening and streamlining. This committee has given 111 recommendations, 4 were deleted by Railway Board. All others have been accepted for implementation. 10 recommendations are not pertaining to Southern Railway. 83 recommendations have been implemented in Southern Railway up to March 2013 and balance recommendations are in various stages of implementation.

(C) Development of Human Resources

In view of the fact that a majority of accidents on Indian Railways have some link to human failure. The Railways are following the twin policy of development of human resources and providing better and fail-safe equipment. Development of human resources is a continuous process on the Railways. Some of the steps taken in this direction are :-

- 1) Initial and refresher training for staff, Training Curricula are reviewed from time-to-time and modern aids are used to give training to the staff. The duration of various courses have also been rationalized.
- 2) Uniform, standard training modules for Induction, Refresher and Promotional Courses for Loco Running Staff have been introduced. Running staff are also given training in Yoga to keep them physically fit and mentally alert in carrying out their sensitive duties.
- 3) Staff connected with train operations are specially screened from time-to-time and those found deficient are given crash courses at the training Centres.

The Zonal Railway Training Institute at Tiruchchirappalli is the major institution for imparting training in train working rules and procedures to all staff concerned with train operations such as Station Masters, Loco Pilots, Guards, etc. Staff requiring technical training in addition to rules and procedures are given training at the Zonal Electrical Traction Training Centre at Avadi, Signal and Tele-communication Training Centre at Podanur, Southern Railway Civil Engineering Training Centre at Tambaram and Diesel Traction Training Centre at Golden Rock. Carriage and Wagon staff get their technical training at STC, Bangalore, now under South Western Railway. In addition to the above, there are six training centres for Group-D staff of Traffic department and five training centres each for C&W, Civil Engineering staff and RPF personnel are trained at RPF Training Centre/Kimber garden, Trichy, JR/RPF Academy, Lucknow.

- 4) To ensure that staff work as per rules and that their knowledge is up to date, a system of on the job counselling is done by nominated Supervisors and Inspectors. Loco Pilots in particular are placed under the charge of Loco Inspectors who act as mentors.
- 5) 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. Trade fairs organized by State Governments and other organizations give yet another opportunity to have direct contact with the public.
- 6) In a view to educate the public using Unmanned LCs, posters and pamphlets were issued to School children, nearby villagers and Motor Vehicle drivers passing through UMLCs and they were counseled on safety on rules to be observed while crossing UMLCs (D)
- 7) A summary of safety activities carried out during the year and comparison with the previous years is as follows :

Year	Safety propaganda	Safety seminars	Safety drives
2012-13	485	448	47
2013-14	681	444	36
2014-15	843	570	24

(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, issuing safety pamphlets/hand-bills and conducting street plays.
- + A Special effort is being made to educate road users about the precautions to be taken while crossing the Unmanned LCs through "SMS" to mobile users in Kerala and Tamil Nadu.
- + Thiruvananthapuram, 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 news papers appealing to public not to carry inflammable articles, not to light fires inside the coaches, avoid footboard travel, safety at unmanned LC, etc. Special campaigns are done during Deepavali festival season to ensure that passengers do not carry crackers.

(E) Annual Safety Week

With a view to bring into focus various safety related aspects and also to involve all categories of staff in the effort to improve safety, an **Annual Safety Week** was observed from 18th April 2015 to 24th April 2015. The following were the highlights of the Safety week :—

- + Safety Seminars at Zonal Railway Training Institute, Tiruchchirappalli focusing on various safety related issues were presented by eminent railway officers.
- + Competitions on Safety related topics such as Essay, Poster designing, Safety Quiz, Safety Drama, 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. Trade fairs organized by State Governments and other organisations give yet another opportunity to have direct contact with the public.

(F) Other Safety Activities

- (i) Fire audit of all AC and Non-AC conducted and deficiencies noted was corrected at the field level.
- (ii) A Safety calendar for 2015 was printed and distributed during the end of December 2014.

(iii) Four issues of Quarterly Safety Bulletin "SUJOG" were printed and distributed to all concerned during the year.

(iv) A Gazette extra ordinary was published and distributed to all divisions in connection with prevention of carriage of inflammable articles during Deepavali season.

I. (a) Accidents involving Casualties during 2014-15

(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	Nil									

(b) Details of Accidents Involving Casualties During 2014-15 Due to Negligence of Road Users—

Sl. No.	Brief Details	Killed	Injured	
			Grievous	Minor
1	While T.No. 56514 Passr. was approaching Unmanned LCNo. 139 at km. 146/300-200 between Ettapur Road and Attur stations of Salem Division, one Bolero van (without registration No. board) suddenly trespassed and hit by the train engine.	1 (others)	Nil	Nil
2	While T. No. 17236 Express approaching Unmanned LCNo. 112 km. 350/700-800 hit against a Maruthi Car No.TN 72 AU 3961 in between Tirunelveli and Sengulam block section.	3 (others)	2 (others)	Nil

II. Accidents Statistics – Details

No. of train accidents classified under principal heads which occurred on this Railway (excluding Workshops) during the year 2013-14 and 2014-15 :-

Sl. No.	Particulars	2013-14	2014-15
1	(a) Collision involving passenger trains	Nil	Nil
	(b) Collision involving other than passenger trains.	Nil	Nil
2	(a) Derailments involving passenger trains.	2	Nil
	(b) Derailments involving other than passenger trains except train wrecking.	1	Nil
3	Derailments due to train wrecking	Nil	Nil
4	Trains running into road traffic at LCs	2	2
5	Fire in trains	Nil	Nil
	TOTAL ITEMS (1 to 5)	5	2
6	Failure of coupling and draft gear	Nil	Nil
	(a) Passenger	Nil	Nil
	(b) Goods	Nil	Nil
	(c) Other failure of Rolling Stock	Nil	Nil
	(d) Other failure of P. Way	Nil	Nil
7	Attempted train wrecking	Nil	Nil

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8	Train running over cattle	Nil	Nil
9	Train running over obstruction	Nil	Nil
	TOTAL ITEMS (6 to 9)	Nil	Nil
	GRAND TOTAL (1 to 9)	5	2
10	No. of persons killed : No. of Railway Servants in workshops	Nil	Nil
11	Accidents on the Railway		
	(a) Passengers	3	2
	(b) Railway Staff	4	6
	(c) Other than Passengers & Railway Staff.	11	3
	Total other than Workshop	18	11
12	No. of person injured	39	42
	No. of Railway servants in workshops	Nil	2
13	Accidents on Railways		
	(a) Passengers	Nil	Nil
	(b) Railway Staff	7	3
	(c) Other than Passengers & Railway Staff.	7	4
	Total other than workshop	3	4

III. (a) Comparative Figures of Consequential Train Accidents attributed to failure of Human Element for the Last 5 years.

Sl. No.	Category	2009-10	2010-11	2011-12	2012-13	2013-14
1	Collision	Nil	1	Nil	Nil	Nil
2	Derailment :					
	(a) At stations	1	1	1	3	Nil
	(b) In mid-section	2	1	Nil	Nil	Nil
3	LC accidents					
	(a) Manned	Nil	Nil	Nil	Nil	Nil
	(b) Unmanned	3	4	5	2	2
4	Fire in trains	Nil	Nil	Nil	Nil	Nil
5	Miscellaneous	Nil	Nil	Nil	Nil	Nil
	Total	6	7	6	5	2

(b) Comparative Figures of Indicative Train Accidents attributed to failure of Human Element for the last 5 years.

Sl. No.	Category	2009-10	2010-11	2011-12	2012-13	2013-14
1	Averted Collision	Nil	Nil	Nil	1	Nil
2	Train Passing Signal at danger.	2	Nil	1	6	5
3	Breach of Block rules	Nil	1	Nil	Nil	Nil
	Total	2	1	1	7	5

IV. Train Accidents per million train kilometres on Southern Railway Since 1994-95

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	3	1	0	0	5	65.03	0.077
2010-11	0	3	3	0	0	6	67.34	0.088
2011-12	1	2	4	0	0	7	69.68	0.100
2012-13	0	1	5	0	0	6	70.92	0.084
2013-14	0	3	2	0	0	5	73.08	0.068
2014-15	0	0	2	0	0	2	69.75	0.026

V. Comparative details of Inspections, surprise checks, mock drills, etc. on Southern Railway Since 2012-13 to 2014-15

Sl. No.	Details of Inspections	2010-11	2011-12	2012-13	2013-14	2014-15
1	No. of inspections at station ..	21,654	23,298	24,301	24,706	22,891
2	No. of inspections at Yard ..	8,514	8,763	8,870	8,902	8,642
3	No. of Motor Trolley inspection..	1,721	1,826	1,890	1,941	1,935
4	No. of footplate inspection ..	25,725	26,351	26,437	27,531	2,6374
5	No. of station working order checked ..	4,786	4,795	4,798	4,807	4,682
6	No. of surprise check ..	10,712	11,894	12,206	12,804	1,1985
7	No. of ambush checks conducted at LC in co-ordination with Civil authorities.	5,136	5,682	5,728	5,793	5,682
8	No. of Mock drills conducted ..	16	17	18	24	19
9	No. of Safety meeting, talks, group discussions	4,896	5,426	5,631	5,714	5,684
10	No. of Safety Seminars ..	231	370	448	444	435

Highlights for the financial year 2014-2015 Pertaining to Traffic Safety

i) Safety Rules :

Safety Rules are indispensable for the safe working of trains. Periodical reviews of the existing Rules are being done to keep abreast with the changing circumstances. As part of this exercise Three corrections to GRs (Correction Memo Number 1/2014 dated 14/07/2014, C. memo No. 02/2014 dated 01/08/2014). C. memo No. 03/2014 dated 29/12/2014) have been issued.

ii) Computerization, Updating and Uploading of GRS :

The contents of the GRS were computerized duly incorporating all the Corrections issued hither to and the same was uploaded in the Operating Department's Website of Southern Railway to serve as a reference to all the Staff of this Railway and being updated with the latest corrections.

iii) Training :

Training enhances the knowledge, skill and attitude of staff to suit job needs. Training plays a vital role in promoting human resources for achieving safety & efficiency in operations.

ZRTI/TPJ plays a crucial role in enhancing the efficiency and safety consciousness of staff of Southern Railway and South Western Railway for upgrading Human resources.

3.1 The Training details are as follows :—

S. No.	Name of the course	2013-14		2014-15	
		No. of Courses conducted	No. of Trainees trained	No. of Courses conducted	No. of Trainees trained
1	Initial	49	1,262	56	2,435
2	Promotional	23	663	8	388
3	Refresher	93	2,259	86	2,525
4	General	52	779	20	228
5	Safety camp	92	2,289	81	2,466
	TOTAL	309	7,243	251	8,042

This could be the best training performance in the last few years considering that the total No. of staff trained for 12 months is 8042.

b. The institute has contributed to successful induction of the following staff during the current year :—

Station Masters/Asst. Station Master ..	862
Asst. Loco Pilot/TTM operator ..	91
Goods Guard ..	211
LP (Goods) to LP (Pass) ..	198
ALP to LP (Goods) ..	190
Commercial Clerks ..	377
Ticket Examiner ..	487
Total ..	2,416

- c. 26 Supervisory staff of Traffic dept. of Chennai Trust & 9 staff of New Mangalore Port Trust were trained on " Latest developments in I. Rlys." fetching an additional earnings of Rs. 5.17 Lakhs.
- d. The hostel capacity has been increased from 538 to 598 at very negligible cost by Converting the old Agent's bungalow in to a dormitory type accommodation with 60 beds for initial trainees.
- e. Furniture to the new class room have been procured for Rs. 1.72 Lakhs on replacement account by charging the expenditure to sanctioned estimate under "Upgradation of Training Facilities"
- f. The duration of Training of Pro ASMs has been reduced from 139 days to 89 days. which resulted in saving of **43100** man days.
- g. The effort taken to integrate Trolley/Lorry & Motor Trolley courses with GRs Course for Senior Supervisors of civil, S&T, TRD department has facilitated saving of 10 working days per trainee. The total saving achieved was 2250.(225x10days) (w.e.f. 17.11.2014.)
- h. Outsourcing of complete maintenance & house keeping of entire institute premises and five Hostels has been done by engaging 36 private staff against surrender of 15 Group 'D' post with an annual saving of about Rs. 70.81 Lakhs. This has facilitated round the clock security in the Hostel & Institute premises and better upkeep of living environment.

iv) Details of Safety Drives ordered by COM from 01-04-2014 to 31-03-2015.

- a) Knowledge of SMs in SWR (05-03-2015 to 14-03-2015.)
- b) Checking of SWRs to suit Actuals at site (05-02-2015 to 19-02-2015.)
- c) Securing of stabled wagons/vehicles on Running Lines at stations & Shunting on Gradient (20-06-2014 to 30-07-2014.)
- d) Hands-on Training to staff on Cranking & Clamping of points 12-05-2014 to 26-05-2014).



XV. सुरक्षा व्यवस्था/SECURITY ARRANGEMENTS

I. GENERAL :

RPF/Southern Railway has been constantly performing well in the field of crime control. Crime has been kept well under control due to effective preventive measures taken wherever and whenever warranted.

II. CRIME ON SOUTHERN RAILWAY :

In Southern Railway, crime against passengers and Railway Property is well under control.

III. CRIME AGAINST PASSENGERS :

(a) PRO-ACTIVE MEASURES TAKEN BY RPF TO CONTAIN THE PASSENGER RELATED OFFENCES :

- To enhance the security level at Stations, Intergrated Security System consisting of CCTV, Access Control, Personal baggage screening system and Explosive detection & disposal system has been implemented at an estimated cost of **₹ 39.07 Crores** at 14 important Railway stations. At all the 14 stations, CCTV control rooms are functioning now to ensure safety and security of passengers.
- On an average, 272 Mail/Express, Passenger and Sub-urban trains are escorted by **556** RPF staff on daily basis. A part from this, **224** trains Mail/Express and Passenger trains are escorted by 672 GRP staff on daily basis. Almost all the night trains are escorted by RPF/GRP personnel.
- Analysis of crime against passengers is under taken periodically, affected sections/trains identified and corrective measures taken to contain the passenger related offences.
- RPF staff on access control duty is attending the trains during halt at enroute stations to prevent entry of unauthorized persons in trains.
- RPF Crime Prevention and Detection Squads and special teams are formed over this Railway to keep surveillance on the criminals to prevent crime in trains/premises and also to detect the reported cases.
- Drives against gents travelling in ladies coaches are conducted regularly and the defaulters are apprehended prosecuted u/s 162 RA. During the year 2014-15, 1,738 defaulters were apprehended and prosecuted with the realization of fine ₹ 4,37,490/-.
- Drivers against unauthorized hawking/vending are conducted regularly and the defaulters are apprehended and prosecuted u/s 144 RA. During the year 2014-15, 22,930 defaulters were apprehended and prosecuted with the realization of fine ₹ 99,94,957/-
- High profile presence of RPF and GRP is ensured at major station platforms as a deterrent measure to contain the activities of anti-social elements and also to instil confidence among travelling public.
- Staff on train escort duty are travelling in the coaches adjacent to the ladies coach to provide security to the lady passengers and also attending the ladies compartment during halt in the mid-section/stations.
- RPF Dog Squads consisting of sniffer dogs are functioning in all Divisional HQrs. and six other important stations of this Railway and these dogs are frequently utilized for anti-sabotage checks and for crime detection.
- To ensure fool proof security at major railway stations with the sources of RPF, GRP and Local Police, entry points are restricted and passengers are passed through DFMD and checked by HHMD. The baggages of passengers are subjected for screening through X-ray luggage scanner at random.
- Frequent announcements are made through PA systems and loud hailers to caution the passengers to be more cautious while on journey.

- Video coverage of general coaches are done at important and affected stations to create impact among anti-social elements if any who travel in unreserved coaches.
- Small albums containing the photographs of criminals are provided to the RPF staff on train escort duties.
- Awareness pamphlets containing "Tips for safe journey" are distributed to the passengers on platforms/trains.
- RPF Mitra Yojana meetings are conducted regularly to cull out information about the suspected persons in combating crime against passengers.

(b) INNOVATIVE MEASURES :

- **All India Railway in all Divisions Toll free Security Help line No. 182** has been activated in all Divisions to receive the complaints from passengers in distress. RPF train escorts are provided with mobile phones and CUG sims to receive distress calls for immediate attention and redressal.
- On 30.06.14, RPF/Palghat Division organized a special passenger awareness programme at Cannanore Railway station in which, GM/S.Rly has released Security Awareness pamphlets designed by RPF, containing DO'S & DON'TS and appealing the passengers to adhere to the security precautions while on train journey.
- Gender Sensitization programmes/seminars were organized to RPF, GRP, field level Rly. staff with the participation of eminent women faculties to sensitize and to take proactive role to ensure hassle free journey of women passengers.
- Passenger Awareness programs are conducted outside Railway areas like bus stands, educational institutions, cinema theatres, etc.
- Chanting of passenger Awareness slogans through a pre-recorded device round the clock at important stations.
- Safe travel tips "Keep Your Valuables in bag/box and lock it with safety chain to prevent theft" was sent to about 30 lakhs Public (Airtel customers) by RPF/Southern Railway through SMS, AIRTEL.
- CCTV cameras are provided in T. Nos. 16101/16102 (Ex. Chennai Egmore-Rameswaram-Chennai Egmore) and T. Nos. 16175/16176 (Ex. Chennai Egmore-Karaikal-Chennai Egmore) for onboard surveillance. This apart, it is proposed to install CCTV in T. No. 6127/28 Guruvayur Exp., 13351/52 Dhanbad Alleppey Exp., 12623/24 Trivandrum Mail, 12633/34 Kanniyakumari Exp. 16315/16 Kochuvelli Exp., 12615/16 GT Exp. 12621/22 Tamilnadu Exp, 11042/41 Dadar Exp. on pilot basis in compliance to MR's Budget Speech.

(c) Regular Co-ordination Meetings with GRP :

- **Regular co-ordination meetings** are held with GRP/Local Police in HQrs./Divisional/Post level to exchange intelligence to combat crime against passengers over Southern Railway.

Special Co-ordination Meetings held between RPF and GRP at Katpadi

On the night of 01/02.11.14, in the wake of theft of baggages especially lady's handbags containing valuables from AC coaches, IG/Railways/Tamilnadu conducted a special meeting with the participation of DIG-cum-Addl. CSC, SRPs and GRP/RPF Officers and Staff at Katpadi.

Conduct of Co-Ordination Meeting of Senior GRP, Railway & RPF Officers of Chennai Division :

On 18.03.2015, a co-ordination meeting of Senior Railway, GRP & RPF Officers was held under the chair of DRM/Chennai Division at Chennai with the participation of IGP & DIG/Railways, Tamilnadu, ADRMs/I & II/Chennai, other branch officers, Sr.DSCs/Chennai, Bengaluru, SRP/Chennai, Guntakal, DSRPs/Chennai, Coimbatore, Nellore, Trichy and GRP/RPF Inspectors of Chennai Division and adjoining Divisions/States. Various issues in the pursuit of present security scenario with analysis, crime trend, affected sections, stations, trains and Law & Order problem in Railways and action proposed were deliberate in the meeting.

(d) Special squad of Women RPF Personnel :

Special emphasis was given to security of women passengers in general and Sub-urban women commuters in particular. 06 EMU ladies trains and 12 other EMU trains are escorted by RPF Women squad called 'Sakthi Padai' in Chennai Sub-urban area.

- To check offences against women passengers, RPF/Southern Railway has formed a special squad at Chennai consisting of women RPF personnel. A women helpline (BSNL phone number) 044-25353999 is functioning round the clock in Chennai Division. This telephone number has been exhibited in all the ladies coaches of important trains & EMU trains for the attention of women commuters.
- Complaint/Suggestion boxes have been kept at all important stations over Chennai Division to enable the passengers especially women passengers to drop their complaints/suggestions/grievances, if any, on security related matters for taking necessary action.

(e) Passenger Awareness Programmes Conducted :

Sl. No.	Programme	2013-14	2014-15
1	Skit/Forum Drama conducted	178	255
2	Meeting with Coolies	432	371
3	Feedback Forms obtained	18586	14101
4	Pamphlets Issued	173042	154944
5	Awareness programme outside the Railway premises	480	390
6	Stickers pasted	47091	53795
7	FM Channel	4	7
8	Slides projected in cinema hall	80	41
9	Video coverage of GS coaches	412	108
10	Assistance from NGOs/Scouts etc., utilized	47	40
11	Decoy Check conducted	920	612

(f) Crime against passengers – Comparison of Crime :

Category	2013-14		2014-15	
	Registered	Detected	Registered	Detected
Murder	4	3	2	1
Dacoity	1	1	0	0
Robbery	30	21	44	16
Theft	538	391	657	347
Chains Snatching	90	19	72	21
Drugging	6	2	15	1
Total	669	437	790	386

- Crime rate has increased by 18.09% during the year 2014-15 as compared to 2013-14.
- Detection % has decreased by 16.46% during the year 2014-15 as compared to 2013-14.

(g) Action taken by RPF against crime on passengers :

- During the year 2014-15, 64 criminals involved in theft of passenger belongings and other passenger related crime were apprehended by RPF and handed over to concerned GRP for registration of cases.

h) Passenger Facilitation by RPF :

Sl.No.	Details	2013-14	2014-15
1	Assistance given to injured passenger on train journey ..	595	414
2	Handing over of runaway children	404	316
3	Securing of abandoned baggage's	897	908
4	Seizure of contraband Goods (Narcotic substances, Ganja, Illicit liquid, etc.,).	₹ 46.54 Lakhs in 63 instances	₹ 3.46 Crores in 70 instances

IV. CRIME AGAINST RAILWAY PROPERTY :

Effective preventive measures taken by RPF/Southern Railway to contain crime against Railway Property and bring down the incidents of theft/pilferage, resulted in keeping, theft of Railway Property well under control. Figures of incidents of theft of Railway Property, both Booked Consignments and Railway Materials are given below :—

(a) Theft of Railway Property :**(i) Booked Consignment – Localised cases :**

Year	No. of cases		Value of property		Remarks			
	Rep.	Det.	Stolen	Recovered	Arrest Made	Less Value	undetected	Pending Enquiry/ value
2013-14	14	9	969868	732068	21	0	04/47800	—
2014-15	8	5	465170	453870	13	0	01/3300	02/8000

OS – Outsider

(ii) Railway Material – Localised cases :

Year	No. of cases reported	No. of cases detected	Property stolen	Property recovered	Total arrest made		Other disposal (SLF, MOF, UD).	Pending enquiry/ value
					OS	RE		
2013-14	271	261	1449750	1228049	354	11	9/49422	1/127
2014-15	200	186	1964180	1651706	291	11	3/30225	11/236012

OS – Outsider & RE – Railway Employee

(b) Performance under Railway Property (Unlawful Possession) Act, 1966 :

This Act provides an effective leverage to control crime against Railway Property. Surveillance is kept over suspects & criminals by RPF personnel of this railway and the offenders are booked under the provisions of this act with seizure of stolen railway property. The performance under this Act is as follows:—

Year	No. of cases registered	Value of stolen property recovered	Arrest made	
			OS	RE
2013-14	494	₹ 22,62,851/-	602	12
2014-15	452	₹ 24,55,338/-	583	11

- Detection % has decreased by 8.50% during the year 2014-15 as compared to 2013-14.
- Recovery value increased by 8.51% during the year 2014-15 as compared to 2013-14.

V. PERFORMANCE UNDER RAILWAYS ACT, 1989 :

Relentless drives against anti-social elements indulging in illegal sale of reserved rail tickets, cornering of berths/seats, hawking, begging, etc., in stations and trains are conducted by RPF personnel over this railway and the defaulters are prosecuted under the provisions of this Act. The results achieved during the year 2014-15 are furnished under :—

Year	No. of cases booked	Fine amount realized
2013-14	1,08,425	₹ 2,66,51,115/-
2014-15	1,04,915	₹ 2,69,04,807/-

- Registration of cases decreased by 3.24% during the year 2014-15 as compared to 2013- 14.
- Increase in realization of fine by 0.95% during the year 2014-15 as compared to 2013- 14.

a) Results achieved under Important Railways Act sections during the year 2014-15:

Sl.No.	Offence u/s	No. of persons apprehended	Fine realized
1	Transfer of reserved rail tickets (142) ..	69	₹ 51,750/-
2	Unauthorisedly procuring and selling of rail tickets (143).	103	₹ 76,000/- (73 pending enquiry/ trial).
3	Unauthorized Hawking/Vending (144) ..	22930	₹ 99,94,957/-
4	Alarm Chain Pulling (141) ..	871	₹ 4,73,630/-
5	Footboard travelling (156) ..	9436	Rs.22,12,885/-
6	Gents travelling in ladies coaches (162) ..	1738	₹ 4,37,490/-
7	Smoking (167) ..	9951	₹ 10,06,870/-

VI. RPF ASSISTANCE TO TICKET CHECKING STAFF:

RPF is providing necessary assistance to commercial branch in ticket checking drives. The following are the details of ticketless travellers apprehended and fine amount realized for the year 2013-14 & 2014-15.

Year	RPF staff deployed	No. of ticketless apprehended	Amount of fine realized
2013 – 14	7078	3,73,703	₹ 13.33 Crores
2014 – 15	7379	6,03,723	₹ 21.71 Crores

VII. RPF DOG SQUAD :

(a) Southern Railway RPF is the pioneer in forming of RPF Dog Squad over Indian Railways. The Southern Railway Dog Squad was formed in the year 1958 on the pattern of Madras State Police 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. 65 percent of the existing strength of RPF dogs comprise of Sniffer dogs trained in detection of explosives.

(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 modernization of the Force. So far, 192 Dogs (Sniffer – 136, Tracker – 56), of various Zonal Railways were trained in this training centre. 5 dogs from Other Railways are presently undergoing initial training at ZTC/Podanur.

VIII. MAIN EVENTS DURING THE YEAR 2014 – 15 :**1. Awareness programme by “NESA KARAM” Child Helpline (NGO):**

- ❖ On 04-04-14, Nesa Karam Child Helpline, Chennai conducted an awareness programme at Tambaram Railway station on child protection under the leadership of Father Stephen, Asst. Director, Nesa Karam, with the participation of RPF/Tambaram.

2. Conduct of alert meeting regarding ‘Bomb threat’ :

- ❖ On 11-04-14, DSC/Trichy conducted an alert meeting with Dy. Commissioner of Police/Trichy, SRP/Trichy, IRP/Trichy and IPFs/Trichy based on an intelligence input. In the meeting, various precautionary measures and action proposed were deliberated for foolproof security to stations/trains to avert any untoward.

3. Session on Drug Law Enforcement conducted by Narcotic Control Bureau, Chennai :

- ❖ On 21-05-14, one day session on Drug Law Enforcement was organized by Narcotic Control Bureau, Chennai with the participation of Intelligence Officers, NCB/Chennai and RPF Officers from all Divisions at Chennai.

4. Awareness Programme against inflammable articles :

- ❖ On 05-05-14, Sr. DSC/Chennai conducted an awareness programme at Chennai Central Railway station against carrying of inflammable articles and also appealed the passengers to inform the RPF/GRP/ Railway authorities on noticing any unclaimed/suspected objects in Rly. premises/trains.

5. Review meeting of functioning of Child Protection Committee/Trichy.

- ❖ On 20-05-14, a review meeting was held at DRM Meeting Hall/Trichy to study the functioning of Child Protection Committee/Trichy with the participation of Shri Sanjay Tiwari, Programme Officer, Railway Children (UK) at New Delhi, divisional level/station level Child Protection Committee and local Child Welfare Committees.

6. **Observance of International Anti-Tobacco Day :**
 - ❖ On 31-05-14, International anti-tobacco day was observed at Trichy Railway station. During observance, Brahma Kumaris lyakkam/Trichy organized an awareness programme.
7. **Observance of International Day of missing children - 2014 :**
 - ❖ 23-05-14, being International Day of Missing Children, the day was observed with awareness programme at Trichy Railway station by Dist. Child Protection Unit/Trichy in the presence of DSC/Trichy and RPF staff.
8. **Observance of “ Level Crossing Awareness Week ” and “ International Level Crossing Awareness Day-2014 ”**
 - ❖ As desired by Railway Board, 05 days long Safety drive from 02-06-14 to 06-06-2014 was launched by RPF in all Divisions of this Railway at Unmanned/Manned Level Crossings inter fixing 03-06-14 as observance of “ International Level Crossing Awareness Day 2014 ” in co-ordination with Safety Branch, GRP and Civil Authorities.
9. **Conduct of safety awareness programme against trespassing of railway track, closed LC gates, etc.**
 - ❖ On 09-07-14, an awareness programme against trespassing of railway track, closed LC gates, etc. was organized at Guindy Railway station with the participation of Dy. CSC, Supdt. of Railway Police/Chennai, Asst. Commissioner of Police/Guindy, ASC/W & S, Officers and staff of RPF/GRP/Local Police along with Teachers/School Boys. Similar programme was also organized on 01-07-14 by ASC/W & S, IPF/Chengalpattu and staff at LC Nos. 74 & 73 located between Melmaruvathur and Mathuranthagam Rly. Stations.
10. **Conduct of special drive on catering services :**
 - ❖ As desired by Rly. Board, a 15 days long special drive involving RPF, Commercial and Medical Departments was organized in all divisions of this Rly. targeting quality, hygiene of food items, quantity, over-charging, waste disposal, unauthorized vending, behaviour of staff, etc.
11. **Conduct of Special Safety Drive at Unmanned Level Crossings :**
 - ❖ A 15 days long special safety drive has been launched by RPF from 29-07-14 to 12-08-14 to ensure safety at unmanned level crossings in all Divisions of this Railway in co-ordination with civil authorities, Safety Branch and GRP.
12. **Sensitization programme on “ Empathize with disabled persons ” :**
 - ❖ On 06-08-14, Sr. DSC/Chennai organized a sensitization programme to RPF staff at Railway Kalyana Mandapam, Perambur, Chennai on the problems faced by differently abled persons during their rail journey in the title ' Empathize with disabled persons . Shri T. M. N. Deepak, Vice -President, Federation of Tamilnadu Differently Abled Persons Association, Chennai attended the programme.
13. **Conduct of Special Safety Drive at Manned/Unmanned Level Crossings :**
 - ❖ As desired by CRB, a 10 days long special safety drive has been launched by RPF from 03-09-14 to 12-09-14 targeting safety at manned/unmanned level crossings in all Divisions of this Railway in co-ordination with GRP and RTO officials.

14. Special security arrangements for Velankanni festival :

- ❖ During Velankanni festival (Trichy Division) held from 28-08-14 to 09-09-14 heavy inflow of pilgrims from all over the country to the festival, RPF in co-ordination with GRP/Local Police and sister departments of Railways has arranged special bandobust to the passengers.

15. Swatchch Bharat Mission (Special Clealiness drive) :

- ❖ On 02-10-14, the agenda of Hon'ble Prime Minister of India, Swatchch Bharat Campaign was given top most priority and carried out by RPF/S. Rly. in letter and spirit by administrating "Swatchhata Pledge" by GOs, Officers and staff of RPF.

16. Conduct of 21st Inter Railway RPF Hockey Championship 2014 :

- ❖ The 21st Inter Railway RPF Hockey Championship-2014 was held from 28-10-14 to 29-10-14 at Chennai by RPF/S. Rly. with the participation of 05 Zonal Railways including Southern Railway. RPF/Southern Railway has won the winners title and N. Rly., won the runner-up amidst stiff competition.

17. Awareness campaign against lighting of camphor sticks by Ayyappa devotees in trains/stations :

- ❖ In view of lighting of camphor sticks by Ayyappa Devotees for worshipping "Irumudi" of Lord Ayyappa in Trains/Railway stations, an awareness campaign was ordered to conduct by all divisions, as the lighting of camphor may cause serious fire hazardous.

18. Observance of World AIDS awareness Day :

- ❖ On 01-12-14 between 09-00 and 18-40 hrs., World AIDS awareness day was observed at Trivandrum Railway station.

19. Special Bandobust for ' Attukkal Pongala ' Festival at Trivandrum :

- ❖ "Attukkal Pongala" a famous/traditional festival held every year at the temple situated nearby Trivandrum Railway station, was celebrated on 05-03-2015. About 30 Lakhs women devotees thronged around the temple in the radius of 12 kms. including Railway station area to celebrate the festival. Elaborate bandobust arrangements were made by RPF at Trivandrum Railway station in co-ordination with GRP, Local Police & Civil authorities.

20. Conduct of special safety drive at Unmanned Level Crossings :

- ❖ A one month long special safety drive has been launched by RPF from 01-03-15 to 31-03-15 in all Divisions of this Railway in co-ordination with GRP and RTO officials at unmanned level crossings.

IX. PARADES CONDUCTED :

- ❖ Independence Day Parade was conducted at HQrs. Office/S.Rly. on 15-08-14.
- ❖ 29th RPF Raising Day Parade was conducted on 21-09-14.
- ❖ On 21-10-2014, National Smrithi Parade was held by RPF/S. Rly. in Commemoration of RPF, Police and Paramilitary Forces personnel who laid down their lives at the altar of duty.
- ❖ Republic Day Parade was conducted at HQrs. Office/S.Rly. on 26-01-15. One RPF contingent also took part in the Republic Day parade at State level held at Chennai Marina Beach and Trivandrum Central Stadium respectively.

X. ACHIEVEMENTS MADE DURING THE YEAR 2014-15 :

(a) In Crime Detection :

- On 05-04-14, RPF/Coimbatore detected theft of 973 mtrs. of OHE Catenary wire valued ₹ 3,00,000/- from RE project in Coimbatore RPF Post RP (UP) Cr. No. 01/14 with the arrest of 07 outsiders.
- On 10-08-14, RPF/Madurai detected theft of 89 pieces of released 90-R rails valued ₹ 1,60,800/- in Madurai RPF Post RP (UP) Cr. No. 09/14 with the arrest of 09 outsiders.
- RPF/Salem detected theft of 53 Nos. of ECR Relay valued ₹ 1,46,680/- from SRM Store/Salem which were reported missing on 16-10-14 in Salem RPF Post RPF Cr. No. 11/14 with the arrest of 03 outsiders.
- RPF/Chengalpet detected theft of 16 bags of cardamom valued ₹ 3,77,250/- from running train in Chengalpet RPF Post RP (UP) Cr. No. 02/14 with the arrest of 03 RTT (Running Train Theft) Criminals.

(b) In System Improvement :

- **An interaction session** with the participation of Addl. Director Judicial Academy/Chennai, 23 training Dist. Judges and RPF Officers was held. Organizational set-up of RPF/GRP, its functioning and role in Railways were explained.
- **Combing operations** in the name of “ **Monitor Lizard & Operation Octobus** ” were organized in all divisions in co-ordination with GRP and Commercial Branch in order to bring perceptible change in the security environment in trains and railway premises and to instill a sense of confidence among rail passengers.
- **Workshop** on Handling of Modern Security Gadgets was conducted to educate staff in handling of Modern Security Gadgets.
- 180 QUG SIM cards with mobile handsets have been distributed for train escort staff over Southern Railway for easy access of public during exigency/requirement of assistance if any.
- Behavioural training of RPF personnel is being held at ICF/Perambur for 03 days of every week from 15-12-14 and staff from all the divisions of Southern Railway are attending. The classes are conducted to improve their behaviour, effectiveness and sensitivity, duly implementing DG's Directive No. 33.
- On 18-03-2015 & 19-03-2015 the representative of NELCO Company imparted training to 68 RPF Personnel of Trichy Division in **handling of ISS Equipments** viz. Vapor Tracer and RTVS (Real Time Viewing System) duly demonstrating.
- Sr. DSC/Chennai devised a Standard Operating Procedure (SOP) for **Crisis Management** in the event of any Bomb Blast/Terrorists attack especially for Chennai Central and Chennai Egmore Stations defining the role of each department and circulated to all concerned for implementing the same.
- **Security Mock drills** were organized to gauge the level of preparedness of various security agencies including RPF in case of any emergency and the response was swift and sustaining.

c. IN SAFETY HAZARD:

- 05 safety drive for a specific period were organized at **612** manned and **342** unmanned Level crossings which are vulnerable for accidents, in co-ordination with GRP, Safety Branch and civil authorities in order to avoid loss of human lives and damage to railway property.

- **30416** safety tips pamphlets and **3255** safety stickers were issued to road users/pasted on the road vehicles. Nukkad dramas were staged at strategic locations sensitizing the road users. Ambush checks were conducted at UMLC and the defaulters were dealt under the provisions of Railways Act for negligently crossing UMLC.
- **02 fire safety drives** were organized. During the drives **37** defaulters were apprehended for carrying fire crackers/inflammable articles in trains and deterrently dealt them under relevant provisions of RA.
- Awareness campaigns against lighting of camphor sticks by **lyappa devotees** in worshipping Irumudi of lord lyappa in trains/railway stations, were organized in order to prevent fire on trains / premises.

XI. Drive against unauthorized Alarm Chain Pulling affecting punctuality of trains:

During the year 2014 - 15, 2,251 instances of Alarm Chain Pulling were reported. Of which, 1,321 instances were justified as due to commercial/operational/mechanical/electrical reasons and other genuine reasons. In 930 unauthorized instances, 871 defaulters were nabbed and prosecuted u/s 141 RA, realizing a fine of ₹ 4,73,630/- from them. The remaining 59 instances were reported in mid-section where no RPF/GRP available. However, ambush checks are conducted by RPF in section prone for ICC pulling, to contain the menace.

XII LC Gate Accidents :

During the year 2014-15, **553** 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, prosecuted u/s 154 & 160 RA and a sum of ₹ **5,67,250/-** was realized as fine. This apart ₹ **13,50,858/-** was also realized from the owners of the vehicles towards the cost of damage to the L.C. Gate components, etc.

XIII Action against defaulters indulging in train hold ups during Rail Roko 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 u/s 174 (a) of Railways Act duly obtaining complaints from Railway Depot officials. During the year 2014-15, 68 cases were registered u/s 174 (a) Railways Act against the defaulters.

XIV. Action against the menace of begging in trains by eunuchs :

Following the complaints against the menace of begging by eunuchs in trains and Railway premises, special drives were organized over this Railway to eradicate the nuisance created by the eunuchs to the travelling public in trains. During the year 2014-15. **1,029** eunuchs who indulged in begging in trains were apprehended and prosecuted under relevant section of Railways Act and a fine of ₹ **1,69,800/-** was realized from them.

XV. Action against unauthorized travelling in compartments earmarked for differently abled persons:

Regular drives were organized against unauthorized travelling in compartments earmarked for differently abled persons. During the year 2014-15, **3168** defaulters were apprehended and prosecuted under relevant sections of RA realizing a fine of ₹ **8,27,505/-**.

XVI. Achievements in Sports 2014-15**Inter Railway Tournament**

Sl. No.	Event/Team Manager	Venue	Date of conduct	Performance	AIPDM
1	Shooting	TC/KG/TPJ	23.05.14 to 24.05.14	Winner Gold-06 Silver-06 Bronze-04	—
2	Band	TC/KG/TPJ	04.06.14	—	—
3	Athletics	ICF	17.07.14 to 18.07.14	Winner Gold-07 Silver-03	—
4	Basketball	TVC	26.07.14 to 27.07.14	—	—
5	Kabaddi	MDU	07.08.14 to 08.08.14	—	—
6	Football	TPJ	17.08.14 to 18.08.14	Winner	Attended 63rd BN Mullick Memorial All Indian Football Championship 2014 at LLH/Kolkata on 15-09-14.
7	Hockey	MAS	Not Conducted	Winner	Attended 63rd AIPH Championship 2014 at Gurugind, Sports College, Lucknow from 04.12.14 to 11.12.14.
8	Volley Ball	PGT	Conducted the trials for the selection of team	Winner	—
9	Photography & Videography	TC/KG/TPJ	Not Conducted	—	—
10	Boxing & Weight Lifting	TPJ	12.09.14	Winner	—
11	Computer Awareness	MAS	Conducted	—	—
12	Dog Squad	SA	21.11.14 @ ZTC/TPJ		

XVII. WELFARE:

- Handicraft centre with sufficient number of sewing machines and membership of 25 RPF spouse/wards is functioning at Perambur.
- As social welfare measures blood donation camps, Eye donation Camp were organized by all divisions.
- Various seminars like stress Management, attitudinal changes on good habit HIV awareness and drug abusive were organized to sensitize RPF post.
- A seminar on superannuation benefits was arranged for the benefits of RPF staff those who are due for superannuation in this year.

165 wards of Security Branch staff who are pursuing Professional Degree courses are granted with scholarship of ₹ 6,500/- each and one ward of MTS (Record Sorter) who is pursuing non technical course has been granted ₹ 3,700/- from CSBF.

- e) 03 wards of Security Branch staff and 2 employees of this branch were granted financial assistance towards Training for development of occupational skills for physically/medically challenged wards. Medical assistance from CSBF for 01 case and from SBF 11 cases has been considered and granted. Merit scholarships have been arranged for 78 wards of RPF/Ministerial staff of this branch from SBF.
- f) Compassionate ground appointment were arranged for 18 wards of RPF/RPSF staff.
- g) Alternative appointment for medically decategorized were arranged for 65 RPF staff.

XVIII. RSKN:

Sl. No.	Type of payment	No. of cases	Amount (₹)
1	Ex-gratia lump-sum grant	09	9,00,000
2	Funeral Assistance to the family of deceased employee ..	10	1,00,000
3	Settlement on Retirement	118	7,08,000
4	Medical Assistance (VSK)	4	88,000

XIX. TRAINING :

The RPF Training Centre, Trichy is the only training centre functioning for the Security Department on Southern Railway and caters the need of ICF and S.W.Rly. The normal capacity of the Training Centre is 300 trainees at any time of the day. The following strength of different ranks from Constable to IPF were trained during the year 2014-15 on various courses.

1. RPF/TC/KG/TPJ - 1611
2. JR/RPF Academy/LKO - 06 IPF

XX. Grant of Money Reward

Sl. No.	Details	Amount ₹
1	Sanctioned by Railway Board	39,000
2	Sanctioned by GM/AGM & ADGM/S.Rly.	85,000
3	Sanctioned by CSC/Addl.CSC/SC/HQrs./SO to CSC & ASCs.	5,05,350
4	Sanctioned by Sr. DSC/DSCs.	1,75,650
	TOTAL ..	8,05,000

XXI. SABOTAGE

- | | | |
|---------|---|----------|
| 2012-13 | - | 03 cases |
| 2013-14 | - | Nil |
| 2014-15 | - | 18 cases |

XXII. Bomb threat:

During the year 2014-15, 22 anonymous bomb threat calls in trains/premises were received and promptly attended by RPF in co-ordination with GRP/Local Police and all the calls turned to be a hoax.

XXIII. Special Bandobust to VVIPs/VIPs:

During the year 2014-15, on 39 occasions during the travel/visit of VVIPs/VIPs like Governors, Hon'ble Chief Minister, Union Ministers, MOSRs, Parliamentary Committee, etc., on the Railways, RPF/ Southern Railway has provided elaborate bandobust arrangements in co-ordination with GRP/Local Police.

XXIV. Meritorious Service by the Officers of RPF/Southern Railway:

- Sri B. Mohan, IG-cum-CSC/SR has been bestowed with coveted President Police Medal for his distinguished service on the occasion of Independence Day 2014.

The following RPF Personnel have been bestowed with coveted Police Medal for their meritorious service.

- Sri C. Gireesh, Sub-Inspector/RPF/PGT on the occasion of Independence Day 2014.
- Sri M. Jayaraman, ASIPF/IVG/HQrs./MMC on the occasion of Republic Day 2015.

XXV. Eviction :

During the year 2014-15, on 03 occasions RPF/S.Rly. rendered assistance to the Engineering branch in evicting 78 unauthorised encroachments from the Railway land in co-ordination with Local Police/GRP.

XXVI. CONCLUSION

RPF/Southern Railway is striving hard to ensure that the passengers travel with full sense of security in its jurisdiction.



SIXTY FIVE YEARS OF SUMMARY

1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72	1972-73	Details
235.60	271.25	312.85	348.57	286.44	295.07	299.50	310.45	322.91	338.23	363.18	Capital-at-charge (Rs. in crores)
296.34	342.11	391.26	433.99	349.98	362.58	370.93	387.40	404.11	424.01	452.90	Total Investment (Rs. in crores)
36.08	36.08	163.13	163.13	163.13	166.44	166.44	166.44	166.44	166.44	166.44	Route Kilometres Electrified
9,985.58	10,067.08	10,153.14	10,200.98	7,216.45	7,283.85	7,444.98	7,444.98	7,444.98	7,445.62	7,452.32	Total
65.27	65.27	217.35	217.35	217.35	220.66	220.66	220.66	220.66	220.66	220.66	Running track Kilometres Electrified
10,662.29	10,922.04	11,081.72	11,209.34	7,761.82	7,875.60	8,090.39	8,090.39	8,118.63	8,119.27	8,218.86	Total
1,346	1,362	1,368	1,373	1,022	1,023	1,031	1,029	1,025	1,021	1,016	Number of Stations.
1,783	1,827	1,780	1,786	1,228	1,218	1,193	1,143	1,128	1,105	999	Rolling Stock—
..	26	69	98	114	128	161	210	223	244	242	Steam
4	4	4	22	20	20	20	20	20	20	20	Diesel
..	..	..	..	..	..	..	..	..	..	..	Electric
3,865	3,801	3,984	4,111	4,187	3,526	3,596	3,600	3,608	3,604	3,753	Passenger carriages
96	96	96	96	96	152	172	172	172	174	174	Electric Multiple Unit
30	30	30	27	27	15	15	15	18	18	18	Coaches.
1,424	1,398	1,391	1,442	1,492	1,282	1,249	1,213	1,123	1,075	1,065	Rail cars
38,331	40,750	41,987	44,795	47,083	47,489	35,141	34,591	34,197	33,916	34,120	Other coaching vehicles
168.6	173.6	176.7	177.8	135.2	134.5	133.5	132.0	133.0	132.0	134.0	Wagons
32.92	34.99	39.50	43.70	41.60	39.60	42.80	45.40	49.36	51.36	52.58	Staff—
1,959	2,020	2,243	2,468	2,715	2,958	3,214	3,440	3,719	3,898	3,951	No. of employees (in 1000s)
39.95	40.45	41.63	44.24	40.64	35.03	35.04	35.57	36.24	36.80	34.38	Cost of staff (in crores of Rs.)
..	..	..	..	..	..	..	..	..	..	..	Average cost per employee (in Rs.)
..	..	..	..	..	..	..	..	..	..	..	For the year—
23.82	25.78	24.38	25.52	20.66	16.35	17.51	18.02	17.81	18.80	16.89	Transportation Out-put—Train-kilometres
654	663	679	743	673	574	563	605	635	647	627	excluding Departmental (in millions)—
..	..	..	..	..	..	..	..	..	..	..	Passenger and proportion of mixed
..	..	..	..	..	..	..	..	..	..	..	EMU
934	1,006	948	1,053	870	692	774	816	828	865	804	MEMU
251	260	269	283	276	237	207	222	237	257	258	DEMU
11,848	12,239	12,578	13,461	13,158	11,185	9,476	9,701	10,417	10,980	11,259	Goods and proportion of mixed
26.87	28.93	30.27	34.04	31.5	29.1	27.2	28.2	30.6	33.1	34.8	Vehicle and wagon kilometres (excluding
46.9	46.8	46.3	47.2	47.4	46.8	45.5	43.5	43.6	42.1	43.3	departmental and brake-vans) (in millions)—
2.26	2.36	2.41	2.53	2.39	2.60	2.87	2.91	2.94	3.02	3.09	Vehicle kilometres
12.8	13.8	14.4	16.0	14.6	12.3	12.1	11.8	12.2	13.0	12.5	EMU
17.1	17.3	17.5	18.5	16.4	13.5	13.2	13.2	13.1	14.3	13.6	MEMU

SOUTHERN RAILWAY

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	266	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	265,803	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
EMU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MEMU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
DEMU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Goods and proportion of mixed	16.28	16.24	17.40	18.40	16.15	13.03	12.48	..	13.49	13.00	13.48	14.12	14.99	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
EMU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MEMU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
DEMU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
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	71.8	69.1
Average rate per passenger kilometres (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	8,180	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	(-) 11.42	(-) 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

पैंसठ वर्ष का सार
SIXTY FIVE 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 (₹ 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 (₹ 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	72	72	72	96	96	96	96	96	96	96	96	96
Coaches	..	..	..	..	..	..	..	..	..	..	..	..
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
EMU	..	..	..	..	..	..	..	..	..	..	..	..
MEMU	..	..	..	..	..	..	..	..	..	..	..	..
DEMU	..	..	..	..	..	..	..	..	..	..	..	..
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
EMU	..	..	..	..	..	..	..	..	..	..	..	..
MEMU	..	..	..	..	..	..	..	..	..	..	..	..
DEMU	..	..	..	..	..	..	..	..	..	..	..	..
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

SIXTY FIVE YEARS OF SUMMARY

1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	2001-02	2002-03	Details
1,075.55	1,195.87	1,320.46	1,423.42	1,796.23	1,844.87	1,869.20	1,831.59	1,780.38	2,177.34	2,555.48	2,965.63	3,375.13	3,773.92	4,142.37	Assets— (As on 31st March)
1,399.56	1,559.58	1,741.93	1,892.06	2,330.42	2,641.17	2,912.38	3,309.55	3,819.04	4,630.81	5,331.98	5,927.01	6,534.54	7,187.95	7,900.54	Capital-at-charge (Rs. in crores)
															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
7,649.89	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
															Passenger carriages
															Electric Multiple Unit coaches.
4	4	4	4	4	4	4	4	2		2 *	2	2	2	2	Rail cars
696	641	610	573	535	523	505	519	531	544	517 *	* 281	271	273	270	Coaching stock
24,334	23,903	24,693	24,402	23,536	21,016	17,956	16,280	15,311	15,629	16,475	15,888	14,732	13,558	13,031	Other coaching vehicles
															Wagons
144.2	146.6	147.0	150.0	149.4	145.8	142.937	140.366	139.300	136.654	136.585	136.463	133.587	130.579	**126.992	Staff—
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	No. of employees (in 1000s)
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	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)—
															Passenger and proportion of mixed
															EMU
															MEMU
															DEMU
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		Goods and proportion of mixed
															Vehicle and wagon K.Ms. (excluding dpt. 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
															EMU
															MEMU
															DEMU
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	96.14	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	15.46	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	170,530 *	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	*34.29	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)
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	Diesel oil (in kilolitres)
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	Stores purchased (in crores of Rs.)—
(-118.22)	(-150.00)	(-125.60)	(-127.78)	(-169.05)	(-166.31)	(-63.93)	(-31.24)	(-70.47)	(-161.45)	(-243.00)	(-249.87)	(-437.06)	(-630.86)	(-485.51)	Indigenous
(-10.99)	(-12.54)	(-9.51)	(-8.96)	(-9.41)	(-3.27)	(-2.81)	(-1.20)	(-2.39)	(-4.54)	(-5.95)	(-5.51)	(-8.81)	(-11.77)	(-8.47)	Total
122.04	124.02	118.63	117.81	117.96	110.60	109.47	105.62	106.98	111.81	114.29	114.74	120.80	124.98	119.15	Operating revenue and expenditure (in crores of Rs.)—
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	Revenue—Gross receipts
															working expenses including depreciation etc. and miscellaneous expenses.
															Net revenue receipts
															Percentage of net revenue receipts to the capital-at-charge and investment from capital fund.
															Operating ratio (per cent)
															Dividend to General Revenues
															Payments to States in lieu of tax on Passenger fares.
(-185.07)	(-221.41)	210.11	(-221.17)	(-282.20)	(-205.97)	(-209.06)	(-177.55)	(-214.09)	(-304.39)	(-428.71)	(-467.10)	(-685.31)	(-890.69)	(-774.66)	Surplus (+)/Deficit (-)

* Revised.

Details	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15			
Assets—(As on 31st March)															
Capital-at-charge (Rs. in crores)	3,532.81	3,715.46	4,056.06	4,154.34	4,333.30	4,647.65	5,656.53	6,807.94	8,004.45	9,158.53	10,425.08	12,120.91			
Total Investment (Rs. in crores)	6,854.27	7,516.98	8,433.90	9,564.02	11,069.18	12,985.77	14,871.47	16,846.30	18,519.30	20,413.60	22,413.98	25,338.31			
Route Kilometres Electrified	1,501.88	1,477.02	1,729.23	1,600.22	1,722.90	1,816.36	1,975.31	2,197.90	2,460.15	2,470.85	2,557.02	2,557.05			
Total ..	5,234.48	5,209.62	5,209.62	5,159.85	5,169.42	5,145.61	5,098.07	5,102.12	4,993.90	5,078.71	5,078.71	5,078.74			
Running track Kilometres Electrified	2,578.01	2,595.20	2,952.73	2,823.72	2,957.41	3,064.91	3,332.08	3,580.26	3,875.86	3,917.22	4,098.42	4,204.04			
Total ..	6,628.99	6,678.34	6,717.96	6,686.96	6,707.54	6,718.68	6,759.53	6,789.17	6,714.30	6,835.10	6,843.96	6,943.58			
Number of Stations	601	599	597	536	545	552	566	597	590	598	597	608			
Rolling Stock—															
Locomotives															
Steam	10	10	10	10	10	10	10	11	10	11	11	8			
Diesel	421	421	426	416	393	373	393	384	404	384	416	399			
Electric	243	223	241	265	279	290	306	333	371	384	421	435			
Coaching stock															
Passenger carriages	4,283	4,518	4,699	4,897	5,507	5,562	5,656	4,964	5,182	5,492	5,815	6,065			
Electric Multiple Unit	607	704	618	676	669	677	614	714	719	739	767	811			
Coaches.															
Rail cars	2	2	2	0	0	0	0	0	0	0	0	0			
Other coaching vehicles	206	387	464	499	282	281	385	454	321	341	341	364			
Wagons	12,405	11,813	11,530	11,064	11,224	10,653	10,548	10,258	10,078	9,957	9,856	9,734			
Staff—															
No. of employees (in 1000s)	106.844	106.258	104.865	105.177	104.660	102.472	99.329	95,741	94,942	93,805	92,758	91,810			
Cost of staff (in crores of Rs.)	1,835.52	2,055.00	2,147.91	2,250.82	2,415.74	4,374.27	5,283.43	4,647.59	4,993.43	5,592.94	6,214.11	6,871.49			
Average cost per employee (in Rs.)	1,71,708.1	1,93,645	2,04,896	2,14,787	2,30,624	4,30,712	5,00,882	4,85,434	5,28,450	5,96,231	6,69,228	7,48,447			
For the year—															
Transportation Out-put—Train-kilometres excluding Departmental (in millions)—															
Passenger and proportion of mixed	46.99	46.28	47.22	38.42	38.90	39.79	41.64	44.17	45.96	47.51	50.44	52.74			
EMU	..	..	..	..	..	..	..	8.50	8.68	8.79	8.74	8.79			
MEMU	..	..	..	..	..	..	..	1.82	1.98	2.36	2.64	2.62			
DEMU	..	..	..	..	..	..	..	0.61	0.56	0.73	0.73	0.75			
Goods and proportion of mixed	11.71	11.58	11.93	12.23	12.25	12.69	11.97	11.53	11.84	10.79	10.78	11.29			
Vehicle and wagon kilometres (excluding departmental and brake-vans) (in millions)—															
Vehicle kilometres	1,208	1,225	1,280	1,253	1,345	1,404	1,483	1,590	1,690	1,771	1,880	1,963			
EMU	..	..	..	..	..	..	..	79.30	81.43	82.69	84.67	86.35			
MEMU	..	..	..	..	..	..	..	15.67	17.03	20.08	22.39	22.85			
DEMU	..	..	..	..	..	..	..	4.52	3.70	5.18	4.88	5.44			
Wagon kilometres	1,134	1,128	1,159	1,226	1,285	1,566	1,528	1,520	1,542	1,500	1,508	1,531			
Volume of Traffic—															
Passenger Traffic—															
No. of passengers originating (in millions)	418	460	496	565	621	687	690	734	801	831	831	877			
Passenger kilometres (in millions)	38,970	43,069	46,609	55,092	57,327	69,391	70,216	74,664	82,512	84,062	82,481	83,730			
Passenger earnings (in crores of Rs.)	1,58.66	1,238.82	1,332.56	1,510.77	1,805.86	2,094.09	2,154.61	2,317.69	2,565.97	2,823.61	3,290.64	3,719.99			
Average lead (in kilometres)	88.58	87.61	89.17	93.97	87.89	93.89	95.15	94.70	95.93	96.29	96.21	95.68			
Average rate per passenger kilometre (in paise)	29.73	28.76	28.59	27.42	31.50	30.18	30.69	31.04	31.10	33.59	39.90	44.43			
Goods Traffic—															
Tonnes originating (in millions)—															
Revenue earning Traffic	23.58	22.71	26.94	31.52	30.03	33.75	35.73	35.11	39.40	37.97	42.40	39.14			
Total Traffic	24.24	23.19	27.27	31.31	30.26	34.32	36.20	35.50	39.73	38.14	42.64	39.37			
Net tonne kilometres (in millions)—															
Revenue earning traffic	13,341	13,931	14,736	14,968	15,116	16,234	16,644	15,748	17,354	17,465	18,006	18,406			
Total traffic	13,596	14,058	14,825	15,008	15,140	16,272	16,673	15,775	17,380	17,479	18,032	18,429			
Earnings from goods carried excluding wharfage and demurrage charges (in crores of Rs.)	1,036.42	1,083.04	1,288.45	1,471.88	1,617.61	1,840.80	1,818.03	1,869.51	2,140.29	2,431.09	2,696.99	2,694.94			
Average lead (in kilometres) (Revenue)	283	280	263	234	225	236	362	254	270	264	251	252			
Average rate per tonne kilometre (in paise)	77.69	77.74	87.44	98.34	107.01	267.90	109.23	118.72	123.33	139.20	149.78	161.09			
Quantity of fuel consumed by locomotives—															
Coal (in thousand tonnes)	1.86	1.97	1.85	1.74	1.90	1.46	1.51	0.58	0.45	0.10	0.02	0.03			
Diesel oil (in kilolitres)	1,80,078	1,79,191	1,85,225	1,86,260	1,82,379	1,805.77	1,789.53	1,810.60	1,892.51	1,852.46	1,881.29	1,940.18			
Stores purchased (in crores of Rs.)—															
Indigenous	974.15	1,260.84	1,638.44	1,790.10	1,901.84	3,003.37	2,872.53	2,467.68	2,522.92	2,565.62	4,075.39	2,910.81			
Total	1,015.49	1,263.20	1,699.65	1,800.81	2,308.19	3,050.84	2,890.88	2,469.21	2,535.74	2,610.11	4,225.49	3,434.22			
Operating revenue and expenditure (in crores of Rs.)—															
Revenue—Gross receipts	2,419.39	2,579.34	2,913.06	3,330.81	3,772.04	4,324.05	4,456.90	4,790.27	5,608.08	6,028.75	6,845.55	7,932.34			
Working expenses including depreciation etc. and miscellaneous expenses.	2,879.45	3,123.99	3,334.34	3,522.94	3,968.17	5,451.02	6,139.53	6,467.85	6,896.68	7,827.83	8,977.63	9,799.98			
Net revenue receipts	(-400.25)	(-501.80)	(-551.27)	(-244.85)	(-191.13)	(-1,126.97)	(-1,682.63)	(-1,677.58)	(-1,288.60)	(-1,808.10)	(-2,149.09)	(-2,201.99)			
Percentage of net revenue receipts to the capital-at-charge and investment from capital fund.	(-8.97)	(-10.80)	(-11.06)	(-4.82)	(-3.67)	(-24.25)	(-19.05)	(-16.30)	11.22	(-14.21)	(-15.36)	(-13.68)			
Operating ratio (per cent)	118.55	120.79	114.46	105.85	105.07	126.06	137.47	135.55	122.58	130.59	132.18	128.98			
Dividend to General Revenues	248.13	231.17	249.47	264.30	294.87	311.54	357.86	321.32	369.12	342.90	488.69	562.34			
Payments to States in lieu of tax on Passenger fares.															
Surplus (+) Deficit (-)	(-648.38)	(-732.97)	(-800.74)	(-509.15)	(-491.20)	(-1,447.62)	(-2,047.39)	(-1,991.92)	(-1,666.74)	(-2,151.00)	(-2,503.87)	(-2,902.62)			

* Revised

No. of Staff
(Figures in Thousands)

As on March 2015
Open line : 90
Construction : 2
Total : 92

SIXTY FIVE YEARS OF SUMMARY—concl'd.

SIXTY FIVE YEARS OF SUMMARY														Details
														Assets—(As on 31st March)
														Capital-at-charge (Rs. in crores)
														Total investment (Rs. in crores)
														Route Kilometres Electrified
														Total
														Running track Kilometres Electrified
														Total
														Number of stations.
														Rolling Stock—
														Steam ..
														Diesel ..
														Electric ..
														Passenger carriages
														Electric Multiple Unit
														coaches.
														Rail cars ..
														Other coaching vehicles
														Wagons
														Staff—
														No. of employees (in 1000s)
														Cost of staff (in crores of Rs.)
														Average cost per employee (in Rs.)
														For the year—
														Transportation Output—Train kilometres
														excluding depot, mental (in millions)—
														Passenger and proportion of mixed
														EMU
														MEMU
														DEMU
														Goods and proportion of mixed
														Vehicle and wagon K.Ms. (excluding
														depot, mental and brake vans) (in millions)—
														Vehicle kilometres
														EMU
														MEMU
														DEMU
														Wagon kilometres
														Volume of Traffic—
														Passenger Traffic—
														No. of passengers originating (in millions)
														Passenger kilometres (in millions)
														Passenger earnings (in crores of Rs.)
														Average lead (in kilometres)
														Average rate per passenger, K.M.
														(in paise)
														Goods Traffic—
														Tonnes originating (in millions)—
														Revenue earning traffic
														Total traffic
														Net tonne K.M. (in millions)—
														Revenue earning traffic
														Total traffic
														Earnings from goods carried excluding wharfage
														and demurrage charges (in crores of Rs.)
														Average lead (in kilometres)
														Average rate per tonne kilometre (in paise)
														Quantity of fuel consumed by locomotives—
														Coal (in thousand tonnes)
														Diesel oil (in kilolitres)
														Stores purchased (in crores of Rs.)—
														Indigenous
														Total
														Operating revenue and
														expenditure (in crores of Rs.)—
														Revenue—Gross receipts
														working expenses including depreciation
														etc. and miscellaneous expenses.
														Net revenue receipts
														Percentage of net revenue receipts to the
														capital-at-charge and investment from
														capital fund.
														Operating ratio (per cent)
														Dividend to General Revenues
														Payments to States in lieu of tax on
														Passenger fares.
														Surplus (+)/Deficit (—)

दक्षिण रेलवे/SOUTHERN RAILWAY

सघनता विवरणिका 2014-2015 (बड़ी लाइन)/DENSITY STATEMENT FOR THE YEAR 2014-2015—BROAD GAUGE

Serial No.	Name of the Section	Route No of the Section	Whether the Section is Single/Double/Trip	Whether the Section is Electrified	Average Daily No. of Coaching trains run on the Section		Average total Daily No. of Vehicles (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 107 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)
	CHENNAI DIVISION	673			Up.	Dn.	Up.	Dn.	Up.	Dn.	Up.	Dn.	Up.	Dn.		Up.	Dn.	Up.	Dn.	Up.	Dn.	Up.	Dn.
1	MAS-GDR	136	D	E	70.922	70.922	1376.091	1376.091	7.243	6.671	346.082	309.852	18265	7696	25960	28365	16857	47883	47883	76248	64539	2522	1154
2	MAS-AJJ	69	D	E	172.875	172.875	2730.492	2730.492	13.574	15.070	708.669	788.749	12389	41961	54350	32480	64245	102016	102016	134497	166261	913	2784
3	AJJ-JTJ	144	D	E	41.762	41.762	1631.347	1631.347	21.020	21.041	1040.427	1031.071	10092	57415	67507	39519	86874	47451	47451	86970	134325	480	2729
4	AJJ-RU	72	D	E	17.017	17.017	455.692	455.692	17.526	15.151	833.508	726.339	45183	15388	60571	69422	36303	13930	13930	83352	50233	2578	1016
5	MSB-CGL (Incid. in KOK-VM)	59	S	E	77.097	77.096	921.157	921.156	0.000	0.000	0.000	0.000	0	0	0	0	0	44162	44163	44162	44163	0	0
6	MSB-VLCY EMU	20	D	E	64.903	64.903	419.910	419.910	0.000	0.000	0.000	0.000	0	0	0	0	0	20140	20140	20140	20140	0	0
7	VM-KOK	169	S	E	25.338	25.338	972.826	972.826	1.776	2.585	76.695	121.565	2381	6888	9269	4638	10326	28202	28202	32840	38528	1341	2665
8	CGL-AJJ	63	S	E	10.737	10.737	150.649	150.649	0.011	0.002	0.568	0.064	0	4	4	50	39	6088	6088	6138	6128	0	1855
	PALAKKAD DIVISION	491																					
1	PTJ-PGT	49	D	E	31.324	31.324	1161.296	1161.296	8.105	8.245	353.432	346.342	13735	10855	24590	20328	26499	33832	33832	54159	80330	1695	1317
2	PGT-SRR	44	D	E	30.599	30.599	1156.413	1156.413	7.466	8.559	310.823	353.201	7895	15288	23183	17896	26559	33571	33571	51487	60130	1057	1778
3	SRR-CLT	86	D	NE	27.320	27.320	1014.288	1014.288	3.448	3.951	141.681	157.323	4036	5955	9992	8771	11156	29357	29357	38127	40512	1171	1507
4	CLT-CAN	89	D	NE	26.356	26.356	986.509	986.509	2.667	3.302	107.476	124.475	4960	2067	7047	8708	6319	28552	28552	37260	34871	1860	632
5	CAN-MAQ	131	D	NE	21.788	21.788	821.539	821.539	2.702	3.272	144.158	130.138	6083	783	6865	9986	5100	23913	23913	33899	29023	2251	239
6	PGT-PGTN	4	S	NE	3.722	3.722	65.967	65.967	0.000	0.003	0.000	0.115	0	0	0	0	3	2183	2183	2183	2186	0	0
7	SRR-NIL	66	S	NE	7.000	7.000	151.918	151.918	0.057	0.059	0.993	1.103	0	66	66	63	133	4651	4651	4714	4784	0	1123
8	MAQ-PNMB	22	S	NE	8.234	8.234	272.161	272.161	0.970	1.984	44.127	86.412	2169	251	2421	3659	3080	8088	8088	11747	11168	2236	127
	TRIVANDRUM DIVISION	620																					
1	SRR-CHTS	115	D	E	38.117	38.117	1474.532	1474.532	4.892	5.813	210.955	237.644	6015	9506	15521	12761	17023	42518	42518	55278	59541	1230	1694
2	ERS-QLN	156	S	E	25.795	25.795	963.972	963.972	1.061	1.191	43.372	48.159	393	2396	2789	1854	4000	27845	27845	29699	31844	370	2012
3	QLN-TVC	65	D	E	30.489	30.489	1172.505	1172.505	0.569	0.981	26.590	43.546	327	1253	1580	1201	2650	33805	33805	35006	36456	574	1278
4	NCJ-TEN	73	S	NE	10.828	10.828	388.279	388.279	0.659	1.021	30.136	44.959	696	937	1633	1647	2336	11261	11261	12909	13597	1055	918
5	CAPE-TVC	87	S	NE	12.942	12.942	410.558	410.558	0.437	0.738	20.247	32.815	317	782	1099	987	1835	11979	11979	12966	13815	726	1060
6	ERS-ALLP	57	S	E	16.751	16.751	618.365	618.365	0.664	1.108	30.796	49.439	154	2685	2839	1113	4256	17816	17816	18950	22072	231	2423
7	ALLP-KYJ	44	S	E	14.031	14.031	500.082	500.082	0.614	1.077	28.343	48.004	158	2606	2764	1063	4131	14453	14453	15516	18584	258	2419
8	TCR-GUV	23	S	E	7.000	7.000	212.143	212.143	0.000	0.000	0.000	0.000	0	0	0	0	0	6075	5722	6075	6075	0	0

दक्षिण रेलवे/SOUTHERN RAILWAY

सघनता विवरणिका 2014-2015 (छोटी लाइन)/DENSITY STATEMENT FOR THE YEAR 2014-2015—METRE GAUGE

14-KM 1441-1441 2014-2015 (01.01.14-31.12.14)/DENSITY STATEMENT FOR THE YEAR 2014-2015—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-wheels) Run on the Section		Average Daily No. of Goods trains run on the Section		Average Daily total No. of wagons (in terms of 8-wheels) 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 Coaching 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 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	Average net load per Goods train			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
1	SALEM DIVISION MTP-UAM	46	S	NE	Up.	Dn.	Up.	Dn.	Up.	Dn.	Up.	Dn.	Up.	Dn.	0	5	5	708	708	713	713	0	0

Note : Route Kilometre as per Annual statistical Statement No. 8 for M. G.
Route Kilometre as per Density Statement for M. G.

466.25
46.00

The Difference is due to Inclusion of sections under Gauge conversion Sencottah (SCT)-Punalur(PUU) 48 Kms. Madurai (MDU) Bodinayakanur (BDNK) 90 Kms., Tiruturaipoondi(TTP)-Agastyampalli(AGX) 37 Kms., Tiruturaipoondi(TTP)-Karaikkudi (KKDI) 121 kms.Tiruturaipoondi (TTP) . Thiruvavur 26 kms. Pollachi(POY)-Pallakkad Town (PGTN) 58Kms. Kinattukkadavu (CNV)- Pollachi(POY) 23 Kms., Podanur (PTJ)- Kinattukkadavu (CNV) 17 Kms., Totaling 420 Kms. and rounding OFF.

दक्षिण रेलवे/SOUTHERN RAILWAY

वर्ष 2014-2015 के लिए प्रमुख मार्ग एवं अन्य सड़कों का धनत्व विवरण/

DENSITY STATEMENT FOR ARTERIAL ROUTES AND OTHER ROUTES FOR THE YEAR—2014-2015

(Figures in Thousands)

Routes	NTKM				GTKM			
	Up	Down	Goods		Coaching		Combined	
			Up	Down	Up	Down	Up	Down
BROAD GAUGE								
Arterial	57,46,214	1,14,33,202	1,28,76,045	1,89,69,383	2,47,17,750	2,47,17,750	3,75,93,795	4,36,87,133
Others	5,18,293	7,37,328	10,93,900	12,57,590	52,51,079	52,51,079	63,44,979	65,08,669
Total	62,64,507	1,21,70,530	1,39,69,945	2,02,26,973	2,99,68,829	2,99,68,829	4,39,38,774	5,01,95,802
METRE GAUGE								
Arterial	0	0	0	0	0	0	0	0
Others	0	0	52	52	5,209	5,209	5,261	5,261
Total	0	0	52	52	5,209	5,209	5,261	5,261