

महा प्रबंधक की वार्षिक रिपोर्ट

General Manager's

ANNUAL NARRATIVE REPORT

2019—2020

दक्षिण रेलवे/SOUTHERN RAILWAY

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

जनवरी/January-2024

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

मैं, 31 मार्च 2020 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 2020.

आर. एन. सिंह

R. N. SINGH

महा प्रबंधक/GENERAL MANAGER

विषय-वस्तु/CONTENTS	
	Page No.
शब्दावली/GLOSSARY OF TERMS	..
परिचालन संबंधी विशिष्टताएं/HIGHLIGHTS OF OPERATIONS	..
अध्याय/CHAPTER I—सामान्य समीक्षा/GENERAL REVIEW	1
अध्याय/CHAPTER II—राजभाषा में प्रगति/PROGRESS OF HINDI	18
अध्याय/CHAPTER III—वित्तीय परिणाम/FINANCIAL RESULTS	21
अध्याय/CHAPTER IV—नए निर्माण एवं इंजीनियरी कार्य NEW CONSTRUCTION AND ENGINEERING WORKS	34
अध्याय/CHAPTER V—परिवहन/TRANSPORTATION	155
अध्याय/CHAPTER VI—वाणिज्य/COMMERCIAL	163
अध्याय/CHAPTER VII—यांत्रिक इंजीनियरी/MECHANICAL ENGINEERING	171
अध्याय/CHAPTER VIII—बिजली इंजीनियरी/ELECTRICAL ENGINEERING	177
अध्याय/CHAPTER IX—सिग्नल व दूर संचार/SIGNAL AND TELE-COMMUNICATION	180
अध्याय/CHAPTER X—भंडार/STORES	208
अध्याय/CHAPTER XI—चिकित्सा/MEDICAL	215
अध्याय/CHAPTER XII—कर्मचारी/STAFF	222
अध्याय/CHAPTER XIII—यात्रियों को सुख-सुविधाएं/AMENITIES FOR PASSENGERS	232
अध्याय/CHAPTER XIV—संरक्षा/SAFETY	246
अध्याय/CHAPTER XV—सुरक्षा व्यवस्था/SECURITY ARRANGEMENTS	248
सत्तर वर्ष का सार/70th Years of Summary	253
सघनता चार्ट/Density Statement	260

SOUTHERN RAILWAY

परिचालन संबंधी विशिष्टताएं/HIGHLIGHTS OF OPERATIONS

Particulars	Units	2018-19	2019-20
<i>Financial Position —</i>			
Capital-at-Charge	₹ in Crores	16945.73	18696.86
Capital Fund	₹ in Crores	4640.62	4640.62
Gross Earnings	₹ in Crores	8464.11	8189.02
Working expenses (excluding suspense)	₹ in Crores	9577.92	11933.55
Net Earnings	₹ in Crores	-4305.67	-3804.54
Operating Ratio	Percentage	152.62	146.46
Percentage of Net Earnings to Capital-at-charge and investment from Capital Fund	Percentage	(-)19.95	(-)20.35
<i>Passenger Statistics —</i>			
No. of Passengers Originating	In Millions	838	800
No. of Passengers Carried	In Millions	903	846
Passenger Kilometres	In Millions	88500	88131
Earnings from Passenger Carried	₹ In Crores	4482.49	5045.93
Average Earning per Passenger Kilometres	In Paise	50.65	57.25
Average length of Passenger journey	Kilometre	98.01	104.21
<i>Freight Statistics —</i>			
Freight Tonnes Originating	In Millions	35.75	31.75
Freight Tonnes Carried	In Millions	59.68	54.37
Freight Tonne Kilometres	Kilometre	16964.40	15459.40
Earnings from Goods Carried	₹ in Crores	3061.90	2692.29
Average Earning per Freight Tonne Kilometres	in Paise	180.49	174.16
Average Lead of Tonne of Goods (Revenue)	Kilometre	284.26	284.33
<i>Train Statistics —</i>			
Train Kms. Pass & Goods incl. Dept. EMU, MEMU, DEMU (in thousands)	Kilometre	<u>79347</u>	79815
Gross Earnings per Train Kilometres	₹	1066.72	1026.00
Working Expenses per Train Kilometres	₹	1207.09	1495.15
Net Earnings per Train Kilometres	₹	-545.93	-476.67
<i>Staff —</i>			
No. of Staff as on 31st March	Number	85839	84660
Cost of Staff	₹ In Crores	10384.29	10763.18
<i>Station and Route Kilometrage —</i>			
No. of Stations as on 31st March (Excl. Halts & incl. Block Huts)	Number	611	610
Route Kilometres as on 31st March	Kilometre	5081.06	5086.69

Note : _____ indicates revision due to adoption of FOIS data as per Railway Board's order.

SOUTHERN RAILWAY
परिचालन संबंधी विशिष्टताएं/HIGHLIGHTS OF OPERATIONS

Details	Units	2018-19	2019-20
Assets (as on 31st March)			
Capital-at-Charge	₹ in Crores	16,945.73	18,696.86
Total Investment	₹ in Crores	36,496.17	39,619.62
Route kilometers-Electrified	₹ in Crores	3,223.58	3,418.96
Total Route kilometers	₹ in Crores	5,081.06	5,086.69
Running Track kilometers-Electrified	₹ in Crores	5,467.59	5,703.35
Total Running Track kilometers	Percentage	7,342.95	7,376.53
Number of stations Excl Halts & Incl. Block Huts. ..	Percentage	611	610
ROLLING STOCK			
Locomotives- Steam	In Millions	8	8
Diesel	In Millions	350	344
Electric	In Millions	489	528
Coaching Stock-Passenger Carriages	₹ In Crores	6,638	6819
E.M.U. Coaches	In Paise	833.84	887.17
Rail Cars	Kilometre	0	0
Other Coaching Vehicles	Kilometre	439	421
Wagons	Kilometre	9,536	10,000
STAFF—			
No. of employees	Number	85.839	84.660
Cost of Staff	₹ In Crores	10,384.29	10,763.18
Average cost per employee	₹	12,09,741	12,71,342
TRANSPORTATION OUTPUT			
Train Kilometres excluding departmental	In Millions	...	...
Passenger and proportion of Mixed	₹ in Crores	55.01	55.57
EMU		9.26	9.02
MEMU		3.11	3.50
DEMU		1.40	1.55
Goods and proportion of Mixed	Kilometre	10.56	9.97
Vehicle and Wagon Kilometres excl dept. and Brakevans			
Vehicle	Kilometres	2,122.80	2135.77
EMU		95.07	93.13
MEMU		28.00	31.71
DEMU		11.01	11.79
Wagon	Kilometre	479	450
VOLUME OF TRAFFIC-PASSENGER TRAFFIC			
No. of Passengers originating	In Millions	838	800
Passenger Kilometre	In Millions	903	846
Passenger Earnings	₹ In Millions	88500	88131
Average Lead	in Kilometre	98.01	104.17
Average rate per Passenger per	in Kilometre	50.65	57.25

SOUTHERN RAILWAY

परिचालन संबंधी विशिष्टताएं/HIGHLIGHTS OF OPERATIONS

Details	Units	2018-19	2019-20
GOODS TRAFFIC			
TONNES ORIGINATING	in Millions		
Revenue earning traffic		35.75	31.75
Total traffic		35.97	31.96
NET TONNE KMS. (in Millions)	in Millions		
Revenue earning traffic		16964	15459
Total traffic		16976	15473
Earnings from Goods carried excluding wharfage and demurrage charges Revenue and Non-Revenue	₹ in Crores	3,065.22	2695.37
Average Lead -Revenue Kilometre.. .. .		283	283
Average rate per tonne km.	In Rs.	1.81	1.74
QUANTITY OF FUEL CONSUMED BY LOCOMOTIVES			
Coal (tonnes)	In Thousands	0.00	0.00
Diesel oil (in hundreds of kilo litres)		1,677.29	1361.07
STORES PURCHASED	₹ In Crores		
Indigenous (Excluding imported Direct)		5,165.61	5636.63
Total		5,175.54	5642.10
OPERATING REVENUE & EXPENDITURE	₹ In Crores		
Revenue-Gross Receipts		8,464.11	8189.02
Working expenses including depreciation etc., and Miscellaneous expenses		12,773.24	11726.25
Net Revenue Receipts		(-) 4305.67	(-)3509.28
Percentage of Net Revenue Receipts to the Capital-at-Charge and investment from Capital Fund		(-) 19.95	(-)18.77
Operating Ratio	Percentage	152.62	146.48
Dividend to General Revenues		0.00	0.00
Surplus (+) Deficit(-)		(-) 4,305.67	(-)3509.28

No. of Staff As on March 2020

(Figures in 000's	83.53
OPEN LINE CONSTRUCTION	1.13
TOTAL	84.66

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 :—

Tamilnadu Industrial Development Corporation Ltd. (TIDCO)

Sl. No.	Industrial Projects relating to TIDCO	Nos.	Enclosures
1.	No. of Projects completed and commissioned during 2019–20.	—	—
2.	Under Construction and Anticipated production.	—	—
3.	Proposals if any for new Industries to be taken.	—	—
4.	No. Projects under Implementation	11	Details shown below

Projects under implementation

1. TRIL Infopark Limited at Taramani.
2. TICEL Bio Park - III Project in Coimbatore District.
3. Polymer Industries Park Project in Tiruvallur District.
4. Solar Thermal Power Project in Ramnathapuram District.
5. Special Economic Zone/Special Investment Region project in Krishnagiri District.
6. AEROHUB - Aerospace Advanced Computing and Design.
7. Heavy Engineering Components Hub Project in Tiruvallur District.
8. Medipark near Chengalpattu.
9. Chennai Bengaluru Industrial Corridor (CBIC) – Ponneri Industrial Node.
10. Tamilnadu Trade Promotion Organisation (TNTPO) - Expansion of Chennai Trade Centre (CTC).
11. Multimodal Logistics Park in Tiruvallur District.

Projects completed and commissioned during 2019–20 Power projects in Kerala

Sl. No.	Name of the Project	Capacity (MW)
---------	---------------------	---------------

(I) Power projects commissioned during 2019-20

A SOLAR

1	Ground Mounted KSEBL - Kottiyam - Kollam	0.6
2	KSEBL Roof top - IPDS South (24 Nos.)	0.495
3	TRoof top solar at LSGD Wayanad	0.072
4	Roof top solar at Municipal Corporation, Kozhikode.	0.0024
5	Roof top solar at Attingal Municipality	0.0575
6	Roof top solar at Jilla Panchayat Kasaragod	0.34
7	Roof top solar at Jilla Panchayat Kozhikode	0.48
8	On grid solar consumers	35.59
	Sub Total	37.6524

Sl. No.	Name of the Project	Capacity (MW)
B WIND PROJECTS		
1	Malayala Monorama	10
	Sub Total	10
	Total Capacity of Projects Commissioned.	47.6524

(II) Projects Under Construction

A HYDRO

1	Bhoothathankettu	24
2	Chathankottunada - II	6
3	Pallivasal Extension	60
4	Thottiyar	40
5	Poringalkuthu SHP	24
6	Upper Kallar	2
7	Pozhassi Sagar	7.5
8	Peruvannamoozhi	6
9	Chinnar	24
	Sub Total	193.5

B SOLAR

1	Roof top solar	200
2	Solar Park at Paivallka, Kasaragod	50
3	Floating Solar Kayamkulam	92
4	West Kallada Floating Solar	10
5	Jilla Panchay at Kannur 1st phase (29 Nos.)	0.67
6	Jilla Panchay at Kannur 2nd phase (29 Nos.)	0.45
7	Jilla Panchay at Kannur 3rd phase (29 Nos.)	0.335
8	Jilla Panchay at Kkozhi code (44 Nos.)	0.48
9	National Centre for Earth science Studies	0.025
10	Hitech diary farm, Kuriyottumala, rooftop	0.0055
11	Jilla Panchay at Malapuram (11 Nos.)	0.11
12	Jilla Panchay at Kasaragod 1st phase (3 Nos.)	0.195
13	Jilla Panchay at Kasaragod 2nd phase (3 Nos.)	0.335
14	Jilla Panchay at Kasaragod 3rd phase (3 Nos.)	0.09
15	Jilla Panchayat Kasaragod 4th phase (3 Nos.)	0.2
16	Jilla Panchayat Kottayam	0.022
17	Calicut Univercity	0.057
18	Attingal Municipality 1st phase	0.027
19	Attingal Municipality 2nd phase	0.027
20	Attingal Municipality 3rd phase	0.056
21	Jilla Panchayat Kollam 10 Nos.	0.09
22	Thavinjal Grama Panchayat Wayanad	0.0125
23	District Hospita Manathavady	0.017
24	Kerala Health Univercity (KUHS)	0.25
25	Trivandrum Jilla Panchayat	0.506
26	Medical College (Trivandrum & Paripally)	1.26
27	Mylatty Kasaragod	1

2 द. रे. वार्षिक रिपोर्ट/S. R. ANNUAL REPORT 2019-20

Sl. No.	Name of the Project	Capacity (MW)
A HYDRO		
28	Rooftop KSEBL	1.12
29	Jilla Panchayat Palkkad Agali Goat Farm	0.5
30	Wayanad District Court	10.045
31	Municipal Corporation Kozhikode	0.025
32	Koyilandy taluk Hospital	0.03
33	Nenmara	0.5
Sub Total		360.44
C Wind projects		
1	NHPC Wind project at Agali	8
2	Ramakkalmedu Power Pvt Ltd.	2
3	SECI Wind projects	300
Sub Total		310
	Waste to energy project Brahmapuram	9.76
Total Capacity of Projects Under Construction.		873.7
Project Proposals		
A HYDRO		
1	Olikkal	5
2	Poovaramthode	3
3	Chembukadavu Stage III	7.5
4	Peechad SHEP	3
5	Ladrum	3.5
6	Marmala SHEP	7
7	Mankulam HE Project	40
8	Upper Sengulam	24
9	Valanthode	7.5
10	Maripuzha	6
11	Anakkayam	7.5
12	Achankovil	30
13	Pasukkadavu Small HE Scheme	4
14	Chathankottunada	5
15	Keerithodu SHEP	12
16	Western Kallar	5
Sub Total		170
B SOLAR		
1	Roof top of solar	300
2	District Collectorate roof top	0.38
3	Sainik School, Kazhakuttam	0.159
4	Indian Coast Guard	0.077
5	CRPF, Pallipuram	0.4
6	Trivandrum LSDG, Phase 2	0.121
7	Kerala Agricultural University (KAU)	0.1
8	KAU premises	0.08
9	Achutha Menon block	0.01
10	BCCP building	0.01
11	Kozhikode Municipal Corporation, Deputy Director Education, 3 Schools	0.065
12	Kozhikode District Panchayanth 2nd phase, rooftop	0.4
13	Kannur District Panchayanth 3rd phase, rooftop.	0.335

Sl. No.	Name of the Project	Capacity (MW)
A HYDRO		
14	Hitech diary farm, Kuriyottumala, rooftop	0.1
15	Perlasseri Grama Panchayath, Ground mounted.	0.2
16	Chengalayi Grama Panchayath, rooftop	0.01
17	Taluk hospital, Perambra, rooftop	0.05
18	Kerala Water Authority, Irikkur, Kannur, ground mounted.	1
Sub Total		303.497
Total Capacity of Project proposals		473.497

Details of Quantity of Mineral Produced and their Uses during the year 2019-20

Major Minerals

Sl. No.	Name of mineral	Production (in metric tonne)	Uses
1	Bauxite/ Laterite	-	Cement Industry, Chemical Industry.
2	Ilmenite	97736	One of titanium, synthetic rutile, in paint industry.
3	Rutile	3984	Ore of titanium, in paint industry.
4	Zircon	6133	Ceramic industry (Zir flor)
5	Sillimanite	6584	Granular Sillimanite (refractory purpose)
6	Leycoxene	Nil	Ore of Titanium
7	Limeshell	1000	Cement Industry (white Cement), Chemical industry.
8	Limestone	481232	Cement Industry
9	Graphite	Nil	Refractory, crucibles, Pencil leads, moderator in atomic reactors.

Minor Minerals

1	Chinna Clay	5,50,751	In Paper indutry (coating as well as filler material) Pharmaceuticals, ceramics etc.
2	Slica Sand	57,637	Glass, refractory, cast iron & mould industries.
3	Granite (Build Stone)	2,99,62,412	Construction Sector
4	Granite (CBM) Dimension stone)	350	Construction Sector (as flooring slabs)
5	Laterite (Building stone)	8,09,168	Construction sector
6	River sand	Nil	Construction Sector
7	Lime shell	213	Lime industry
8	Ordinary sand	2,72,515	Construction Sector
9	Ordinary Earth	67,66,017	Construction Sector
10	Brick clay	2,11,986	Brick, tile industry
11	Laterite (Cement)	41,473	Cement Industry

* - in cubic Meters

- As per the details received from Revenue Department

A. Agriculture

Comparison of Area, Production of crops during 2018–19 and 2019–20.

Sl. No.	Name of Crop	Area (Ha)		Relative Change in percentage	Production (tonnes)		Change in Change in percentage
		2018–19	2019–20		2018–19	2019–20	
1	Paddy/Rice	2,07,788.05	1,98,180	-4.85%	5,78,256.03	6,05,541	4.51%
2	Cholam/Power	205	285	28.07%	167.5	235	28.72%
3	Ragi/Finger millet.. ..	224.7	213	-5.49%	271.45	261	-4.00
4	Maize	104.33	113	7.67	144.384	140	-3.13%
5	Small millet	48	57	15.79%	34.5	43	19.77%
6	Wheet	1.4	1	-40.00	2.03	2	-1.50%
7	Tur/Redgram	582.9	313	-86.23%	437.9	522	16.11%
8	Gram	690.0	600	-15.15%	542.011	454	19.39%
9	Cowpea	5803.05	NA	-	35845.82	NA	-
10	Other Pulses	1532.05	1347	-13.80	1316.413	1207	-9.06
11	Sugarcane	1011.88	950	-6.51%	10629.885	12083.5	12.03%
12	Groundnut	187.3	117	-60.09%	239.4	147	-62.86%
13	Seasumum	377.657	208	-81.57%	157.752	129	-22.29%
14	Coconut **	790946.63	NA	-	5299	NA	-
15	Other Oil Seeds	1995.52	NA	-	-	NA	-
16	Cotton	59.4	54	-100.00%	89.51	81.77	-9.47%
17	Betel leaves.. ..	240.99	NA	-	11113.75	NA	-
18	Tobacco	7.28	8	9.00%	11.65	14.4	19.10%

Source : The agricultural Statistics 2018–19 and final estimate of crops 2019-20 published by Department of Economics and Statistics, Kerala.

* The production of paddy figured here is the production of rice. Production of paddy is not seperately published.

** Prduction is Million nuts.

*** Production is No. of Bales of 170 Kg. each.

Transport Department (2019–20)/Tamil Nadu State

Sl. No.	Description		2018-19	2019-20
1.	No. of routes operated	-	10490	10536
2.	Fleet Strength	Nos.	21542	21513
3.	Total Kilometre Operated per day.	in Lakh Kms.	85.23	83.44
4.	Total passengers carried per day.	in Lakhs	167.44	163.08
5.	Fleet utilization	Percentage	92.69	90.43
6.	Kilometre efficeincy (excluding specials)	Percentage	97.58	94.27
	Kilometre run per liter of diesel.	KMPL		
7.	(a) City/Town	KMPL	5.21	5.21
8	(b) Mofussil	-	5.48	5.50
9.	Overall	-	5.33	5.33

Statement of Area and Production of Major Crops including the fasli year 2018–19 and 2019–20

Name of Crops	2019–20		2018–19	
	Area (in 000 ha)	Production in (000 tonnes)	Area (in 000 ha)	Production in (000 tonnes)
Rice	1907.82	7348.08	1721.26	6131.55
Cholam	451.39	473.000	385.85	464.48
Cumbu	66.07	193.525	46.88	118.01
Ragi	84.70	148.71	78.60	255.98
Maize	334.10	2553.43	390.56	2834.44
Pulses	825.28	523.96	850.54	551.11
Oil seeds	409.60	1024.14	390.21	940.68
Groundnut	346.45	983.73	335.49	911.24
Cotton	169.83	411.45	134.92	320.30
Sugarcane	124.74	12660.82	166.41	17096.34
Tobacco	1.70	2.60	2.11	3.224
Dry chillies	NA	NA	45.95	14

NA : In the means of No Arise

2. Railway Kilometrage

The open line kilometrage as on 31st March 2020

Gauge	Route Kilometrage			Track Kilometrage including Sidings Kilometrage
	Single Line	Double/ Triple/ quadruple lines	Total	
Broad Gauge	2817.58	2036.70	4914.28	8923.89
Metre Gauge	172.41	0.00	172.41	179.10
Narrow Gauge	0.00	0.00	0.00	0.00
Total	3049.99	2036.70	5086.69	9102.99

Note.—

Out of 172 km. of MG Route km, 126 km. are under various stages of gauge conversion.

3. General Review of working for the year 2017–2018 and 2018–2019 are as follows :—

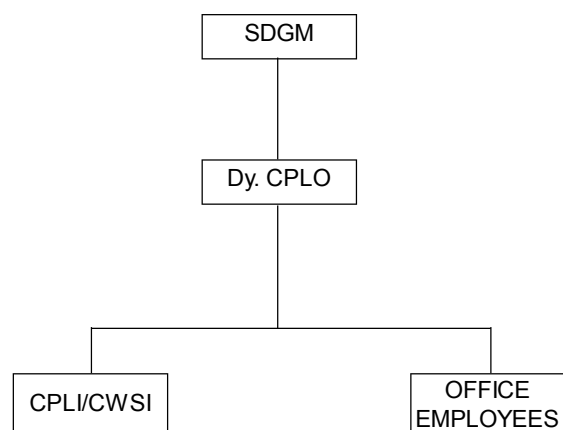
	2018–19	2019–20
Gross Earnings (in crores of rupees).	8,464.12	8,189.02
Working Expenses (excl. Suspense) (in crores of rupees).	9,576.73	10,446.18
Number of passengers carried.. (in millions).	902.75	845.69
Tonnes originating (Revenue) .. (in millions).	35.75	31.75
Tonnes Carried (System) (Revenue) (in millions).	59.68	54.37
Freight tonne kms. (Revenue) .. (in millions).	16,964	15,459
Goods Train kms. (in millions)..	9.66	9.97
Train Engine kms. (Goods and prop.) (in millions).	17.79	21.37

4. PLANNING BRANCH - EFFICIENCY CELL

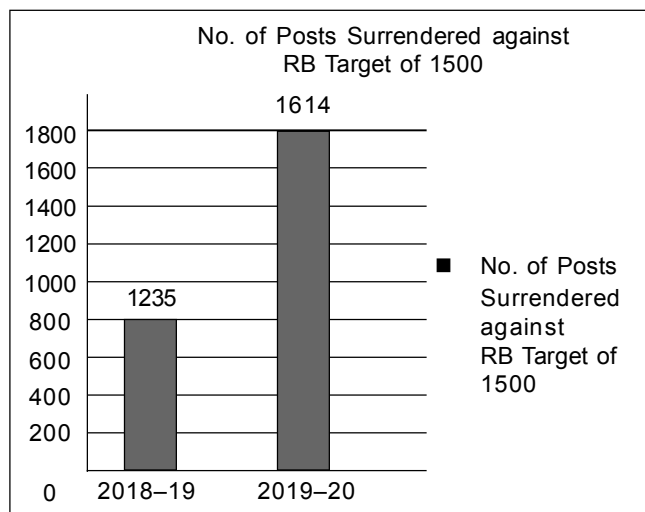
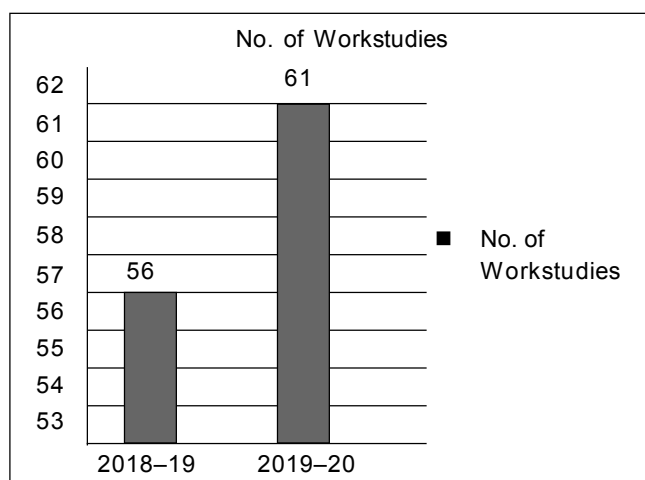
1.0 WORK STUDIES/CRASH STUDIES

The Planning Branch act as efficiency ambassador of Southern Railway. This branch conducts Work Studies and system Studies to identify under utilization of man power, in various field units and system audits to analyse, how systems can be achieved to improve efficiency and efficacy. The recommendations of the work-study are made based on the Yard stick, Bench Mark and as per the need for work analysis on various activities, also considering Technological Improvements and outsourcing of activities. The surplus posts arrived at, are recommended for surrender and the surrendered posts are credited to the Vacancy Bank as per Railway Board norms.

To achieve this, Planning Branch works under the supervision of SDGM/CVO. The organizational chart of planning branch is given below.



- During the year 2019-20, 61 Work Studies were completed. 985 surplus posts were identified with a projected savings of Rs. 51 cr. per annum (Approximately).
- 1614 posts were surrendered during the year 2019-20 surpassing the Railway Board's target of 1500 posts by a whopping 108%. The Annual Financial savings on account of the above surrender is Rs. 83.57 cr. (Approximately).
- Graphical illustration of performance of the Planning branch is given below:—



- The achieved surrenders as discussed above have significantly brought down to approximately 50% of the figures in 2017/18 resulting in pending surrender over the years as tabulated below.

Sl. No.	Year	Pending studies	Pending Surrenders
1.	2017-18	120	2590
2.	2018-19	112	2174
3.	2019-20	120	1533

- Thus it seen that the percentage of pending surrenders is brought by 50. This comprehensively highlights the efficacy of the planning branch in last three years.
- The proposal for creation of posts is also routed through Planning Branch to monitor the surrendering of surplus posts identified through Work Studies. A total of 614 posts have been agreed for creation for the 3 No. of proposals from Mechanical, Commercial and S & T departments.
- No. of Chief Work Study = 11
No. of Chief Planning Inspectors = 02
(Total Inspectors = 13)

2.0 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. From the year 2020 Momthly Gazette have been e-published.

3.0 OTHER COORDINATION WORKS:-

- The Planning Branch is compiling the details of Work load indices of various Divisions and submits to Railway Board every year. The Planning Branch is coordinating with all Departments to adjudge the best performing Division/Units for conferring Efficiency Shields during Railway Week Celebrations. The Efficiency Shields are made ready for the distribution by GM during Railway Week celebrations in the month of April with respect to the various winners, for the shield for all the departments each year.

5.0 STATISTICAL ORGANISATION

Statistical Organization is functioning under the Directorate of Statistics & Economics, Railway Board. At Zonal level the statistical Branch functions under the Administrative control of the Principal Financial Commissioner, with the overall supervision of FA&CAO/T, Dy.CAO/T with Statistics and Analysis Officer as the Branch 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 reposition.
- ◆ 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 the checking and consolidation 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 in Monthly Statistical Stt. 6A.
- ♦ 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 (Locomotive) 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 Kilometers per Engine day in use etc. are compiled and sent to Board every month.

Goods Operating Statistics:- statements consisting 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 – depicting data data for five years at a glance covering important statistical parameters of Southern Railway, with graphical representation, is published as a handy tool 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.

A Chart on density of traffic section-wise, division-wise is prepared with the assistance of drawing branch 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 inspectorial 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 are made to ensure correct compilation of vital statistics. The errors noticed during inspection were notified to concerned staff for avoidance in future. Accountal procedures pertaining to various newly introduced mode of booking like ATVM, COTM and mobile bookings were also taken care of in Advance Trimonthly Statement of Gross earnings.

Latest initiatives:

With the introduction of IT, large strides have been made in the platforms of FOIS/ICMS/IPAS modules regarding availability of Statistical Data. Process is underway to make use of the above modules to the maximum in compilation of Operating Statistical fundamentals for managerial purposes. On the Commercial side, TAMS module is being used to generate Passenger Revenue Statistics, and the consolidation of 10-day Advance Gross Earnings Statement and Goods Revenue Statistics is based on consolidated reports as made available in UTS/PRS/FOIS modules. Efforts are also being made to adopt FOIS based statistical data in a full-fledged manner to switch over from manual computation of Operating Statistical Fundamentals from CTRs in the ensuing Financial Year.

TRAFFIC COSTING CELL:

Traffic Costing Cell of this Railway continued to do the activities relates to the following in 2018-19.

- (1) Analysis in Cost and Class-wise profitability 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 Shunting engine Hourly costs of Shunting and Train Engines.
- (6) Coast Escalation in Coaching and Goods services for the ensuing years by factoring in the Current year Actual, Budget and Revised Estimate data.

The reports pertaining to the above were sent to Railway Board to enable preparation of End results booklet, containing the Unit-Costs of Coaching and Goods services.

EDPM

Southern Railway Information Technology centre (SRITC) is located in Moore Market Complex, 8th floor, Chennai. This office is designated as 'Nodal Office' for the implementation of IPAS modules in Southern Railway by coordinating with the end users and CRIS, which involves trouble shooting, monitoring day-to-day activities, ensuring security by periodical checking on roles and privileges assigned to user-IDs and addressing DF(CCA)/RB/NDLS & AM (Finance)/RB/NDLS for the fine tuning of IPAS software as per the latest requirements, procedures and policies.

Technical Clearance is accorded by this office for the procurement of PCs & Peripherals by all the departments in HQ Workshops/PER, Construction Units and MAS division.

In addition to the above, the following applications and processing are done for users at HQ/Divisional levels as per their requirements.

1. Internal Check

Facility has been made for those reports and queries which are not available in IPAS by downloading data from IPAS and storing it in a database created for this purpose and generate customized reports as and when requested by the user.

2. E-Suspense and G-Suspense

Coordinating between CRIS and the users, by raising Service requests for the modifications required with CRIS and the following up, till the issues are resolved.

3. Provident Fund

The Old PF data is maintained for analysis of 10 years data by Accounts Department for verification at the time of employee retirement.

4. Books

Facility has been made by this office, for those reports and queries required by the users, which are not available in IPAS, by taking data from IPAS and storing it in a database created for this purpose and generated monthly reports.

5. Traffic Accounts

Maintenance and Trouble Shooting of the following sections of Traffic Accounts in AFRES.

1. Cash and Voucher :-Updation of Station Master as and when new Stations are opened for traffic.

2. Balance Sheet :-Updation of Station Master as and when new Stations are opened for Goods traffic.

3. Error Advice (Outstanding Section)

Modification of existing forms and reports done for all the above modules as and when requested by users.

6. REMITTANCE INTO BANK

Module still running in AFRES only. Porting of cash office daily data from PGT and TVC divisions done on a monthly basis along with TPJ cash data received as files. After receipt of credit data from banks, cleansing like date correction and checking for duplicate data are done. Monthly process of

matching credit data and debit data is done and unmatched listing (I listing) sent for checking. After ARD corrections final processing done and various reports handed over to books section for further action. Yearly DHR exception reports generated and given. Penal Interest for delay in remitting by banks is calculated half yearly and statements given to Books for reconciling with the banks.

7. Cash & Pay

MCR data (cash & Chque) entered in IPAS is ported into AFRES for HQRS, TVC, PGT. Assisting Divisions/ Unit. Data Porting from IPAS to AFRES on duly basis for necessary processing and taking reports by HQ, MAS, PER, TVC & PGT since cash module was not fully implemented in IPAS.

Cash Remittance Note (CRN) for Traffic earnings is maintained in AFRES only. Trouble shooting is done to generate challans and also to process everyday Cashbook.

Facility has been made for those reports and queries which are not available in IPAS by SRITC taking data from IPAS and storing it in a database created for this purpose and generate reports as and when requested.

Station Master available in this office is being updated regularly as requested. PMR data (HQRS, PER & MAS division) entered in IPAS is ported into AFRES.

Reports are customized to enable the respective divisions to process Cash book every day in Pay module. Monthly MCR data are given to Books Section from IPAS in excel format.

POS data from TPJ, TVC, PGT division are taken and inserted into HQ AFRES tables for taking various monthly reports.

8. Budget :

Facility has been made for those reports and queries which are not available in IPAS by SRITC Staff, by taking data from IPAS and storing it in a database created for this purpose and generate reports as and when requested by the user.

Web portal has been developed for budget section usage facilitating to view variance analysis of budget estimate, budget proportion and actuals.

Browser based application has been developed for the use of Cash authorization in budget section, which facilitates Units to enter monthly cash requirements and consolidation at HQ level for authorization from Railway board.

9. Operating Statistics System (OSS)

Maintenance of Engine Module. The data entered from GM/ST/MAS and GM/ST/TPJ are processed. After processing, the Statistical Office uses the data and takes various print-outs. New forms and reports are developed as per the Statistical Office requirements.

10. Fuel Module

Fuel Module was suitably modified as per the user's request. Fifteen Railway Consumer Depots (RCDs) are connected to the database maintained at SRITC and trouble shooting done as and when requested.

11. PRIME (Payroll and Related Independent Modules) :- (2019–2020) :-

Support is being provided to users to troubleshoot and fix issues with CRIS.

Generation of exception reports like as drawn particulars, HBA recovery, EE charges etc.

On request from other Departments (e.g. RPF), salary bills and IT projection statements are printed.

Implementation of Quarters and Electricity Module in IPAS for Southern Railway is under process

12. Workshop General Register (WGR) & Labour Summary :

- ❖ Updation of Concordance Master.
- ❖ Porting stores data given by the user.
- ❖ Porting Workshop Incentive Bonus Data and Labour Summary Data.
- ❖ Porting WGR supplementary data from ftp sites.
- ❖ Generation of Monthly Reports.

13. Labour Summary :

- ❖ Coordinating with users for data entry of tally sheets.
- ❖ Monthly updation of Average Hourly Rates.
- ❖ Periodical updation of ONCOST details.
- ❖ Generation of monthly reports

Users : EWS AJJ, S&T and PTJ

14. FAS – (Freight Accounting System) :-

Oracle based application software is being used for the processing of the following :

- ❖ FOIS data for every 10 days period regarding originating Goods traffic are given by Traffic Accounts Office in Text form. Necessary modifications, if any, given by Statistical Branch, are carried out and are used for Oracle processing.
- ❖ 7A reports are processed and generated for every 10 days, i.e. thrice in a month, for onward transmission to Railway Board through Statistical Branch. Similarly, for the consolidated monthly data, 7A reports are processed generated for onward transmission to Railway Board through Statistical Branch.
- ❖ Transfer of data as per Railway Board Schedule to Centralized Apportionment System done through Traffic Accounts. Transfer of Monthly summary and Cumulative summary data to Operating Department and Statistical Branch.
- ❖ Quarterly, Half-yearly statements and Annual statements are also generated.

- ❖ Ad-hoc Miscellaneous reports requirements from various users viz. CCM, FA&CAO/T, Sr. DCM of Divisions, Dy. COM and other users are also met with appropriately with reference to RTI queries, Parliament questions, Department decisions, Audit queries and Queries from Railway Board.
- ❖ Maintenance of legacy data pertaining to Goods Earnings and Traffic from the year 2009 till date.
- ❖ Other allied reports like Analysis, ST8, ST10, Originating statistics, Commodity wise statistics, Part-A statement for Single Account Current etc. are also generated.

15. Passenger section :

Passenger Accounting System (PAS) enables processing of PRS and UTS journey performed monthly data and generation of summary reports pertaining to originating passenger and earnings. It also enables to generate various periodical MIS reports i.e. Monthly/Quarterly/Half yearly/Annual based on the parameters like Railways wise, Division wise, Class Wise, Ticket Type Wise, distance Leg wise, etc. The stake holders of this application are Traffic Accounts, Statistical Branch, Commercial Operating Branches and also RTI activists with public traffic interest. Section also maintains Web portal for various data analysis with originating passenger data pertaining to financial years from 2009–10 onwards.

16. Database Administration :

Fifteen Database are maintained in Oracle 8i, which consist of AFRES & PRIME, POS Data Analysis and Reporting, FUEL Data Analysis and Reporting, Engine Statistics, Passenger Application System, Freight Accounting System, EMIS and IMMS.

Three AFRES Databases containing four modules (**Cash, Traffic Accounts, Budget & Remittance in Bank**) are yet to be migrated to IPAS. Prime Database is maintained for Query and Reports.

Database backups are taken every day at non-prime time and offline backup is taken once a week.

MYSQL Database is maintained for WEB Development & FTP Site to share information with Other IT Centres of Southern Railway.

Technical support is imparted to other departments of this Railway pertaining to configuration and troubleshooting of servers.

17. WEB Development :-

The pension scroll matching and POS details were done as web application using PHP Maker and MYSQL. Seperate web reports hosted in SRITC website. The details are as follows :

Pension : Data regarding revision of cases, received from all divisions are updated in the consolidated pension master. Revision of Pension/Family Pension has been facilitated in AFRES for pensioners drawing pension through Post Offices. Trouble shooting for all divisions for 6th and 7th pension revision done as and when requested.

POS : PRS and UTS Data extracted from CRIS site and compared with the bank scroll every month. Exception reports are given to Books for reconciliation.

18. Infrastructure Section :**A. During the year 2019–20 AMC's were entered into for**

- ✕ PCs and Printers for one year
- ✕ Power One 30KVA UPS for two years
- ✕ NUMERIC 30KVA UP for two years
- ✕ LIPI 6306 Line Printer for one year

B. Processed AMC quarterly bills in IPAS for

- (i) PCs & Printers,
- (ii) LIPI 6306
- (iii) LIPI 6215
- (iv) Power one 30KVA UPS
- (v) Numeric 30KVA UPS

C. Refund of Security deposit for AMC of

- (i) PCs and Printers,
- (ii) Numeric UPS through IPAS

D. Released Bank Guarantee

After expiry of 3 years warranty for Fujitsu Server

E. Procurement of Hardware, Software and consumables

- (i) HP i7 Desktop PCs – 3 Nos
- (ii) Printer Cartridges for HP LaserJet printers

19. Other Activities :

- ☐ Maintenance of Network and installation of oracle based applications which are managed by in-house team of this office. In house anchoring of antivirus software in server to facilitate security of client PCs.

6. Public Grievances Cell

1. All Public Grievances are investigated in detail by the Public Grievance 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 2019–20 as compared to those received during 2018–19 is given below :—

Sl. No.	Classification	OB	Number of Complaints					
			2017–18			2019–20		
			Received	Disposed	Balance	Received	Disposed	Balance
1	Behaviour of staff	0	821	821	0	989	989	0
2	Lack of amenities/ Unsatisfactory Maintenance of Amenities at Stations/ Trains.	0	5649	5649	0	14026	14026	0
3	Late running of trains	0	2722	2722	0	3359	3359	0
4	Coaching reservations and other than reservations	0	1324	1324	0	2339	2339	0
5	Catering Arrangements	0	250	250	0	889	889	0
6	Miscellaneous/ Suggestions	0	3409	3409	0	5477	5477	0

4. Details about the number of complaints received and dealt with in respect of major categories during 2020–21 as compared to those received during 2019–20 is given below :—

Sl. No.	Classification	OB	Number of Complaints					
			2019–20			2020–21		
			Received	Disposed	Balance	Received	Disposed	Balance
1	Behaviour of staff	0	989	989	0	211	211	0
2	Lack of amenities/ Unsatisfactory Maintenance of Amenities at Stations/ Trains.	0	14026	14026	0	4057	4057	0
3	Late running of trains	0	3359	3359	0	268	268	0
4	Coaching reservations and other than reservations	0	2339	2339	0	4230	4230	0
5	Catering Arrangements	0	889	889	0	172	172	0
6	Miscellaneous/ Suggestions	0	5477	5477	0	1062	1062	0

5. Number of complaints received, disposed of and pending during 2019–20 as compared to the previous year is as follows :—

Year	Opening Balance	Receipt	Total	Disposed	Pending
2018–19 ..	0	14175	14175	14175	0
2019–20 ..	0	27079	27079	27079	0
2020–21 ..	0	10000	10000	10000	0

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

8. RAILWAY USERS' COMMITTEE

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

The committee have representatives from members of 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 2018-19, this railway has conducted one ZRUCC meeting at Chennai on 30-10-2019.

During the year 2018-19, two meetings of DRUCC were held at Chennai, Two meeting at Tiruchchirappalli, One meeting at Madurai were held. Three meetings at Thiruvananthapuram and Two meeting at Salem were also conducted. No meeting has been conducted by Palakkad Division.

Divisions	No. of Meetings conducted during 2018-19
Chennai	2
Tiruchchirappalli	2
Madurai	1
Salem	2
Palakkad	Nil
Thiruvananthapuram	3

9. VIGILANCE ORGANIZATION

Vigilance Department has a tridimensional function namely Preventive, Investigative and Educative in the sphere of anti-corruption activities.

(I) PREVENTIVE VIGILANCE

General :

Preventive Vigilance aims at reducing occurrence of lapses/ misdemeanor prior to its occurrence. This is done by streamlining the system by identifying loopholes and conducting Preventive Checks.

Vigilance Department of Southern Railway conducts the following activities as a part of Preventive Vigilance:

- ☐ Preventive Check
- ☐ Surprise Check
- ☐ Thrust Area Check
- ☐ System Improvement

Preventive checks are conducted on sensitive areas which are susceptible to corruption. Every year, Railway Board identifies certain thrust areas to conduct preventive checks, which includes checks in mass contact areas like PRS, Booking Office and Trains, etc. Special Checks are conducted during important festival seasons and holidays in PRS and in Trains. Also, re-weighment of wagon & parcels are done regularly to detect leakage of revenue due to over-loading, which is having a safety angle as well. 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 vigilance checks are conducted to detect and plug any leakage of revenue. Apart from the above, vigilance conducts checks on other areas also wherever there is possibilities of committing frauds.

Preventive Checks conducted:

During the year 2019 - 2020, 2917 preventive checks were conducted by the Vigilance Organization even amidst covid-19 pandemic. Department-wise breakup of checks done is furnished below :

Department	No. of checks (in 2017-18)	No. of checks (in 2018-19)	No. of checks (in 2019-20)
Accounts	48	48	30
Civil Engineering	46	105	97
Electrical Engineering	42	67	64
Mechanical Engineering	51	68	80
Medical	46	34	26
Personnel	115	129	79
Security	6	40	29
Signal & Telecomm.	29	68	68
Stores	65	95	120
Commercial/Operating	2087	2536	2324
Others	1	3	0
Total =	2536	3193	2917

In order to augment the checks made in mass contact areas, the vigilance organization also conducts checks on tout activities. During the financial year 2019-20, a total of 607 vigilance checks had been conducted and 44 touts/ anti-social elements were apprehended and prosecuted. Tickets to the value of Rs.13,92,964/- were seized and an amount of Rs. 26,400/- had been realized as fine. In addition to this, 1231 vendors were apprehended as a result of checks on unauthorized vendors and a total of Rs.4,39,750/- had been realized as fine.

Year	Tout Checks		Checks on Unauthorized Vendors	
	No. of checks	Amount realized	No. of checks	Amount realized
2017-18	574	2.58	674	3.32
2018-19	594	10.82	1302	6.33
2019-20	607	14.19	1231	4.40

System Improvements suggested

Modifications in the system are suggested to make it more responsive, predictable and transparent.

Details	2017-18	2018-19	2019-20
No. of System Improvements suggested	30	19	23

Details of the System improvements suggested by Vigilance during the year 2019 -2020 are listed below.

Sl. No.	Department	Nature of System Improvement
1	Stores	Acceptance of material Pre-inspected by RITES/RDSO Details : The following system improvement was suggested to PCMM vide this office letter No. VO/PC/S/2018/12/02919 dated 17.04.2019 for implementation and to avoid possible mal practices. "All stores depot officers are advised to verify and confirm the receipt of inspected materials as per inspection certificate duly recording the hologram reference given in the inspection certificate in depot file so as to ensure that materials inspected by nominated inspection agency are received."
2	Stores	Handling Warranty claims of in service failures Details: The following system improvement was suggested to PCMM and other PHODs vide this office letter No.VO/PC/S/2015/03/0018/ W.P.TJ dated 28.02.2019 for early implementation. * Wherever warranty condition is applicable, a copy of PO should be provided to the Officer in charge of the shop concerned by the Associate Stores Depot Officer with a specific advice that the failure of materials while in service should be dealt with as per warranty terms specified in PO,duly following the procedures laid down in Board's letter no. 2000/RS(G)/379/2 dated 13.03.2009 and letter no. 2006/M(C)/137/20 Vol.I dated 21.04.2009. * Whenever material covering warranty as per PO is issued to the user, the Associate Stores depot should provide relevant PO details with a specific mention of applicability of warranty to the user to enable them to deal with warranty rejections as per Board's directives.
3	Mechanical	Written confirmation from accredited Inspecting/certifying agencies and incorporation in scope of work before issue of tender. Details : The following system improvement was advised to PCME/Souther Railway vide this office letter No. VO/M/2017/12/02836/ WGOC dated 07-05-2019. * "While preparing scope of work, which involves the outside agency as certifying body for the contract Work/activity/facility, necessary written confirmation from the concerned Authority of the agency should be obtained."

Sl. No.	Department	Nature of System Improvement
4	Signal & Telecomm.	Maintaining of AMC maintenance Record Register and AMC Equipment Spares Register Details : The following system improvement was advised to PCSTE/Southern Railway vide this office letter No. VO/PC/S&T/2019/01/ 0252/PGT dated 14-05-2019. (a) AMC Maintenance Record Register : (i) It shall contain the index of the all modules of the Equipment, with their ratings and Standard Values of the Inputs and Outputs, if applicable, and other relevant details such as Version, Make or OEM of equipment or module, if other than the main equipment. (ii) In case any module is not covered under the AMC, same shall be clearly indicated against that module in the index table. (iii) It shall contain the maintance records such as details of parameter standard values and values set/adjusted during the AMC, defects noticed and replacement done etc, if any, during the AMC maintenance, remarks of the AMC official in case of any significant deviation of the parameters from standard value for any of the module or components, followed by his signature of the railway official who accompanied and verified the parameters set adjusted by the AMC official, remarks and signature of the Railway Supervisor who verified the parameters set/adjusted by the AMC official. (b) AMC Equipment Spares Register : (i) It shall contain the details of spare and cards kept at the Equipment site with name of the spares, and wherever available, the Serial Nos., Make, Version, Mfg. Date, Supplied by the Railway or AMC Contractor as part of AMC contract. (ii) In case, spares are utiliaed or moved to any other site, it may be suitably recorded.
5	Security	Dope test to be introduced while conducting PET in RPF/RSPP selection. Details : * Dope test was suggested for those candidates who qualify in the Physical Efficiency Test (PET) for the Group 'A' post of Sub-Inspectors in RPF/SRPF to ensure fair and just recruitment vide this office letter No. VO/PC/A/2019/04/0069/HQ dated 13/18-06-2019 and has been agrees to by PCSC/MAS vide Letter No. X/P. 563/ SIPF/RECT/2019 dated 21-06-19.
6	Stores	Procurement of Import Items Details : In order to eliminate possible overcharging of prices by the importers and evasion of customs duty in connivance with overseas principals, following system correction has been advised to PCMM for implementation vide letter No. VO/PC/S/ 2018/05/02744/HQ dated 12-07-2019.

Sl. No.	Department	Nature of System Improvement
7	Stores	* To incorporate suitable condition as mandatory emphasizing submission of bill of entry etc by the suppliers along with imported items supplies in the 'Condition master' of IREPS portal (Mandatory field). This makes the tenderers to confirm the same while bidding itself, thus facilitating incorporation of these conditions in PO binding on all concerned for effective implementation. In corporation of PVC clause in Tender/ Purchase order Details : Following system improvement was suggested to PCMM for implementation vide letter No. VO/PC/S/2017/05/02685/TPJ dated 11-07-2019. * To incorporate suitable price variation clause (PVC) in all tenders/purchase orders of Stores headquarters, depots and divisions for copper cables and wherever applicable.
8	Commercial	Shroud Charges Details : Following system improvement was suggested to PCCM on 20.08.2019 for implementation. * During a preventive check at Dindugal (DG) station, it was detected that the shroud charges were given to an injured passenger, who died during his treatment at hospital. As per extant rules, payment of shrouds is authorized only for removal of dead bodies of victims during accidents from the station premises. The withdrawal is allowed on the actual expenses incurred, subject to a maximum of Rs.5000/-. Therefore, necessary vouchers have to be collected for the expenses made before making payment. A system improvement was suggested to for considering designing and issuing a standard format and the same to be submitted by GRP for claiming the shroud charges.
9	Signal & Telecomm.	Preventive maintenance under AMC Contract Details : The following System improvement was suggested in view of first visit of AMC to PCSTE/MAS vide Lr. No.VO/PC/S&T/2019/04/00543/PGT dt. 30.07.2019. * "If the periodicity of AMC preventive maintenance is 30 days (i.e. one month) or more the first preventive maintenance of the equipments by the AMC representative/engineer shall be carried out within one month from the date of issue of LOA. If periodicity of AMC preventive maintenance is less than 30 days (i.e. one month), the first preventive maintenance of the equipment by the AMC representative/engineer shall be carried out within first spell duration from the date of issue of LOA."

Sl. No.	Department	Nature of System Improvement
10	Stores & Electrical	* "In case of failure to compliance to the above regarding the first preventive maintenance, necessary penalty clause may also be clearly stated in the tender condition." Correct assessment of quantity of scrap disposal Details : In order to ensure correct assessment of quantity and smooth disposal of FBT in a transparent manner Vigilance has suggested the following system improvement to Sr.DEE/RS/ED with a copy to PCMM/MAS and PCEE/MAS vide letter No.VO/ PC/S/2018/03/02616/GBT dt. 13.08.2019. * All types of turnings and borings may be weighed before evaluation and formation as scrap lot and DS-8 voucher placed for actual quantity instead of quantity assessed on approximation.
11	Personnel	Stopping process of salary bill on death Details : The following system improvement was advised to PCPO/MAS vide letter No.VO/PC/A/2019/05/02722 dt. 16.08.19 and was implemented vide PBC No: 196/2019 issued on 12-09-2019. "If any incidence of death of an employee occurs which involves ramification on pay, it must immediately be passed on to the concerned Cadre/Bill Clerks, Ch.OS in charge by the staff who paid the funeral advance etc. with clear acknowledgement to stop processing of salary bill and other payments."
12	Signal & Telecomm.	Tracking of High value T&P items using Login Based Application/ mechanism Details : The following system improvement was advised to PCSTE/MAS vide letter No. VO/PC/S&T/2019/02/01884/PGT dt. 10.10.2019 and was implemented on 28.11.2019. * A login based application/mechanism may be developed in the suggested format or better format and introduced to record the transfer/transaction and hence enable tracking of high value T&P items such as Data-Analyzers, Cable fault locators, Cable Route Locators, Fluke Meters, Splicers, OTDR, Local Crafts, portable Maintenance terminals etc. so as to enable to trace immediately these items as and when required. It shall be possible to generate a report regarding the transfer history of an item or a summary of current location of all items.

Sl. No.	Department	Nature of System Improvement
13	Signal & Telecomm.	* As an immediate measures, a register may immediately be opened at all depots regarding "Issue/Receipt of High value T&P items" and issue and receipt of all such high value T&P items should invariably be recorded with the equipment Name, Serial Nos., Make, Mfg Date if available, Date of Receipt, Received From, Signature of Depot official or Receiving official, Remarks if any, Date of Issue, Issued to, Signature of the official to whom has it been issued. Remarks if any, etc. Sample Testing of materials supplied against S&T Works. Details : The following system improvement was advised to PCSTE/MAS vide letter No. VO/PC/S&T/2018/04/02160/MAS dt.22.10.2019 and was implemented on 04.12.2019. * An approved standard format for Consignee Inspection certificate for RCC Cable route marker may be prepared and adopted immediately in accordance with the System Improvement implemented recently vide PCSTE/MAS letter No.SG/Vig. Dt.01.11.2018. * Following provisions may be implemented and also be incorporated in all future tenders: "Wherever items such as RCC Cable route marker, concrete or metallic or reinforced plastic or composite materials. etc. in which there are such hidden parts which are vital/essential to ensure good quality or strength of materials , are to be supplied in bulk quantity, and acceptance of such items shall be subject to consignee inspection, same shall be inspected by the nominated consignee/ Railway Supervisor/Railway Engineer through destructive test or any other appropriate method or as advised by the original manufacturer or competent agency or authority, and the findings of the destructive test shall be recorded in the Consignee Inspection Certificate. Selection of the sample shall be random from the lot supplied by the Contractor. There shall be no payment against the samples tested during the above Consignee Inspection."
14	Signal & Telecomm.	Issuing of Challan for the materials in S&T Works. Details : The following system improvement was advised to PCSTE/MAS vide letter No. VO/PC/S&T/2018/07/02226/MAS dt. 23.10.2019 and was implemented on 29.11.2019.
15	Signal & Telecomm.	Reporting of unauthorized long Absentees Details : The following system improvement was advised to PCSTE/MAS vide letter No. VO/S&T/2018/12/0307/MDU dt.21.10.2019 and was implemented on 05.11.2019.

Sl. No.	Department	Nature of System Improvement
16	Signal & Telecomm.	* A list in the form of "Unauthorised Long Absentees Report" may be submitted by all the offices/units along with the monthly muster role position. * In this connection, if any employee continues to be absent in unauthorized manner for more than 30 days from his 1st day of absence, he or she may be certainly listed in the above "Unauthorised Long absentees Report" as long as he or she is part of his office/ unit, i.e. along with every month's muster roll position submitted until the employee returns or is removed or transferred from that unit. * However, if an employee is absent for less than 30-days, then Supervisor or OS/Chief OS may decide on his own to place him or her in the above "Unauthorised Long absentees Report". * In this regard, it is clarified that an employee, who proceeded on a sanctioned Leave and subsequently gone absent, his or her absenteeism shall be counted from the date of expiry of his leave. If sanction period of leave extended, then his or her absenteeism shall be counted from the date of expiry of his extended leave. Centralized Computer Served Based Inventory Management System for updation of material transactions Details : The following system improvement was advised to PCSTE/MAS on 21.11.2019. * Necessary action may be taken to develop and introduce Centralized Computer Served Based Inventory Management System. All the depots shall be connected by providing necessary access credentials, i.e. Username & passwords, to update their incoming and outgoing material transactions. * The above said computer server based inventory management system may be designed in such a manner that it shall have at least following features: (i) It shall be possible to add the quantity of the materials received from supply against any PO or works contract. In this regard, a system of unique Alphanumeric- code/ Bar-code/QR code for each item of different specifications may be adopted. (ii) It shall be possible to Search, View & Print the stock position of the depot materials with their specification and ratings at the field supervisor levels, divisional or controlling officer level and upto HQ level. However, editing of the quantity may be restricted to competent authority level only or under the approval of competent authority. (iii) It shall be possible to monitor the availability of the materials on real-time basis by the concerned depot in-charge and controlling official.

Sl. No.	Department	Nature of System Improvement
17	Mechanical	(iv) It shall be possible to generate reports against any/all materials in stock which have exceeded or are likely to exceed their codal-life or shelf-life at any depot.
		(v) It shall be possible to generate exception reports to find out excess/surplus quantity of materials at any depot/division based on the consumption pattern during the preceding 2 years so as to enable suitable administrative action to redistribute or dispose-off obsolete items, if any.
		(vi) It shall be possible to generate the critical stock position of materials based on their consumption pattern in the preceding 2 years so as to enable planning to process for additional procurement.
		(vii) It shall be possible to check the availability of the current stocks of the material, predict the future requirements based on preceding 2-3 years consumption pattern.
18	Mechanical	(viii) Any other feature which may help to ensure proper management of materials stocks at depots and enabling monitoring at various levels.
		Acceptance of materials on WTC Details : The following system improvement was advised to PCME/ Southern Railway vide letter No. VO/S/2019/07/02374 dated 02.01.2020 21.11.2019. Investigation on a preventive check conducted with regard to procurement of Secondary spring for Generator Car at Sr.DMM/O/SA against tender No.97195342 opened on 09.07.2019 finalised by Sr.DMM/SA has revealed that Inspection of material and acceptance was done by Consignee on firm's WTC & GC (Value of the tender is more than Rs.5.00 lakhs) as RITES declined to inspect the material since not authorized by RDSO. RDSO vide letter No.QA (M)/Insp/Policy dated 30.11.2018 have changed the scheme of inspection proposing 30 items for acceptance by Consignee on WTC. But the subject item was not figuring in the list. It is evident that RDSO's instruction is not followed scrupulously. Hence it was suggested to : * introduce necessary system so as to ensure implementation of RDSO guidelines on acceptance of materials on WTC, by all the Units as items are vital for safe and smooth train operation.
		Declaration of personal cash by OBHS Contract Supervisor/Staff Details : The following system improvement was advised to PCME/Southern Railway vide letter VO/PC/M/2018/12/02422 dated 24.12.2019.

Sl. No.	Department	Nature of System Improvement
19	Electrical	* "The OBHS Contract Supervisor/Staff shall declare the individual cash in denomination, in which one copy of PCD form shall be kept with Railway Supervisor at starting station of train service and another copy shall be retained by the concerned OBHS Supervisor during his OBHS duty. This shall be implemented in the currently running contract". EE Billing Software Details : Advised PCEE on 13.01.2020 to ensure that
		* an effective and transparent EE Billing system is adopted duly leveraging on Technology to efficiently monitor the details of energy consumption, bills generated, payments made and dues by outsiders/stalls/Quasi Government bodies.
		Promotion from Sr. Technician to JE in Rolling Stock : Details : In connection with training to be imparted for the Sr. Technicians getting promoted as JEs under PRQ, PCEE was advised on 06.01.2020 to
		* issue necessary guidelines and schedules and advise all concerned to adhere to the instructions on imparting training to JEs getting promoted on PRQ (i.e. MCMs to JEs).
20	Electrical	Disposal of Ferrous and non-ferrous items : Details : A system improvement was suggested to CEDE on 14.01.2020 to
		* streamline the method of disposal of ferrous and non-ferrous materials and fittings with proper unit of accountal in Electrical TRD OHE maintenance Depots
		Uniform Schedule for Running room Contracts : Details : In connection with Contracts for Running Room, a System improvement was suggested to CELE on 28.01.2020 that
		* a Uniform schedule may be devised at Zonal Headquarters level as onetime exercise and same may be adopted uniformly all over the Zone to achieve uniformity in the Contracts.
22	Electrical	Warranty Rejections and Claims there on It is considered imperatively necessary that provisions in iMMS be made covering all the modalities prescribed in Board's letter, details of warranty, issue of warranty rejection advice and accountal of warranty replacement supply which will facilitate integration of date for effective implementation. Based on the above vigilance has suggested following system improvement
23	Electrical	
24	Stores, Mechanical,	

Sl. No.	Department	Nature of System Improvement
		* PCMM vide letter No.VO/PC/S/2019/08/01937/TVC dated 03.02.2020 was advised to approach CRIS for developing suitable "Warranty Management Module" in iMMS and to incorporate guidelines as per the Railway Board directives in the terms and conditions of all Tenders and also to refer these conditions as special conditions in all POs, where Warranty is applicable. * PCME, PCSTE and PCEE vide letter No. VO/PC/S/2019/08/01937/TVC dated 20.02.2020 were advised to incorporate Requisite warranty period for all Stock items where warranty is applicable in the nomenclature description. PCMM vide letter No. VO/PC/S/2019/08/01937/TVC dated 20.02.2020 was advised to incorporate warranty period as available in nomenclature description in Tenders and Purchase orders. * Railway Board vide letter No. VO/PC/S/2019/08/01937/ TVC dated 03.02.2020 has also been requested to kindly refer the matter to CRIS to develop suitable "Warranty Management Module".

(II) INVESTIGATIVE VIGILANCE

Investigative vigilance normally occurs after identifying the occurrence of lapse/ misdemeanor. The Investigative Vigilance activity gives closer understanding of the modus operandi of bypassing rules, identifying illegal gratification and system disruption, if any. Investigative Vigilance highlights malafide intent and often results in corrective and punitive action against the concerned official. The Investigative Vigilance is done in three stages as follows:

1. Collection of information
2. Investigation of the Complaint/ information received
3. Follow up action on the investigation

► Collection of information

- * Help line Services
- * Detailed investigations are undertaken in all cases of genuine complaints, which are having vigilance angle. The complaints from President's Office & PMO references, CA-iii references, CVC's references are dealt on priority.

► Investigation of the Complaint

During the year 2019–20, 109 complaints were taken up for investigation and 110 complaints have been investigated which resulted into 22 cases of DAR (14 major penalty DAR & 8-minor penalty DAR) action against non-Gazetted employees.

The year-wise details of complaints investigated and results thereof are as follows :

Details	2017-18	2018-19	2019-20
No. of complaints taken-up for investigation	176	109	109
No. of complaints investigated	119	138	110
Major penalty Gaz	2	0	0
proceedings Non Gaz initiated	16	12	14
Total =	18	12	14
Minor penalty Gaz	4	1	0
proceedings Non Gaz initiated	16	22	8
Total =	20	23	8

► Punitive Action taken

The Inquiry Organization functioning under SDGM & CVO has completed 72 departmental Inquiries during the year 2019 – 2020 and Inquiry Reports were sent to the concerned disciplinary authorities for necessary DAR action. Vigilance also monitors the DAR cases arising out of vigilance / SPE investigation for finalization within timelines. No. of officials punished as a result of Vigilance DAR proceeding are as follows :

	Details	2017-18	2018-19	2019-20
Gaz.	Major	9	6	7
	Minor	5	3	1
	Total	14	9	8
Non-Gaz	Major	81	73	107
	Minor	545	412	393
	Total	626	485	500

► Earning Accrued due to Vigilance actions

Earnings accrued to Railway through vigilance checks during the year 2019-20 was **Rs.3,78,62,036/-**. The break-up of the earnings in various years are as follows:

Sl. No.	Details of earnings	Amount (in Rs.)		
		2017-18	2018-19	2019-20
1	Earnings from without ticket passengers	6,47,810	3,46,345	5,720
2	Earnings from Transfer of Tickets	1,480	8,045	8,765
3	Earnings from un-booked luggage/ parcels	246	-	-
4	Earnings from undercharges realized	1,12,61,709	79,11,377	95,23,264
5	Earnings from excess/ shortfall in Govt. cash	1,43,722	1,20,365	59,009
6	Other traffic recoveries	19,07,695	15,87,303	27,03,901
7	Leave Account / Establishment matter	12,31,595	26,90,446	1,02,08,320
8	Stores related recovery	3162	-	1,34,28,005
9	Technical recoveries	45,46,039	74,57,160	18,52,152
10	Amount realized as fine by Court of Law	1,31,300	1,64,300	72,900
Total =		1,98,74,758	2,02,85,341	3,78,62,036

(III) EDUCATIVE VIGILANCE

This is the most effective long-term solution for prevention of corruption. Educative Vigilance aims on spreading awareness not only among the employees but also customers and beneficiaries of the services rendered.

Educative Vigilance is done in 3 dimensions:

1. Educating the employees about the rules and regulations and prescribed procedure and supporting them by giving clarification whenever required and updating them on the system improvement.

2. Educating the process and system available for redressal of grievances.
3. Creating awareness among the beneficiaries about the rules and system in place. During seminars and workshops, case studies and recent findings of vigilance are also discussed so as to train them to be effective in discharge of their duties.

➤ **Details of the Vigilance Awareness Activities**

Details of the seminars and workshops conducted in various years are as under :

Details	2017-18	2018-19	2019-20
No. of Seminars & Workshops	36	112	154

Break-up wise details of the Vigilance-Awareness Programmes conducted during the year 2019-20 are as follows :

Department	Conducted by VOs	Conducted by CVIs	Total
Accounts, Personnel &	3	18	21
Medical			
Electrical	-	10	10
Engineering	1	9	10
Mechanical	-	8	8
Signal & Telecomm.	2	10	12
Stores	21	35	56
Traffic	7	23	30
All departments	3	-	3
Others	4	-	4
Total	41	113	154

➤ **In-house Training of Vigilance Officials**

In order to enhance the knowledge of CVIs regarding preparation of questionnaires and framing of draft charge sheets and also to improve the competency of CVIs as Presenting Officers, four In-House workshops were conducted. All VOs attended the workshops.

A Quiz on Vigilance Manual 2018 was conducted for all 50 staff of Vigilance Department including Inquiry officials in which top 5 Teams were rewarded Prizes. The objective of the Quiz was to make the Vigilance Officials acquainted with the Vigilance Manual, which is the basic document for decision making. Performance of the staff was found to be very good and encouraging. All Vigilance Officers had actively participated in organizing the quiz programme. This is a novel initiative mooted by Team Vigilance/Southern Railway for improving the knowledge level of all Vigilance Officers/Officials.

➤ **Observation of Vigilance Awareness Week 2019**

- * Vigilance Awareness Week was observed in Southern Railway from 28th Oct 2019 to 2nd Nov 2019.

- * It was inaugurated by administering 'Integrity pledge' by Shri. John Thomas, General Manager, Southern Railway. Smt. V.G.Bhooma, SDGM & CVO delivered Welcome address. Shri. Santhanam, IAS (Retd.) was the Chief Guest and delivered the key note address on the theme "Integrity - A way of Life".
- * SDGM along with all Vigilance officers & Inspectors conducted Workshop on Vigilance Awareness in all six divisions.
- * As an innovative step, CVIs of all stream of Vigilance conducted Awareness Seminars in their respective fields highlighting important aspects to be kept in mind while decision making. This effectively spread awareness even up to the field level employees.
- * A Grievance Redressal Camp was conducted at MAQ for employees. "Do's and Don'ts" covering all areas of Southern Railway and 2000 Pamphlets/ Booklet were distributed to all Offices and Field Units.
- * Two short films "Edam Mari Pochu" and "Mullum Malarum" to convey the message "As you Sow, So Shall You Reap" were made by Southern Railway Vigilance and screened to more than 2700 employees during seminar and also uploaded on Youtube, which was widely appreciated and well acknowledged by all.
- * Various activities such as Seminars, Skits, Elocution, Essay-Writing competitions, Quiz and Debate competitions were conducted in 30 schools and 4 colleges over Southern Railway jurisdiction.
- * Run for Unity/ Walkathon was organized by HQ, TPJ and SA division. Officers and staff participated.

➤ **Vigilance Publications during 2019 – 2020**

A special Vigilance Bulletin called "Integrity Bulletin-2020" was published during vigilance awareness week, which contained articles from Officers & Inspectors of Vigilance department, as well from the employees of open-line.

IV. INTRODUCTION OF ONLINE VIGILANCE CLEARANCE

In order to facilitate expeditious disposal of correspondences seeking SPE/Vigilance status, a Railnet based Web application called OVS (acronym for Online Vigilance System) has been developed in-house by Shri Prem Chandra Harijan, Dy.CVO/S&T/MS under the guidance of SDGM&CVO/S.Rly. and same has been introduced all over Southern Railway. Hands-on Training have also been imparted to all the concerned officials of all Divisions, Workshops, Construction Units. With the introduction of this system, now physical submission of applications for SPE/Vigilance status has been dispensed with. This has also reduced the overall time in requisition and issuance of SPE/Vigilance Status, i.e. Vigilance clearance, in favor of employees.

The OVS has been found highly useful during the lockdown on account of COVID-19 pandemic. During the year 2019-20, a total of 5500 applications have been processed and hence SPE/Vigilance status were issued for 16,595 officials through the OVS module.

10. GENERAL MANAGER'S ANNUAL INSPECTION DIVISION WISE 2019-2020

2019-20	Date	24-01-2020	28-01-2020	13-12-2019	22-11-2019	27-11-2019	20-12-2019
	Section	JTJ-AJJ	SA-KRR-DG	POY-PGT-SRR-NIL	TVC-CAPE-NCJ-TEN	VPT-SCT	TPJ-VRI
	Km	156.2	155.1	168.16	157.13	129.99	123.29

II. राजभाषा में प्रगति/PROGRESS OF HINDI

1. ORGANISATION

A Separate Hindi Organisation is functioning under the control of Mukhya Rajbhasha Adhikari. He is assisted by DGM/OL, Sr.Rajbhasha Adhikari, Rajbhasha Adhikaris, and other staff of Hindi Organisation posted in various units of Southern Railway.

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 2019-2020 a total of 1077 employees have been trained in Hindi under various training programmes.

3. CONVERSATIONAL TRAINING

Hindi conversational training is being imparted to frontline staff who come in contact with the public. During the year 2019-2020, 148 employees have been trained in Hindi Conversation Course.

4. HINDI TYPEWRITING 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. 186 employees have been trained during the year 2019-2020 in Hindi Keyboard and they are typing in Hindi also.

5. HINDI WORKSHOP

During the year 2019-2020, 92 Hindi Workshops were conducted all over S.Rly and 1813 Officers/ Employees were trained in the workshop.

6. COMPUTERISATION IN HINDI

There are 3716 Computers in Southern Railway and all of them have bilingual facility. The home page of Southern Railway website www.sr.indianrailways.gov.in has been made bilingual. A separate page called HINDI is opened in the home page in Intranet (Railnet). In this, activities related to Rajbhasha Department are uploaded from time to time. Incentive schemes, Railway board's letters on OL Policy, softwares and Unicode fonts to enable working in bilingual etc. are uploaded in this web page from time to time. Details like names of fruits, vegetables, Parts of the body, directions etc., have been made available in trilingual under the caption "LEARN HINDI".

Apart from this, during the current year, contents of about 75 Boards, which are normally displayed at stations, have been translated into trilingual format i.e., in Tamil, Hindi and English and uploaded in PDF form in the Web page so that the same could be made use of while preparing such Boards.

Similarly, during this year, the list of Division wise station names have also been uploaded in tri-lingual form in the web page so that while painting the station name boards, spelling mistakes could be avoided.

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% 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

To review the progress of Hindi at different levels, 83 Official Language Implementation Committees (OLICs) 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. The First, Second and Third prizes for the Rajbhasha shield for the year under review were awarded to Operating Branch, Stores Branch and Accounts Branch respectively.

10. USE OF HINDI IN PUBLIC ADDRESS SYSTEMS

At major stations trilingual announcements are made in Tamil, Hindi & English languages through Computerised digital announcement system.

11. INSPECTIONS DONE BY OFFICERS

During the ZOLIC/OLIC meetings, officers are requested to inspect implementation of Hindi aspects 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 3556 inspections on OL aspect have also been included.

12. ORIGINAL WORK IN HINDI

➤ Noting in Hindi

During the year 2019-20, out of 128281 notings, 46087 notings were written in Hindi/Bilingual form in Hqrs office, Divisions & Workshops.

➤ ENTRIES IN REGISTERS/DIARIES

During the year 2019-20, out of 25694 Registers/Diaries, entries in 16744 Registers/Diaries were made in Hindi-English mixed language. All efforts are being made to make entries in remaining registers/diaries in bilingual form. Similarly, out of 90686 Service Registers, bilingual entries were made in 80240 Service Registers.

13. USE OF RAILNET

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

14. USAGE OF TEMPLATES

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

15. HINDI MAGAZINE

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

16. SEMINARS IN HINDI

During the year 2019-20 seminars on various subjects in Hindi were conducted periodically by Hqrs, Divisions & Workshops of S.Rly. During the year under review 44 seminars were conducted.

17. HELP LITERATURES

During the year 2019-20, Help-literatures in Hindi on various subjects were printed & distributed in Hqrs. Office, Divisions & Workshops of Southern Railway.

18. HINDI LIBRARY

To increase the Hindi knowledge of officers and employees, 64 Hindi Libraries are functioning in this Railway. A total number of 32 Hindi Titles were purchased during the year under review for Headquarters. Moreover, with a view to increase the propagation and utilization of the Hindi books, available in the Hindi Libraries, a written competition based on the life and works of the great Hindi litterateur Munshi Premchand was conducted followed by a quiz competition on a film screened based on his famous story "Namak ka daroga". In this competition 24 Officers / Employees participated.

19. HINDI WEEK CELEBRATION

As every year, during the year under review, various competitions were conducted to increase interest in employees towards Hindi and to increase the usage of Hindi in Official work. During the year 2019, Hindi Essay, Elocution, Noting & Drafting, Hindi Typing, Singing, Memory competition, Hindi Conversation and written competition on the Hindi Litterateur Munshi Premchand and a quiz competition on a film screened based on his famous story "Namak ka daroga" were conducted wherein 140 Officers/ Employees participated with great interest.

Brief regarding activities of Town Official Language Implementation Committee(O)/ Chennai

The Town Official Language Implementation Committee has been constituted with the objective of promoting the Official language in the Central Government Offices located in Chennai. The responsibility of the Town Official Language Implementation Committee (Offices), Chennai was entrusted by the Ministry of Home Affairs to Southern Railway in the year 1992 and the General Manager, Southern Railway was made the Chairman of the committee. Presently the Chairman of the Town Official Language Implementation Committee (O) Chennai is Sri John Thomas, General Manager, Southern Railway and Dr. Dinanath Singh, Deputy General Manager, Official Language is the Member-Secretary of the Committee. All Central Government Offices and Autonomous Organizations located in Chennai are members of TOLIC(O)/Chennai. The total member-offices of this committee are 175. Two meetings of this committee are held during the year and are attended by the Head of Offices of the member offices. Apart from this, many competitions, seminars, KaviSammelan etc. are organized throughout the year to promote the Rajbhasha among the officers and employees of the member-offices.

Activities of Town Official Language Implementation Committee, Offices, Chennai during the year 2019-2020

- Anthyakshari competition was organised in the movie theatre of Integral Coach Factory on 10.05.2019. In this competition 33 teams from member-offices participated.
- TOLIC meeting was organized on 17.05.2019 at Integral Coach Factory. In this meeting, high officials and representatives of 87 member offices participated. E-magazine Swarnadeepika was released.
- 16 participants participated in the Debate competition held at SERC on 23.07.2019.
- 16 participants participated in the Book Review competition held at STPI on 29.07.2019.
- 14 employees participated in the Elocution competition held at ESIC on 21.08.2019.
- 44 participants participated in the Word-power competition held at CLRI on 26.08.2019.
- On 04.09.2019, 20 participants participated in the Elocution competition organized in the Directorate of Census Affairs.
- On 29.08.2019, 23 and 18 participants respectively participated in the Essay competition and Noting and Drafting competition held at Southern Railway office.
- Meeting of sub-committee was held on 28.11.2018.
- TOLIC meeting and Joint Rajbhasha Celebrations were organized in NIOT on 22.10.2019. 102 member offices are participated in it. In this meeting, the committee's magazine Pallavika was released. Prizes were given to the prize winners of the competitions held in the month of August 2019
- Shields were distributed to the member-offices who did excellent work in the TOLIC meeting held on 22.10.2019. Reports were received from a total of 90 member-offices for evaluation. Shields were awarded to 26 offices after making a comprehensive assessment on several of these parameters. The exhibition was organized by the Member-Offices who secured First prize. Apart from this, 40 mementos were also given to the members of the sub-committee and the offices which made special contribution in the activities of TOLIC.
- From 27.10.2019 to 01.11.2019 a training program on "Use of Rajbhasha Tools on Computer" was organized in the Ordnance Factories Training Institute, Avadi for Hindi officers and translators of the member-offices using official language tools on computer. 27 participants benefited from this training.
- During the inspection program of Parliamentary Official Language Committee held in Chennai on 16-01-2020, Convener Prof. Rita Bahuguna released the table calendar of the year 2020 of TOLIC.
- 75 participants from member-offices participated in the technical seminar on "JeevanShaili aur samanya Swasthya" held on 20.02.2020. On this occasion, a help-literature "Ayurveda for long life – Ayurveda for physical health" was released.

III. वित्तीय परिणाम/FINANCIAL RESULTS

Financial Results

Statement Financial Results to Government Railways for the year 2019-20.

(Figures in thousands of Rs.)

Sl. No.	Particulars		Amount
1.	Gross Earnings	..	81890179
2.	Ordinary Working Expenses (excluding suspense)	..	104463253
3.	Appropriation to DRF	..	260000
4.	Appropriation to Pension Fund	..	15227000
5.	Total working expenses	..	119950253
6.	Payment to worked lines	..	0
7.	Total Gross expenditure	..	119950253
8.	Net Traffic Receipts	..	-38060074
9.	Percentage of Ordinary Working Expenses and appropriation to D.R.F. and Pension Fund on Gross Earnings. (Operation Ratio)	146.48 %	..
10.	Net Miscellaneous Receipts	..	299533
11.	Net Revenue Receipts	..	-37760541
12.	Percentage of Net Revenue Receipts on the Capital-at-Charge	-20.21%	..
13.	Payment to General Revenue Dividend	..	0
14.	Net Loss	..	37760541
15.	Percentage of Loss on Capital-at-Charge	20.21%	..

Capital-at-Charge, Revenue Earnings and Expenses for the Year 2019-20

Revised as per Supplementary 2 March 2021

Statement No. 5

1.	Railway	Southern	
2.	Gauge	(B.G.+M.G.+N.G.)	(*As per Supplementary 3) March 20
3.	Year :		2019-20
4.	Capital-at-Charge		186968640
5.	Gross Earnings		81890179
6.	Working Expenses : (Excl. Suspense and including Appn. to DRF & Pension Fund)		119935542
7.	Net Earnings (Col. 5-Col. 6)		-38045363
8.	Percentage of working expenses to Gross Earnings.		146.46%
9.	Percentage of Net Earnings to Total Capital-at-Charge. (Col. 7x100/Col. 4)		-20.35%

2. Traffic receipts

The details of Revenue Receipts for 2018-19 and 2019-20.

(Figures in lakhs of ₹)				
Heads of Traffic	2018-19	2019-20	Variation	% Variation
Passenger	448249	458677	10428	2.3%
Other Coaching	44693	45915	1222	2.7%
Goods	312501	275538	-36963	-11.8%
Sundry	40968	38771	-2197	-5.4%
Total	846412	818902	27510	-3.3%
Traffic Account	-1320	878	2199	166.5%
Demands Recoverable	441	-1078	-1519	-344.1%
Goods Traffic Receipts	845533	818702	-26830	-3.2%

(d) Sundry - Revenue for 2019-20 with 2018-19

(Rs. in lakhs)				
Particulars	2018-19	2019-20	Variation	% Variation
Right of way/way leave for others and Right of way (OFC and other purpose)	2,550	6,844	4,294	168.4%
Land Lease	6,771	4,205	-2,566	37.9%
Car/Scooter Parking station	4,173	3,771	-402	-9.6%
Advertisement and Publicity.	1,968	1,936	-32	-1.6%
Sale of damage goods unserviceable revenue Scrap.	2,443	2,059	-384	-15.7%
Receipts from Catering Department	6,000	5,748	-252	-4.2%
Interest and maintenance charge.	1,028	6	-1,022	-99.4
Other Sundry Earnings	16,035	14,202	-1,833	-11.4%
Total	40,968	38,771	-2,197	5.4%

3. Coaching Earnings**(a) Passenger Earning under important Heads During 2018-2019 compared with 2019-2020**

Particulars	Traffic		Earnings		Difference		Percentage of Variation	
	2018-2019		2019-2020					
	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	395	3,638	483	3,436	87	-202	22.1	-5.5
Air-conditioned 2-Tier	4,744	32,977	4,700	31,880	-44	-1096	-0.9	-3.3
Air-conditioned 3-Tier	15,693	87,015	16,768	90,492	1075	3477	6.9	4.0
A. C. Chair Car ..	4,341	18,726	5,306	22,446	965	3720	22.2	19.9
First Class—								
(a) Mail/Express ..	..	..	..	..	..	..	..	..
(b) Ordinary ..	568	365	619	381	51	16	8.9	4.4
Total ..	568	365	619	381	51	16	8.9	4.4
Second Class Sleeper—								
(a) Mail/Express ..	96,061	1,46,021	65,981	1,44,807	-30080	-1214	-31.3	-0.8
(b) Ordinary ..	806	865	379	837	-427	-28	-53.0	-3.3
Second Class Ordinary—								
(a) Mail/Express ..	1,29,468	1,11,285	1,38,186	1,18,259	8698	6974	6.7	6.3
(b) Ordinary ..	2,40,161	26,937	2,96,616	26,006	-10545	-930	-4.4	-3.5
Total Non-Suburban ..	4,92,257	4,27,829	4,62,036	4,38,545	-30221	10716	6.1	2.5
B. Suburban								
First Class (Ordinary)	113	113	116	118	3	5	3.0	4.7
First Class (Season)	12,542	1,377	12,027	1,563	-514	185	-4.1	13.5
Second Class (Ordinary)	1,92,204	13,325	1,78,469	12,718	-17,734	-607	-7.2	-4.6
Second Class (Season)	2,05,637	5,605	1,93,037	5,734	-12,600	129	-6.1	2.3
Total Suburban	4,10,495	20,420	3,83,650	20,132	-26,845	-288	-6.5	-1.4
Grand Total	9,02,752	4,48,249	8,45,686	4,58,677	-57,067	10,428	-6.3	2.3

Note : Non-sub 1st class & 11nd class season includes in 1st & 11nd class ordinary.

(b) Goods Revenue under important Heads during 2019-20 with 2018-19

Sl. No.	Particulars	Tonnes carried in millions		Revenue ₹ in lakhs	
		2018-19	2019-20	2018-19	2019-20
A. Revenue Earnings Traffic:—					
1.	Products of Agriculture..	9.474	9.070	48462	44572
2.	Animals & Products of Animals.	0.000	0	0	0
3.	Products of Mines ..	25.272	20.760	130944	117764
4.	Mineral Oil ..	4.430	4.910	27780	27969
5.	Products of Forests ..	0.188	0.071	919	317
6.	Manufactures ..	11.841	10.681	54656	47124
7.	Miscellaneous ..	8.477	8.881	38123	37483
8.	Total Revenue traffic..	59.682	54.373	312169	275230
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 ..	0.221	0.212	332	308
(b)	For other Govt Rlys., etc.	0.000	0.00	0.00	0
11.	Total Non-Revenue ..	0.221	0.212	332	308
12.	Grand Total Revenue and Non-Revenue	59.903	54.585	31250	275538

(c) Other Coaching Revenue Under Important Heads Duringfor for 2019-20 with 2018-19

Sl. No.	Particulars	(Rs. in lakhs)		
		2018-19	2019-20	Variation
1.	Special Trains and Reserved carriages (Publics) ..	1,246	2,836	1,590
2.	Special Trains and Reserved carriages (Military) ..	2,085	1,027	-1,058
3.	Luggage Collected at stations ..	448	8,78	430
4.	Luggage Collected by Spl. Ticket Checking Staff	224	315	71
5.	Public Parcels ..	13,420	11,244	-2,176
6.	Transport of Mails ..	2,409	2,299	-110
7.	Service Parcels ..	0	0	0
8.	Miscellaneous ..	24,841	27,316	2,475
	Total	44,693	45,915	1,222
	Less Refunds ..	0	0	0
	Net Other Coaching Revenue	44,693	45,915	1,222
	Total Coaching Earnings	4,92,942	5,04,593	1,1651

4. (a) Passenger Revenue Under Heads During 2019-20 with 2018-19								
No. of Passenger Carried					Revenue from Passenger Carried			
Particulars	2018-19	2019-20	Variation	% Variation	2018-19	2019-20	Variation	% Variation
Suburban					Suburban			
Season					Season			
Season-I	12542	12027	-514	-4.1% ▼	1377	1563	185	13.5% ▲
Season-II	205637	193037	-12600	-6.1% ▼	5605	5734	129	2.3% ▲
Total	218179	205064	-13115	-6.0% ▼	6982	7296	314	4.5% ▲
Non-Season					Non-Season			
Season-I	113	116	3	3.0% ▼	113	118	5	4.7% ▲
Season-II	192204	178469	-13734	-7.1% ▼	13325	12718	-607	4.6% ▲
Total	192316	178586	-13731	-7.1% ▼	13438	12836	-602	-4.5% ▲
Sub-Total	410495	383650	-26845	-6.5% ▼	20420	20132	-288	-1.4% ▲
Non-Suburban					Non-Suburban			
Season					Season			
Season-I	531	497	-34	-6.4% ▼	116	106	-11	-9.2% ▲
Season-II	133491	127487	-6004	-4.5% ▼	7003	6738	-265	-3.8% ▲
Total	134022	127984	-6038	-4.5% ▼	7119	6843	-276	-3.9% ▲
Non-Season					Non-Season			
AC I	296	310	15	4.9% ▼	2469	1907	-562	-22.8% ▲
Exec Class	99	172	73	73.3% ▼	1168	1529	360	30.8% ▲
AC II	4744	4700	-44	-0.9% ▼	32977	31880	-1096	-3.3% ▲
FC Exp	0	0	0	0	0	0	0	0
FC Ody	37	122	85	229.8% ▼	248	275	27	10.8% ▲
AC III	15693	16768	1075	6.8% ▼	87015	90492	3477	4.00% ▲
CC	4341	5306	965	22.2% ▼	18726	22446	3720	19.9% ▲
SL M/E	96061	65981	-30080	-31.3% ▼	146021	144807	-1214	-0.8% ▲
SL Ordy	806	379	-427	-53.0% ▼	865	837	-28	-3.3% ▲
II M/E	129488	138186	8698	6.7% ▼	111285	118259	6974	6.3% ▲
II Ordy	106671	102129	-4542	-4.3% ▼	19934	19269	-665	-3.3% ▲
Total	358235	334052	-24184	-6.8% ▼	420710	431702	10992	2.6% ▲
N-Sub-Total	492257	462036	-30221	-6.1% ▼	427829	438545	10716	2.5% ▲
Total	902752	845686	-57067	-6.3% ▼	448249	458677	10428	2.3% ▲

4. b. Goods - Traffic Revenue for 2019-20 with 2018-19								
Loading					Revenue			
(In Million Tonnes)					(Rs. in Lakhs)			
Commodity	Actuals	Actuals	Variation ▼		Commodity	Actuals	Variation ▲	
	2018-19	2019-20	P.Y	P.Y		2018-19	2019-20	P.Y
Coal	20.505	17954	-2.551	-12.4% ▼	112729	106357	-6372	-5.7% ▲
Cement	5.849	4.785	-1.064	-18.2% ▼	28883	22537	-6346	-22.0% ▲
Foodgrains	8.730	8.426	-0.304	-3.5 ▼	44425	41128	-3297	-7.4% ▲
Fertilizers	4.037	4.363	0.326	8.1% ▼	23767	24675	908	3.8% ▲
POL	4.430	4.911	0.481	10.9% ▼	27778	27967	189	0.7% ▲
RMSP	2.577	0.741	-1.836	-71.2% ▼	6894	2362	-4532	-65.7 ▲
Iron & Steel	3.894	5.371	1.477	37.9% ▼	17703	23239	5536	31.3% ▲
Iron Ore	1.615	1.593	-0.022	-1.4% ▼	8891	7351	-1540	17.3% ▲
Container	3.041	2.529	-0.512	-16.8% ▼	7835	1252	-6583	-84.0% ▲
Others	5.004	3.700	-1.304	-26.1% ▼	33264	18362	-14902	-44.8% ▲
Revenue	59.682	54.373	-5.309	-8.9% ▼	312169	275230	-36939	-11.8% ▲
Non-Rev	0.221	0.212	-0.009	-4.1% ▼	332	308	-24	-7.2% ▲
Total	59.903	54.585	-5.318	-8.9% ▼	312501	275538	-36963	-11.8% ▲

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

De-mand No.	Abstract	Particulars	2018-2019	2019-2020
(3)	A	General Superintendence and Services	65,53,477	68,38,447
(4)	B	Repairs and Maintenance of Permanent Way and Works.	1,03,78,961	1,09,41,514
(5)	C	Repairs and Maintenance of Motive Power	48,72,649	49,64,041
(6)	D	Repairs and Maintenance of Carriage and Wagon.	1,17,51,344	1,31,87,635
(7)	E	Repairs and Maintenance of Plant and Equipment.	61,16,716	62,25,734
(8)	F	Operating Expenses—Rolling Stock & Equipment.	87,10,901	1,11,94,072
(9)	G	Operating Expenses—Traffic..	1,63,63,560	1,84,16,744
(10)	H	Operating Expenses—Fuel	1,89,00,977	1,86,43,572
(11)	J	Staff Welfare and Amenities ..	56,03,556	63,01,253
(12)	K	Miscellaneous working expenses	47,63,138	50,18,629
(13)	L	Net Provident Fund, Pension and other Retirement Benefits.	17,63,932	27,31,612
		Total ..	9,57,79,211	10,44,63,253
Suspense—				
(12)	N.	Demands Payable (DR.)	35,054	-291,903
(12)	N.	Miscellaneous Advances Revenue	-14,82,212	-23,95,823

4. (iii) The particulars of additional investment on the Line Capacity Works and Traffic Facility Works during the year 2019-2020 as compared to the previous year 2018-2019 are furnished below. A Statement showing plan - headwise expenditure break - up for the above is also below :

(Net figures in thousands of ₹)									

5. Capital

Statement showing the Capital-at-charge at the end of 31st March 2020 compared with 31st March 2019 is shown the capital-at-charge of this Railway stood at ₹. 15,512.38 crores at the end of 31st March, 2018 as against ₹. 1,86,969.64 crores at the end of 31st March 2019 :—

6. Statement of Assets and Liabilities as on 31st March 2019, 2020 & 2021 in the form of Block Account—

Liabilities	As on 31st March			Assets	As on 31st March		
	2019	2020	2021		2019	2020	2021
I. (a) Investment Financed from—				1. Cash in Hand ..	927	920	2,332
(i) Loan Capital Advance by General Exchequer.	16,94,573	18,67,846	19,69,967	2. Block Account (Contra item 1)	36,49,617	39,63,561	40,81,256
(ii) Depreciation Reserve Fund	5,97,449	6,01,444	6,06,839	3. Funds with Central Government (Contra item 2 & 3)	-21,80,900	-27,03,511	-26,34,452
(iii) Development Fund	2,59,294	2,67,354	2,75,441	4. Miscellaneous Advance—Sundry Debtors (to be recovered or adjusted).	-18,087	-10,221	-14,028
(iv) Capital Fund	4,64,062	4,64,062	4,64,062	5. Traffic Earnings (yet to be realised at the end of the year).	5,022	4,143	3,525
(v) Open Line Works Revenue	9,937	9,937	9,937	6. Items awaited adjustment with Civil Department, State Government, etc.	464	379	407
(vi) Railway Safety Fund	2,59,783	2,82,183	2,81,783				
(vii) Special Railway Safety Fund	92,328	92,328	92,328				
(b) Machinery and Equipment free of cost.	8	8	8				
(viii) RRSK	2,72,177	3,76,551	3,79,662				
(ix) Capital Nrbhaya	7	1,847	1,097				
(x) Capital Covid	0	0	0				
Total	36,49,617	39,63,561	40,81,256				
2. Railway Reserve Fund—							
(i) Depreciation Reserve Fund	2,98,374	3,12,446	3,18,896				
(ii) Railway Revenue Reserve Fund	0	0	0				
(iii) Development Fund	-2,67,310	-2,75,370	-2,83,456				
(iv) Capital Fund	-4,51,357	-4,51,357	-4,51,357				
(v) Pension Fund	-13,93,196	-18,08,436	-17,51,515				
(vi) Railway Safety Fund	-2,59,305	-2,81,705	-2,81,306				
(vii) Special Railway Safety Fund	0	0	0				
(viii) RRSK	-2,72,177	-3,76,551	-3,79,662				
Total	-23,44,971	-28,80,974	-28,28,399				
3. Bank Account (Sundry Creditors)—							
(i) Provident Fund and other funds	1,47,603	1,49,149	1,48,746				
(ii) Miscellaneous Deposits	16,468	28,313	45,201				
Total	1,64,071	1,77,463	1,93,947				
4. Demands Payable (i. e.) liabilities remaining undischarged at the end.	38,360	41,279	40,264				
5. Net Liabilities arising out of inter-departmental transactions.	-50,033	-46,058	-48,029				
Total ..	14,57,044	12,55,271	14,39,039	Total ..	14,57,044	12,55,271	14,39,039

7. Statement of Capital Assets at the end of March 2019 and March 2020 is given below —*(Figures in thousands of ₹)*

Sl. No.	PARTICULARS	Capital at charge as on 31st March 2019	Capital at charge as on 31st March 2020
11.	New Line Construction ..	2,15,08,141	2,25,67,383
12.	Purchase of New line ..	1,31,779	1,31,779
13.	Restoration of dismantled line	-89	-89
14.	Gauge conversion ..	4,68,57,766	4,94,41,997
15.	Doubling ..	3,15,72,054	3,17,47,618
16.	Traffic facilities & Yard Remodelling	20,59,332	21,81,156
17.	Computerisation ..	86,328	86,328
21.	Rolling Stock ..	3,47,63,868	3,74,43,320
22.	Leased Assets..	2,44,33,500	3,16,75,299
23.	Unman LC ..	0	0
24.	Road over/Under Bridge..	10,973	10,973
25.	Track Renewals ..	-1,749	-1,749
26.	Bridge Works ..	8,811	8,811
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 ..	8,80,247	9,71,807
37.	Traction Distribution ..	78,312	78,312
41.	Machinery and Plant ..	7,99,994	8,14,233
42.	Workshop including production units	36,84,473	40,65,307
51.	Staff Quarters..	5,91,488	6,01,195
52.	Amenity for Staff ..	65,929	66,352
53.	(i) Passenger Amenities	1,24,878	5,94,405
	(ii) Other Railway users' Amenities.	-13	-13
62.	Investment in Government/Commercial undertaking Public services.	0	0
64.	Other specified works ..	4,79,438	6,75,134
71.	Suspense ..	2,38,33,259	2,42,88,699
	Deduct Receipt on Capital Account	3,12,313	3,64,416
	Total Capital at charge	19,33,71,366	20,37,98,798

8. The Position of the funds maintained by the Southern Railway for 2019–2020 is indicated below—*(Figures in thousands of ₹)*

Nature of Fund Accounts	Opening balance as on 1st April 2019	Appropriation during the year 2019–2020 including interest and transfers without financial adjustment	Withdrawal from the fund Actual Expenditure	Balance as on 31st March 2020
1. Depreciation Reserve Fund.	2,93,37,385	17,59,276	3,49,788	3,12,46,873
2. Pension Fund	-13,93,19,630	71,75,077	4,86,99,033	-18,08,43,586

9. The sources of funds from which expenditure on works met during the year 2018–2019 and 2019–2020.*(Figures are Net and in thousands of Rupees)*

	2018–2019	2019–2020
1. Capital (including Transfers without Financial Adjustment)	1,43,33,535	1,73,41,478
2. Depreciation Reserve Fund ..	2,54,685	3,49,788
3. Development Fund * ..	5,93,782	8,04,024
4. Railway Safety Fund ..	0	22,40,028
5. Special Railway Safety Fund ..	0	0
6. RRSK-RASTRIYA RAIL SANRAKSHA KOSH ..	1,39,68,717	1,04,43,551
7. EBR IF ..	1,01,71,934	1,53,63,975
8. Capital Fund ..	0	0
Total	3,93,22,653	4,65,42,844

* Inclusive of Expenditure towards—

	2018–2019	2019–2020
(i) Safety Works D.F. IV ..	1,878	3,158
(ii) Passenger Amenities Works ..	5,75,646	11,43,357

10. Statement showing the expenditure Plan head wise for the year 2019-2020

Plan Head	Capital		DRF		DF		RSF		CAP-N		RRSK		Capital Covid		EBR		EBR (BO)		Total	
	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged
51. Staff Welfare	Gross Credit 9707	0	104442	2051	71497	735	0	0	0	0	0	0	0	0	0	0	0	185646	2786	0
	Net 9707	0	1523	0	71497	735	0	0	0	0	0	0	0	0	0	0	0	1523	0	0
52. Amenities for Staff	Gross Credit 423	0	5675	0	188145	1490	0	0	0	0	0	0	0	0	0	0	0	184122	2786	0
	Net 423	0	5675	0	188145	1490	0	0	0	0	0	0	0	0	0	0	0	184122	2786	0
53. Customer Amenities	Gross Credit 469527	0	48105	0	240599	11131	0	0	0	0	375023	0	0	0	0	0	0	1133255	11131	0
	Net 469527	0	48105	0	240599	11131	0	0	0	0	617	0	0	0	0	0	0	1028	0	0
64. Other Specified Works	Gross Credit 11646	0	6366	0	123046	0	0	0	184050	0	1355	0	0	0	0	0	0	1132226	11131	0
	Net 11646	0	6366	0	123046	0	0	0	184050	0	1355	0	0	0	0	0	0	0	0	0
65. Training/HRD	Gross Credit 0	0	0	0	166	0	0	0	0	0	36637	0	0	0	0	0	0	326463	0	0
	Net 0	0	0	0	166	0	0	0	0	0	36637	0	0	0	0	0	0	0	0	0
21. Rolling Stock	Gross Credit 2679451	0	0	0	16467	0	0	0	0	0	447090	0	0	0	1170	0	0	3382249	0	0
	Net 2679451	0	0	0	16467	0	0	0	0	0	199442	0	0	0	0	0	0	437512	0	0
Locomotives	Gross Credit 908865	0	0	0	16467	0	0	0	0	0	247648	0	0	0	1170	0	0	2944737	0	0
	Net 908865	0	0	0	16467	0	0	0	0	0	306604	0	0	0	0	0	0	0	0	0
Carriages	Gross Credit 1668448	0	0	0	0	0	0	0	0	0	76057	0	0	0	0	0	0	1233106	0	0
	Net 1668448	0	0	0	0	0	0	0	0	0	76057	0	0	0	0	0	0	0	0	0
Wagons	Gross Credit 102138	0	0	0	0	0	0	0	0	0	64429	0	0	0	0	0	0	1744505	0	0
	Net 102138	0	0	0	0	0	0	0	0	0	64429	0	0	0	0	0	0	0	0	0
G. Total (Without Suspense)	Gross Credit 4055358	787096	385232	2051	783151	21285	2240155	0	184050	0	1468667	3461	0	0	1170	0	0	44715161	813893	0
	Net 52103	0	35236	0	411	0	127	0	0	0	1034693	0	0	0	0	0	0	1360640	0	0
	Net 14003255	787096	349996	2051	782740	21285	2240028	0	184050	0	10433973	3461	0	0	1170	0	0	43354520	813893	0
71. Stores Suspense	Gross Credit 11206767	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11206767	0	0
	Net 0751328	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10751328	0	0
	Net 455439	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	455439	0	0
72. Workshop Manufacturing Suspense	Gross Credit 2881197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12881197	0	0
	Net 2907953	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12907953	0	0
	Net -26756	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-26756	0	0
73. Misc. Advance Capital	Gross Credit -17916	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-17916	0	0
	Net 11481	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11481	0	0
	Net -29397	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-29397	0	0
G. Total (With Suspense)	Gross Credit 58125406	787096	385232	2051	783151	21285	2240155	0	184050	0	1468667	3461	0	0	1170	0	0	68785209	813893	0
	Net 23722865	0	35236	0	411	0	127	0	0	0	1034693	0	0	0	0	0	0	25031402	0	0
	Net 14402541	787096	349996	2051	782740	21285	2240028	0	184050	0	10433973	3461	0	0	1170	0	0	43753806	813893	0

TO END OF THE MONTH MARCH 20												
SUB-HEAD of Demand	Voted/ Charged	CAPITAL	DRF	DF I, II, III, IV	SAFETY FUND	SGF	SRSF	CAPITAL FUND	CAPITAL N	RRSK	CAPITAL COVID	TOTAL
11.New Lines (Construction)	VOTED CHARGED	414049.86 645191.37	0 0	0 0	148066.2 0	0 0	0 0	0 0	0 0	0 0	0 0	562116.07 645191.37
12.Purchase of New lines	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
13. Restoration of dismantled lines	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
14.Gauge Conversion	VOTED CHARGED	2529041.9 55188.27	0 0	0 0	474706.38 0	0 0	0 0	0 0	0 0	0 0	0 0	3003748.3 55188.27
15.Doubling	VOTED CHARGED	92684.55 85288.27	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	92684.55 85288.27
16.Traffic facilities Yard remodelling & Others	VOTED CHARGED	121824.69 0	0 0	36875.93 3831.62	0 0	0 0	0 0	0 0	0 0	91311.12 0	0 0	250011.74 3831.62
17.Computerisation	VOTED CHARGED	0 0	5088.7 0	1075 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	6163.71 0
18.Railway Research	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
21.Rolling Stock	VOTED CHARGED	2679451.4 0	0 0	16467.27 0	0 0	0 0	0 0	0 0	0 0	447090.41 0	0 0	3143009 0
22.Lesased Assets- Payment of Capital Component	VOTED CHARGED	7241799.3 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	7241799.3 0
29.Rd.Sfty,Wks. Level Crossing unman to man	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	405068.35 0	0 0	405068.35 0
30.Rd.Sfty,Wks. Level Crossing R.O.B or R.U.B	VOTED CHARGED	0 0	0 0	0 0	625039.15 0	0 0	0 0	0 0	0 0	1820407.3 0	0 0	2445446.5 0
31.Track Renewals	VOTED CHARGED	0 0	0 0	0 0	992343.38 0	0 0	0 0	0 0	0 0	6218517.3 1911.49	0 0	7210860.7 1911.49
32.Bridge Works	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	535543.58 0	0 0	535543.58 0
33.Signalling and Telecommunication Works	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1049868.1 1049.25	0 0	1049868.1 1049.25

TO END OF THE MONTH MARCH 20

SUB-HEAD of Demand	Voted/ Charged	CAPITAL	DRF	DF I, II, III, IV	SAFETY FUND	SGF	SRSF	CAPITAL FUND	CAPITAL N	RRSK	CAPITAL COVID	TOTAL
34. Taking over line wires from P&T Dept.	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
35. Electrification Projects	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
36. Other Electrical Works	VOTED CHARGED	91559.95 0	10992.72 0	3881.23 0	0 0	0 0	0 0	0 0	0 0	89620.08 0	0 0	196053.98 0
37. Electrical Traction Works	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	121371.77 0	0 0	121371.77 0
41. Machinery & Plant	VOTED CHARGED	14238.27 0	95180.83 0	20042.48 0	0 0	0 0	0 0	0 0	0 0	118634.15 0	0 0	248095.72 0
42. Workshops including Production Units	VOTED CHARGED	379405.73 1428.43	109382.13 0	81355.62 4096.68	0 0	0 0	0 0	0 0	0 0	158219.47 500.38	0 0	728362.95 6025.49
51. Staff Quarters	VOTED CHARGED	9706.69 0	104441.97 2050.59	71497.07 735.46	0 0	0 0	0 0	0 0	0 0	0 0	0 0	185645.74 2786.05
52. Amenities for Staff	VOTED CHARGED	423.21 0	5674.55 0	188145.46 1489.65	0 0	0 0	0 0	0 0	0 0	0 0	0 0	194243.22 1489.65
53. Passengers Amenities	VOTED CHARGED	469526.92 0	48105.01 0	240599.16 11131.1	0 0	0 0	0 0	0 0	0 0	375023.48 0	0 0	1133254.6 11131.1
61. Inv. in Govt. Comm. Und.-Road Services	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
62. Inv. in Govt. Comm. Und.- Public Und.	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
63. Inv. in Non Govt. Und.-Incl. JVs/SPVs	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
64. Other specified works	VOTED CHARGED	11645.66 0	6366.21 0	123045.58 0	0 0	0 0	0 0	0 0	184050.43 0	1354.83 0	0 0	326462.7 0
65. HRD/Training	VOTED CHARGED	0 0	0 0	166.04 0	0 0	0 0	0 0	0 0	0 0	36636.97 0	0 0	36803.01 0
81. MTP	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
83. Newlines(Const) Dividend Free.	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
TOTAL - FINAL HEADS	VOTED CHARGED	14055358.1 787096.34	385232.13 2050.59	783150.85 21284.51	2240155.1 0	0 0	0 0	0 0	184050.43 0	11468667 3461.12	0 0	29116613 813892.56

STATEMENT SHOWING THE DETAILS OF CREDIT INCLUDING ROCA FOR AND TO END OF MARCH 20

FUND	CAPITAL		DRF		DF		RSF		SGB		CAPITAL N		RRSK		CAPITAL COVID		TOTAL	
	FOR	TO END	FOR	TO END	FOR	TO END	FOR	TO END	FOR	TO END	FOR	TO END	FOR	TO END	FOR	TO END	FOR	TO END
1100-New Lines (Construction)	0	455.4	0	118.11	0	0	0	0	0	0	0	0	0	0	0	0	0	573.51
1200-Purchase of New lines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300-Restoration of Dismantled Lines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400-Gauge Conversion	11.78	24745.22	14099.85	24200.98	0	0	126.96	126.96	0	0	0	0	0	0	0	0	14238.59	49073.16
1500 - Doubling	1778.24	25238.77	0	55.4	0	0	0	0	0	0	0	0	0	0	0	0	1778.24	25294.17
1600-Traffic Facilities-Yard Remodelling & Others	0	1663.94	0	0	0	0	0	0	0	0	0	0	-436.65	-218.33	0	0	-436.65	1445.61
1700-Com-puterisation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800- Railway Research	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100-Rolling Stock	0	0	0	0	0	0	0	0	0	0	0	0	12137.33	19944.24	0	0	12137.33	19944.24
2200-Leased Assets- Payment of Capital Component	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2900-Road Safety Works-Level C rossings	0	0	0	0	0	0	0	0	0	0	0	0	-8.71	11.2	0	0	-8.71	11.2
3000-Road Safety Works-Road Over Under Bridges..	0	0	0	0	0	0	0	0	0	0	0	0	0	149.17	0	0	0	149.17
3100-Track Renewals	0	0	0	0	0	0	0	0	0	0	0	0	204107.6	819883.5	0	0	204107.6	819883.5
3200-Bridge Works, Tunnel Works and Approaches	0	0	0	0	0	0	0	0	0	0	0	0	0	1206.81	0	0	0	1206.81
3300-Signalling and Telecommunication	0	0	388.03	9160.27	0	0	0	0	0	0	0	0	2105.72	3400.21	0	0	2493.75	12560.48
3400-Taking Over Line Wires from P&T Dept.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3500-Electrification Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3600-Other Electrical Works, Incl TRD	0	0	0	0	0	0	0	0	0	0	0	0	450.33	5689.8	0	0	490.33	5689.8
3700-Traction Distribution Works	0	0	0	0	0	0	0	0	0	0	0	0	0	4312.48	0	0	0	4312.48
4100-Machinery and Plant	0	0	0	177.66	0	0	0	0	0	0	0	0	0	0	0	0	0	177.66
4200-Workshops Including Production Units	0	0	0	0	0	0	0	0	0	0	0	0	-0.12	0	0	0	-0.12	0

STATEMENT SHOWING THE DETAILS OF CREDIT INCLUDING ROCA FOR AND TO END OF MARCH 20

FUND	CAPITAL		DRF		DF		RSF		SGB		CAPITAL N		RRSK		CAPITAL COVID		TOTAL	
	FOR	TO END	FOR	TO END	FOR	TO END	FOR	TO END	FOR	TO END	FOR	TO END	FOR	TO END	FOR	TO END	FOR	TO END
5100-Staff Quarters	0	0	0	1523.28	0	0	0	0	0	0	0	0	0	0	0	0	0	1523.28
5200-Amenities for Staff	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5300-Customer Amenities	0	0	0	0	0	411.02	0	0	0	0	0	0	0	617.21	0	0	0	1028.23
6100-Inv. in PSU/JV/SPV etc. (Govt. & Non-Govt.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6200-Inv. in Govt. Comm. Und.-Public Und.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6300-Inv. in non-Govt. Und. incl. JVs/SPVs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6400-Other Specified Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6500-Training/HRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8100-Metropolitan Transport Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8300-New Lines (Const.) + Dividend free projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FINAL HEADS:	1790.02	52103.3	14487.9	35235.7	0	411.02	126.96	126.96	0	0	0	0	218396	1034693	0	0	234800	1122570

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

1. New Lines Opened

Sl. No.	Divn.	Name of Work	Estimate Cost ₹. in Lakhs	Remarks
a) New lines opened during the year 2019–2020				
1.	MAS	Nil	-	
2.	SA	Eriode -Provision of Second loop line Agreement No. SA/152 of 09.11.2015	60.3	
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 31/03/20	Remarks
1 (a) New Lines Under Construction					
1.	MAS	-			
2.	SA	-			
3.	PGT	-			
4.	TVC	-			
5.	TPJ	-			
6.	MDU	-			
7.	CE/CN/ERS	-			
8.	CE/CN/MS	(i) Madurai - Tuticorin (via) Aruppukkottai (143.5 km-New Line (PB No. 8)	272.16	9%	Initially, Milavittan - Melamarudur (18 km) section is taken for execution in which part detailed estimate for Rs.120.70 cr. has been sanctioned by Board on 23.3.14. Land for this section has been received during December 2018. Works are progressing, but slowed down due to paucity of funds. Final Local Survey has been completed from Melmarudur to Madurai. Detailed estimate for Rs.2172.16 cr. for the full project sent to Railway Board vide letter No.W.193/XXIII/33/CN dt.07.02.2020. Land Plan Schedule for the non-targeted stretch viz., Melmarudur to Madurai, (2150 acres) has been submitted to Revenue Authorities concerned in Mar'19. Regarding Land Acquisition, GoTN vide G.O no.451 dt.05.12.2019 has informed that consequent on the enactment of the Tamilnadu Act 38 of 2019, the Land Acquisition proceedings which are now pending under Tamilnadu Acquisition of Land for Industrial Purposes Act, 1997 can be continued under the same act and final orders be passed thereon, by applying the provisions relating to determination of compensation, as specified in the First schedule, rehabilitation and resettlement as specified in the Second schedule and infrastructure amenities as specified in the Third schedule of the said Central Act 30 of 2013. Fund constraint is likely to delay the project. In the absence of additional funds, the contractors have already slowed down the work.

Sl. No.	Division	Name of Works	Cost ₹. in crores	% of over all progress as on 31/03/20	Remarks
New Lines Under Construction—Contd.					
1 (a) New Lines Under Construction					
		(ii) Morappur - Dharmapuri (36 km) (PB No.10)	358.95	0%	Detailed estimate for Rs. 358.95 cr. has been sanctioned by Railway Board on 06/02/2019. Work of site clearance and land boundary stone fixing have been completed for about 10km length (from Morappur end). Preparatory works for calling of tenders are under process. Requested District Collector/ Dharmapuri for forming Special LA unit for acquisition of land on 05.03.19, 06.07.19 and 19.07.19. District Collector, Dharmapuri has sent proposal to Additional Secy to Govt. Industrial Deptt. on 24.07.2019 for forming one unit of special land acquisition. Dy.Secy to Govt. of TN has advised the District Collector, Dharmapuri on 05.09.19 to submit proposal through Addl.Chief Secy/ Commissioner of Land Administration for Administrative Sanction. On sanction of proposal, the required amount (about Rs. 55 lakhs) shall be deposited to State Government for identification of land in order to process for land acquisition.
		(iii) Rameswaram-Dhanushkodi - New Line (17.2 km) (PB No.11) (Umbrella work)	208.30	0%	The work has been sanctioned by Railway Board on 26/12/2018 at a cost of Rs.208.30 cr. Approval for awarding Consultancy contract to IIT/M, Chennai for design of Railway embankment in the coastal area awarded on 26/07/2019. IITM completed topographic survey, bathymetric survey, soil investigation(sampling) on 16.11.19. IITM submitted Storm SURGE analysis report on 30.12.19. IITM submitted soil investigations report on 30.12.2019. Working plan and working section are being processed for approval. After approval of working plan and working section, Detailed estimate will be submitted to Railway Board. LPS is under preparation.

1 (b) New lines sanctioned works during 2019-20.

MAS	-
SA	-
PGT	-
TVC	-
TPJ	-
MDU	-
CE/CN/ERS	-
CE/CN/MS	-
MTP	-

3. Surveys**(a) SURVEYS SANCTIONED DURING THE YEAR 2019 - 20**

Sl. No.	Division	Name of Works	KM	Cost in lakhs of Rs.	Remarks
1	MAS	NIL			
2	SA	NIL			
3	PGT	NIL			
4	TVC	NIL			
5	TPJ	NIL			
6	MDU	NIL			
7	CE/CN/ERS	NIL			

3. Surveys

(a) SURVEYS SANCTIONED DURING THE YEAR 2019 - 20

Sl. No.	Division	Name of Works	KM	Cost in lakhs of Rs.	Remarks
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	Reconnaissance Engineering cum Traffic survey for new line between Jolarpettai/Tirupattur and Hosur via. Krishnagiri.		101.00	RET Survey ordered by Board vide Demands for Grants - Railways, 2018-19 as item No.15. The survey estimate is vetted by Finance and Sanctioned by CAO/CN. RETS tender opened on 26.02.2019. TC under finalisation.
		Updating survey for Ariyalur - Namakkal via Perambalur Turaiyur & Tattayyanagarpettai new line.		108.00	Updating survey ordered by Railway Board vide letter no.2018/W-1/NL/SR/AN dated 08.08.2018. The survey estimate is prepared and sent to finance for vetting.
		RET survey for new line between Musiri and Chennai.		350.00	RET survey ordered by Railway Board vide letter no.2018/W-1/NL/SR/AN dated 28.08.2018. The survey estimate is prepared and sent to finance for vetting.
		PET survey for doubling of track between Villupuram and Mayiladuturai - Thanjavur.		193.00	PET Survey ordered by Railway Board vide letter No.2018/W-1/DL/Sy/SR/VT dated 04.01.2019. The survey estimate is vetted by Finance and approved by CAO/CN. Tender Schedule is under preparation.
		RET survey for Kallakurichi - Tiruvannamalai new line.		69.00	RET Survey ordered by Railway Board vide letter No.2019/W-1/NL/SR/Sy/KT dated 23.01.2019. The survey estimate is vetted by Finance and approved by CAO/CN. Tender Schedule is under preparation.
9	MTP	-			

1 (b). New Lines Under Construction

1.	MAS	-			
2.	SA	-			
3.	PGT	-			
4.	TVC	-			
5.	TPJ	-			
6.	MDU	-			
7.	CE/CN/ERS	-			
8.	CE/CN/MS	1. Reconnaissance Engineering cum Traffic Survey for new line between Kallakurichchi and Ulundurpet.		6.51	RET Survey ordered by Board vide Demands for Grants - Railways, 2015-16 as item No. 25. The survey estimate is vetted by Finance and sanctioned by CAO/CN. Tender called for survey work, opened on 02.06.2015 and discharged. Re-tender awarded. Field survey is under process.
		2. Reconnaissance Engineering cum Traffic survey for new line between Dindigul and Sabarimala via Bodinayakanur.		30.15	RET Survey ordered by Board vide Demands for Grants - Railways, 2016-17 as item No. 23. The survey estimate is vetted by Finance and sanctioned by CAO/CN. Tender schedule is under process.
		3. Reconnaissance Engineering cum Traffic survey for new line between Jolarpettai/Tirupattur and Hosur via Krishnagiri.		25.25	RET Survey ordered by Board vide Demands for Grants - Railways, 2018-19 as item no. 15. The survey estimate is vetted by finance and sanctioned by CAO/CN. RETS tender opened on 26-02-2019. Tender finalised & work awarded to contractor on 27.5.19 . Survey work is under Progress. Alinment is finalised on Topo sheet tentatively. Combined abstract estimate sent to Finance for vetting.

3. Surveys

(a) SURVEYS SANCTIONED DURING THE YEAR 2019 - 20

Sl. No.	Division	Name of Works	KM	Cost in lakhs of Rs.	Remarks
3. Surveys					
1 (b). New Lines Under Construction					
		4. Up dating of RET Survey for Ariyalur-Namakkal via Perambalur, Turaiyur & Tattayanagarpettai new line.		16.20	Updating of RET survey ordered by Railway Board vide letter no. 2018/W-1/NL/SR/AN dated 08-08-2018. The survey estimate is vetted by finance on 5.9.19. Letter has addressed to Railway board seeking the permission for conducting fresh survey and to increase the sanctioned amount vide this office letter dated 4.9.2019. Board's decision is awaited. Tender opened on 13.11.2019. LOA issued to contractor on 26.2.2020.
		5. RET survey for new line between Musiri and Chennai.		87.50	RET survey ordered by Railway Board vide letter no. 2018/W-1/NL/SR/AN dated 28-08-2018. The survey estimate is vetted by finance and approved by CAO/CN. Tender opened on 27.8.19. LOA sent to finance for vetting on 20.9.2019. LOA issued to contractor on 3.10.19. Survey work is under progress.
		6. PET survey for doubling of track between Villupuram-Mayiladuturai - Thanjavur.		96.50	PET survey ordered by Railway Board vide letter no. 2018/W-1/DL/Sy/SR/VT dated 04-01-2019. The survey estimate is vetted by finance and approved by CAO/CN. Tender opened on 23.07.2019. LOA sent to finance for vetting on 17.9.2019. LOA issued to contractor on 3.10.19. Survey work is under progress.
		7. RET survey for Kallakurichi - Tiruvannamalai new line.		17.25	RET survey ordered by Railway Board vide letter no. 2019/W-1/NL/SR/Sy/KT dated 23-01-2019. The survey estimate is vetted by finance and approved by CAO/CN. Tender schedule is prepared and sent to work section for calling of tender. Tender opened on 23.07.2019. LOA sent to finance for vetting on 18.9.2019. LOA issued to contractor on 3.10.19. Survey work is under progress.
9.	MTP	-			

(c) SURVEYS COMPLETED DURING THE YEAR 2019 - 20.

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	Reconnaissance Engineering cum Traffic Survey for a new BG line from Morappur to Dharmapuri via. Ranimukkanur and Mukkanur.	35.90	Civil Engineering 206.15 Ele. 5.62 OHE 5.50 S&T 21.67 Total cost Rs.238.95 ROR: (-) 8.040% (Land Cost Rs.22.38 Cr.)	Survey Report submitted to Railway Board on 11.02.2008. Railway Board asked for recast vide letter Dt.08.05.2008. Cost updated (Rs.146.42 cr. & IRR: (-) 6.682%) and report submitted to Railway Board on 27.06.2008. Further, Railway Board has ordered for updating in 2013-14. Updated survey report submitted to Railway Board on 28.02.2014. Railway Board has shelved the project vide their letter No.2014/W-1/NL/SR/MD dt. 09.09.2015. Clarifications sought by Railway Board vide letter dt. 16.09.2015 is replied on 23.09.2015. The revised abstract estimated/draft report sent to Railway Board on 08.01.2016 at a cost of Rs.194.26 Cr. Railway Board has sanctioned the project in the current year 2016-17.

3. Surveys

(a) SURVEYS SANCTIONED DURING THE YEAR 2019 - 20

Sl. No.	Division	Name of Works	KM	Cost in lakhs of Rs.	Remarks
3. Surveys					
(c) SURVEYS COMPLETED DURING THE YEAR 2019 - 20.					
1.2		Reconnaissance Engineering cum Traffic Survey for a new BG line from Madurai to Karaikkudi via Melur and ITiruppattur Road.	85.70	Civil Engineering 577.08 Electrical 24.73 OHE 4.04 S&T 43.65 Total cost Rs.649.50 IRR: (-) 7.742% (Land Cost Rs.89.07 Cr.)	Survey Report submitted to Railway Board on 29.07.2008. Railway Board has ordered for updating in 2013-14. Updated survey report was submitted to Railway Board on 27.11.2014. Railway Board has shelved the project vide letter No.2015/W-1/NL/SR/MKD dated 15.01.2016.
1.3		Updating of Reconnaissance Engineering cum Traffic Survey for a new BG line from Thanjavur to Ariyalur via. Tirumanur.	50.35	Civil Engineering 416.07 Electrical 6.12 OHE 1.76 S&T 28.14 Total cost 452.09 ROR: (-) 0.048% (Land Cost Rs.47.86 Cr.)	Survey Report submitted to Railway Board on 09.07.2008. Further, Railway Board has ordered for updating in 2013-14. Updated survey report was submitted to Railway Board on 30.06.2014. Further, clarifications sought by Railway Board vide letter dated 22.02.2016 and replied on 28.03.2016 with revised cost of Rs.461.52 cr. Railway Board has shelved the project vide letter No.2014/W-1/NR/SR/TA dated 01.08.2016.
1.4		Preliminary Engineering cum Traffic Survey for a new BG line (3rd & 4th) between Attipattu and Gummidipundi.	25.37	Civil Engineering 189.08 Electrical 5.35 OHE 75.51 S&T 98.78 Total cost 368.72 ROR: (-) 4.340% (Land Cost Rs.13.77 Cr.)	Report submitted to Board on 29.10.2010. Clarifications sought by Railway Board vide letter dated 28.12.2011. Based on the Board's letter the remarks are received from CTPM on 22.02.2012. Updated abstract estimate sent to Railway Board on 23.11.2012 at a cost of Rs.315.85 Cr. The revised IRR is (+) 4.819% also sent to Board on 03.04.2013. And again clarifications sought by Railway Board vide letter dated 12.09.2013 is replied. Further, clarifications sought by Railway Board vide letter dated 21.01.2016 is replied on 14.03.2016 at a revised cost of Rs.308.03 Cr. Now, Railway Board asked for IRR. The IRR is (+) 3.048% sent to Railway Board on 27.06.2016. Again clarifications sought by Railway Board vide letter dated 12.07.2016. Remarks received from COM/MAS and revised abstract estimate also vetted by finance at a cost of Rs.368.72 Cr. IRR(-)4.340% also vetted by Finance and approved by GM. The updated report was submitted to Railway Board on 13.07.2018. Decision awaited.
1.5		Updating survey for a new BG line between Chennai and Sriperumbudur via. Saidapet, Kulapakka Poonamalle & Pudupper.	38.60	Civil Engineering 818.12 Electrical 16.64 OHE 56.20 S&T 24.23 Total cost 915.19 ROR: (-)9.534% (Land Cost Rs.679.25 Cr.)	Survey Report was submitted to Railway Board on 31.01.2014. Further, clarifications sought by Railway Board vide letter dated 21.01.2016 and replied on 08.03.2016 at revised cost of Rs.926.97 cr. Railway Board has shelved the project vide letter No.2014/W-1/NR/SR/CSP dated 27.05.2016.
1.6		Updating of RETS for a new line from Dindigul to Kumuli via Bodinayakkanur and alternative via. Teni.	134 (Bodi)	Civil Engineering 707.52 Electrical 44.53 OHE 1.22 S&T 74.95 Total cost 828.22 ROR: (-) 3.669% (Land Cost Rs.55.15 Cr.)	Surey report was submitted to Railway Board on 22.05.2014. Observations asked by Board is replied. Railway Board's decision in this connection is awaited.
			123 (Teni)	Civil Engineering 618.39 Electrical 41.19 OHE 1.22 S&T 66.77 Total cost 727.57 ROR: (+) 0.445% (Land Cost Rs.57.12 Cr.)	

3. Surveys

(a) SURVEYS SANCTIONED DURING THE YEAR 2019 - 20

Sl. No.	Division	Name of Works	KM	Cost in lakhs of Rs.	Remarks
3. Surveys					
(c) SURVEYS COMPLETED DURING THE YEAR 2019 - 20.					
1.7		Preliminary Engineering cum Traffic Survey for a doubling between Salem and Omalur.	10.70	Civil Engineering 32.53 Electrical 1.40 OHE 11.50 S&T 16.32 Total cost 61.75 ROR: (+) 4.629% (Land Cost Rs.14.87 Cr.)	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. Further, clarifications sought by Railway Board vide letter dated 22.02.2016 is replied on 07.04.2016 with revised cost of Rs.7643.03 lakhs. Railway Board has sanctioned the project in the year 2016-17 (Supplementary)
1.8		PETS between Podanur - Palghat 3rd line (Exg. Double line).	52.44	Civil Engineering 322.94 Electrical 6.68 OHE 32.64 S&T 48.11 Total cost 410.37 ROR: (+) 4.678% (Land Cost Rs.34.87 Cr.)	Surey report was submitted to Railway Board on 31.10.2014. Clarifications sought by Railway Board vide letter dated 30.09.2015 is replied on 09.11.2015. Railway Board's decision in this connection is awaited.
1.9		Updating for a new BG line between Portblair and Diglipur.	240.00	Civil Engineering 1791.61 Electrical 133.05 S&T 62.80 Total cost 1987.46 ROR: (-) 9.004% (Land Cost Rs.15.67 Cr.)	Surey report was submitted to Railway Board on 16.12.2014. Clarifications sought by Railway Board vide letter dated 11.04.2016 is replied. Railway Board's decision in this connection is awaited.
1.10		Reconnaissance Engineering cum Traffic Survey for extension of Tindivanam - Nagari new line upto Pondicherry.	44.50	Civil Engineering 219.78 Electrical 6.73 OHE 2.64 S&T 33.56 Total cost 262.71 ROR: (-) 15.215% (w.o.c.t) (-) 12.483% (w.c.t) (Land Cost Rs.48.79 Cr.)	Survey Report was submitted to Railway Board on 11.05.2015. Railway Board has shelved the project vide letter No.2015/W-1/NL/SR/TNP dated 29.03.2016.
1.11		Reconnaissance Engineering cum Traffic Survey for a new line between Karaikudi and Dindigul via. Nattam.	105.60	Civil Engineering 1231.55 Electrical 25.71 OHE 2.08 S&T 54.95 Total cost 1314.29 ROR: (-) 10.647% (Land CostRs.128.09 Cr.)	Survey Report was submitted to Railway Board on 06.07.2015. Railway Board has shelved the project vide letter No.2015/W-1/NL/SR/DK dated 31.03.2016.
1.12		Reconnaissance Engineering cum Traffic Survey for a new line between Thanjavur and Pudukkottai via. Gandarvakkottai, Adanakkottai, Perungalur Ichadi and Dharga.	71.72	Civil Engineering 536.82 Electrical 3.24 OHE — S&T 69.42 Total cost 619.48 ROR: (-) 8.2747% (Land CostRs.195.70 Cr.)	Survey Report was submitted to Railway Board on 29.02.2016. Railway Board has shelved the project vide letter No.2016/W-1/NL/SR/TPG dated 06.05.2016.
1.13		Reconnaissance Engineering cum Traffic Survey for a new line between Tirunelveli and Sankarankoil via. Pettai, Pudur, Sendamaram, Veerasigamamani.	77.41	Civil Engineering 575.49 Electrical 12.79 OHE — S&T 67.38 Total cost 655.84 ROR: (-) 12.662% (Land CostRs.176.10 Cr.)	Survey report was submitted to Railway Board on 30.06.2016. Clarification sought by Railway Board on 22.07.2016 and replied on 19.08.2016. Again, Board observations vide letter, dated 13.10.2016. Revised abstract estimate and IRR vetted by Finance at a cost of Rs.960.85 Cr. & IRR (-) 13.536%, the same estimate & IRR was sent to Railway Board on 24.02.2017. Railway Board has shelved the project vide letter No.2016/W-1/NL/SR/TS dated 28.04.17.

3. Surveys

(a) SURVEYS SANCTIONED DURING THE YEAR 2019 - 20

Sl. No.	Division	Name of Works	KM	Cost in lakhs of Rs.	Remarks
3. Surveys					
(c) SURVEYS COMPLETED DURING THE YEAR 2019 - 20.					
1.14		Reconnaissance Engineering cum Traffic Survey for a new line between Kumbakkonam and Vriddhachalam via. Jayankondacholapuram, Andimadam.	74.31	Civil Engineering 938.54 Electrical 11.55 OHE 1.95 S&T 56.64 Total cost 1008.68 ROR: (-) 7.512% (Land CostRs.256.57 Cr.)	Survey report was submitted to Railway Board on 26.07.2016. Clarification sought by Railway Board and replied on 26.08.2016 at a cost of Rs.1020.89 Cr. along with IRR (-) 7.03% . Railway Board has shelved the project vide letter No.2016/W1/NL/SR/KV dated 17.01.2017.
1.15		Reconnaissance Engineering cum Traffic Survey for a new line between Tiruppattur and Krishnagiri via. Kandili.	41.25	Civil Engineering 306.44 Electrical 11.09 OHE 2.08 S&T 34.72 Total cost 354.33 ROR: (-) 8.445% (Land CostRs.40.91 Cr.)	Survey report was submitted to Railway Board on 29.07.2016. Clarifications sought by Railway Board and replied on 16.11.2016 at a cost of Rs.405.86 Cr. Railway Board has shelved the project vide letter No.2016/W1/NL/SR/TKK dated 14.03.2017.
1.16		Reconnaissance Engineering cum Traffic Survey for a new line between Viranialur - Nagercoil - Alagappapuram- Chettikulam.	20.50	Civil Engineering 248.04 Electrical 8.35 OHE 13.36 S&T 23.60 Total cost 293.35 ROR: (-) 8.038% (Land CostRs.82.57 Cr.)	Survey report was submitted to Railway Board on 31.08.2016. Clarification sought by Railway Board and replied on 18.11.2016 at a cost of Rs.403.48 Cr. Railway Board has shelved the project vide letter No.2016/W1/NL/SR/ANC dated 17.01.2017.
1.17		Reconnaissance Engineering cum Traffic Survey for a new line between Kanchipuram - Tiruvannamalai-Katpadi via. Vandavasi.	116.76	Civil Engineering 1711.52 Electrical 21.52 OHE 4.63 S&T 78.28 Total cost 1815.95 ROR: (-) 10.059% (Land CostRs.748.13 Cr.)	Survey report was submitted to Railway Board on 31.10.2016. Clarifications sought by Railway Board during January 2017, the revised cost of Rs.2522.26 Cr. was sent to Railway Board on 13.02.2017. Railway Board has been shelved the project at present vide their letter No.2016/W1/NL/SR/TK dated 20.07.2017.
1.18		Up dating of Preliminary Engineering cum Traffic survey for restoration of rail connectivity between Rameswaram and Dhanushkodi via Jada Theertham, Kothandaramarkovil	17.20	Civil engineering 155.37 Electrical 16.88 OHE 12.27 S & T 23.78 Total Rs.208.304 ROR: (-) 6.410 % (Land cost Rs. 7.70 Cr.)	Survey report was submitted to Railway Board on 12.12.2018. Railway Board has sanctioned the Project vide their letter No.2018/W-1/Genl/Survey/Umbrella/Project/PI dated.26.12.2018.
MTP	-				

Sl. No.	Divn.	Name of Work	Estimate Cost ₹. in Lakhs	Remarks
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4. Lines closed during the year 2019-20

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		

5. PROGRESS OF MAJOR PROJECT WORKS UP TO 31/03/2019

Amount in lakhs of Rs.

S.No.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2019	Physical Progress	Remarks
1.0 NEW LINES							
1	Guruvayur Tirunnavaya-New BG line	142.71	1996	..	37.2	1.50%	Guruvayur Phase 1 yard work completed.
2	Karur - Salem (85 kms) New Line (PB No.2)	234.88	1996 - 97	2013	27.52	99%	Section Commissioned for passenger services on 25.05.2013 . The section handed over to Open Line Department on 26.07.2013.
3	Angamali-Sabari New BG line	1585.99	1998		264.78	10%	82% work completed between Angamali & Kaladi section.
4	Tindivanam - Gingee - Tiruvannamalai (70 km) (PB No. 4).	237.41	Supp.D.No. 2006-07		6.79	8%	Detailed estimate sanctioned. Land acquisition proposals were initiated in the year 2010. 65 acres were handed over out of the total requirement of 662 acre. An amount of Rs.14.49 cr. was deposited for land acquisition during 2011, 2012 & 2017. However no further and has been physically handed over so far. 6 out of 8 major bridges completed.
5	Tindivanam - Nagan (184.45 km) - New line (PB No.5)	592.83	Supp.D.No. 2006-07		37.32	12%	Detailed estimate sanctioned. Land acquisition proposal initiated in the year 2010 & 2011. 11.67 acre only received so far out of the total requirement of 1810 acre (1712 acre TN & 98 acre -AP). So far an amount of Rs. 57.12 cr. deposited towards land acquisition for TN districts and only 4.67 acres of land received so far. Regarding Andhra Pradesh, 15.74 cr. deposited and 7 acres of land have been handed over to Railways so far. Walaja Road-Ranipet (6 km) completed. Works are in progress in Ranipet - Arcot section 8 major bridges, 22 minor bridges & 1 ROB completed.
6	Attippattu - Puttur (88.3 kms) - New line (PB No.6)	517.47	2008-09		0.04	1%	Detailed estimate sanctioned. Ennore Port Trust has withdrawn cost sharing offer & Board advised. Board's orders awaited. Land requirement furnished to TN & AP Govts. No land received so far. Tenders not called for want of Board's decision.
7	Erode - Palani (91.05 kms) New Line (PB No.7)	603.23	2008-09		0.00	1%	Project frozen by Board.
8	Chennai - Cuddalore (via) Mahabalipuram (179.28 kms) (PB No.8).	1105.00	2008-09		0.00	7%	Final Location Survey completed to entire length and detailed estimates for Mahabalipuram -Puducherry & Puducherry- Cuddalore were sent to Railway Board during October 2016 & September 2013 respectively. In the mean time, Govt. of Puducherry has not agreed to Railways alignment and want some changes in the alignment in Puducherry Territory. Hence revised alignment was proposed by Puducherry Govt. state has been approved by Railway Board. Final Location Survey is in progress for revised alignment.Detailed estimate is under preparation
9	Madurai - Tuticorin (via) Aruppukottai (143.5 km) New line (PB No.9)	132.70	2011-12		144.52	9%	Milavittan-Melamarudur(18 km)section part detailed estimate for Rs.120.70 cr. sanctioned by Board. Revised DE for this stretch is under finance vetting. Total extent of land required for this section alone is 184.92 acres involving 6 villages an amount of Rs. 18.70 cr. has been deposited towards establishment charges and cost of land. Railways has taken possession of the entire land of 184.92 acre in all the 6 villages. The initial target for commissioning of this section is March 2019 and the same got extended to December 2019 due to delay in land acquisition. Moreover, one land acquisition case is pending in High Court, Chennai and stay granted by Hon'ble High Court to maintain status quo. Works are progressing where land is available. Final Local Survey has been completed from Melmarudur to Madurai for which detailed estimate is under finance vetting.

PROGRESS OF MAJOR PROJECTS COSTING OVER RS.20 LAKHS & ABOVE UNDER VARIOUS PLAN HEADS UP TO 31/03/2019
Amount in lakhs of Rs.

S.No.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2019	Physical Progress	Remarks
1.0 NEW LINES							
10	Sriperumbudur-Guduvanchery with spur to Irungattukkottai - Avadi - Sriperumbudur (60 km) New line (PB No.10)	839.25	2013-14		0.62	0%	Final location Survey completed. TN Govt. has agreed to share 50% of the cost of the project subject to (a) Forming a SPV between Railways and Government of Tamil Nadu and (b) Sharing the project cost in ratio of 50:50 including the land of cost as State Govt. equity in SPV. JV is yet to be signed. Detailed estimate under preparation.
11	Morappur-Dharmapuri (36 km) (PB 11)	67.00	2016-17		0.00	0%	Detailed estimate (with Detailed Project Report) for Rs. 358.95 cr. sent to Railway Board for sanction vide letter No. W. 193/VII/5/CN dt. 05/12/2016. Detailed Estimate for Rs. 358.95 cr. has been sanctioned by Railway Board vide letter No. 2016/W-1/NI/SR/MD dt. 06/02/2019. As the budget allotment for 2019-20 is very meagre (Rs. 10 lakhs), an additional funds to a tune of Rs. 20 cr. has been requested from Railway Board.
II GAUGE CONVERSION							
1	Tiruchchirappalli - Thanjavur - Nagore - Karaikal (145.33 Km) with extension Nagapattinam-Velankanni-Tiruthuraipundi via Thirukuvalai (43 Kms.) and new material modification of Peralam-Karikal new line (23 km) Total=211.33 km (PB No.12)	60.53	1995 - 96		658.19	77%	All sections commissioned except Nagapattinam-Thirukuvalai-Thiruthuraipundi NL (38 Kms.) and Peralam-Karaikal New Line. In Nagapattinam - Thirukuvalai-Thiruthuraipundi NL section earth work & bridge works are in progress. Regarding Peralam-Karaikal New Line, Railway Board vide letter No. 92/W-1/GC/S/25 dt. 30.01.2019 has sanctioned the detailed estimate at a cost of Rs. 177.69 cr.
2	Quilon - Tirunelveli - Tiruchendur & Tenkasi - Virudunagar - Gauge Conversion (357 Kms) (P.B.No.13)	937.41	1997 - 98	2018	846.84	90%	All sections commissioned.
3	Madurai - Rameswaram - Gauge Conversion (161 kms) (PB No.14)	416.60	1997 - 98	2007	-0.05	99%	Section Commissioned.
4	Cuddalore - Salem via Vriddhachalam - Gauge Conversion (191 kms) (RVNL Project) (PB No.15)	461.85	1999-2000	2007	272.79	94%	Project commissioned except Chinnasalem-Kallakurichchi NL 16 km (MM), for which DE sanctioned. Survey completed and the proposed alignment submitted along with LP schedule to the District Collector, Villupuram during December 2010 TN State Govt. deposited Rs. 64.69 cr. towards 50% share to the project cost to Railways during the March 2015. Govt. of Tamil Nadu issued G. O. during May 2016 to acquire land under "Tamil Nadu Acquisition of Land for Industrial Purpose Act. 1997". Total extent required is 118.58 acre. 3(2) notification was issued to all 11 villages during July 2016 and 3(1) notification issued for all 11 villages by Go TN during November '17 & December '17. In this connection, an amount of Rs. 10 cr. has been deposited with dist. collector, Villupuram during October 2017. Government of Tamil Nadu is requested to expedite passing of award to all 11 villages and hand over the land to Southern Railways to execute the works. Agency fixed for construction of earthwork, major & minor bridges and Road Safety Works up to km 13.20 and works are in progress.

PROGRESS OF MAJOR PROJECTS COSTING OVER RS.20 LAKHS & ABOVE UNDER VARIOUS PLAN HEADS UP TO 31/03/2019
Amount in lakhs of Rs.

S.No.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2019	Physical Progress	Remarks
II GAUGE CONVERSION							
5	Tiruchchirappalli - Manamadurai - Gauge Conversion (150 Kms.) (PB No.16)	504.59	2000-01	2008	394.43	100%	Section Commissioned.
6	Villupuram-Katpadi - Gauge Conversion (161 Kms) (PB No.17)	645.5400	2000-01	2011	671.77	100%	Section Commissioned.
7	Manamadurai - Virudunagar - Gauge Conversion (66.55 Kms) (PB No.18)	180.2658	2006-07	2013	4.18	98%	Section Commissioned.
8	Dindigul - Pollachi - Palaghat & Pollachi-Coimbatore-Gauge Conversion (224.88 Kms) (PB No.19)	677.99	2006-07	2017	501.44	98%	All sections Commissioned.
9	Mayiladuturai - Thiruvavur - Karaikkudi and Tiruturai - Agastiyampalli (223.69 km) & restoration of Nidamangalam - Mannargudi line (13.25 km), Mannargudi - Pattukkottai (41.00 km) & Thanjavur - Pattukkottai (51.80 km) Total = 329.74 km(PB No.20)	753.55	2007-08		743.75	60%	Mayiladuturai - Thiruvavur (GC) (38 km.), Nidamangalam-Mannargudi (NL) (13 km.) & Pattukkottai-Karaikkudi (GC) (73 km) sections commissioned. Works on other GC sections are in progress. In Thiruvavur - Tiruturai (26 km, & Thiruthurai - Pattukkottai (50 km), works completed and the sections are planned for CRS inspection from 26.03.2019 to 29.03.2019. Regarding Thiruthurai - Agastiyampalli (37 km), works are in progress and initially targeted for completion in February 2019 postponed to February 2020 due to delay in obtaining earth permit & one set of monsoon. Thanjavur - Pattukkottai (MM) DE for Rs. 467.62 cr. sent to Board for sanction on 27.03.2015. Reg. Mannargudi- Pattukkottai (MM), DE for Rs. 257.82 cr. (excl. part DE of Rs. 19.03 already sanctioned) sent to Railway Board. Board returned the DE for recast. Now, DE has been for Rs. 592.26 cr. and is under Finance vetting.
10	Madurai - Bodinayakanur (90.41 kms) (PB No.21)	285.72	2008-09		129.55	30%	Detailed estimate for Rs. 302.90 sanctioned by Board on 15.12.2016. All works are progressing well, Madurai - Usilampatti (37 km) originally targeted for completion in February 2019 is extended to December 2019 and Usilampatti-Bodinayakanur (53 km) is planned for completion in March 2020.
3 DOUBLING							
1	Calicut-Mangalore (PB No.22)	617.8812			620.15		-
2	Attippattu - Korukkupet Third line (18 Kms) (RVNL Funded Project, being executed by S.RLY) (PB No.23)	1.62	1999 - 2000		153.46	93%	Korukkupet - Ennore section (12 kms) opened for traffic and handed over to the open line. Ennore-Attippattu Pudunagar section (4.3 km) passenger traffic commissioned on 10/11/2014 and balance section between Attippattu Pudunagar & Attippattu is in progress.
3	Chennai Beach - Korukkupet III line (4.1 kms) (PB No.24)	105.29	2003 - 04		124.87	90%	NI works at Chennai Beach, Royapuram & Washermenpet completed on 31.03.2019. Residual works in progress. Likely to be commissioned in May 2019.

PROGRESS OF MAJOR PROJECTS COSTING OVER RS.20 LAKHS & ABOVE UNDER VARIOUS PLAN HEADS UP TO 31/03/2019

Amount in lakhs of Rs.

SNo.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2019	Physical Progress	Remarks
III DOUBLING							
4	Cheppad-Kayankulam (PB 25)	20.93			55.07		
5	Mavelikara-Chengannur (PB 26)	49.83			98.09		
6	Cheppad-Haripad (PB 27)	16.06			38.19		
7	Chennai Beach - Attippattu 4th Line (22.1 Kms) (PB No.28)	59.06	2003-04		191.30	85%	Attippattu Pudunagar-Ennore 4.3 km. (10.11.2014). Ennore-Tiruvottiyur- (7 km.) (31.03.2017) & Tiruvottiyur-Korukkupet 5 km. (30.12.2018) commissioned. In Korukkupet-Chennai Beach (4.1 km.) NI works at Chennai Beach, Royapuram & Washermenpet completed on 31.03.2019. Residual works in progress. Likely to be commissioned in May 2019. In Attippattu Pudunagar-Attipattu (1.7 km.) works are progressing. acquisition of 0.5885 Ha. oa patta land and transfer of 0.2830 Ha. of poromboke (Govt.) land and acquisition of 0.0969 Ha. of temple land (Hindu Religious & Charitable Endowment Department) Totalling to 0.9675 Ha of land in Tiruvotriyur, Ernavur & Tondiarpet villages of Tiruvallur & Chennai Districts are to be expedited as the process has already started. 3.(1) notification for Tiruvottiyur & Ernavur villages in Tiruvallur Districts has been published by Govt. of Tamil Nadu and award to be passed.NSanction for alienation of Govt. poromboke land in the above villages is awaited.NSanction of Tamilnadu Govt. is required for HR&CE land in the above villages for which separate.
8	Madurai - Dindigul (62.05 kms) (PB No29)	279.05	2003 -04	2009	2.14	100%	Section Commissioned.
9	Mulanturutti-Karuppanthara- (PB 30)	132.51	2009	2016	276.58	100%	PVRD-KRPP commissioned on 01.10.2016.
10	Chinganur-Chingavanam (PB 31)	151.72			364.90		-
11	Kankanadi-Panambur (PB 32)	176.78			179.89		-
12	Chengalpattu - Villupuram doubling (103 km) - with new Material Modification for Tambaram - Chengalpattu - 3rd line by GC of existing MG line along with electrification (30 km). (PB No.33)	414.68	Supp. Demands for grants 2006-07		693.32	91%	Revised estimate sanctioned. Chengalpattu-Villupuram (103 km) section commissioned & handedover to Open line Organisation. Detailed estimation for Tambaram-Chengalpattu 3rd line (MM) for Rs. 255.68 cr. sanctioned. All the works are in progress 0.30 acre of land to be acquired from NHAI for which request has been given. Singaperumal Koil-Guduvancheri (11km) stretch originally targeted for completion in February 2019 got extended to August 2019 in which works are progressing well.
13	Karuppanthara-Chingavanam (PB No.34)	190.14			336.48		
14	Ambalapuzha-Haripad (PB No.35)	100.92			259.55		

PROGRESS OF MAJOR PROJECTS COSTING OVER RS.20 LAKHS & ABOVE UNDER VARIOUS PLAN HEADS UP TO 31/03/2019

Amount in lakhs of Rs.

S.No.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2019	Physical Progress	Remarks
III DOUBLING							
15	Villupuram- Dindigul (with Electrification. 273 Kms) (PB No.36) [RVNL project]	1346.00	2008-09	2018	1607.57	99%	All sections commissioned.
16	Tiruvallur- Arakkonam 4th line(26.83 Kms) (PB No.37) [RVNL project]	218.45	2008-09	2016	162.95	100%	Project is being executed by RVNL Tiruvalangadu – Arakkonam section (10 km) commissioned in September 2012. Tiruvallur – Tiruvalangadu (17 km) section commissioned on 10/07/2016.
17	Omalur - Mettur Dam - doubling with electrification (28.93 km) (PB No.39)	185.29	2011-12		139.48	30%	All works are in progress. Targeted section : Melur Targeted section : Mettur Dam-Mecheri Road (12.71 km) initially targeted for completion by March 2019 got extended to December 2019. Land to an extent 30.36 acres is required 3(1) notification issued for all 6 villages by TN Govt. and land received for 5 villages for which award enquiry completed by District Revenue Officer, Salem. Regarding the balance 1 village, valuation proposal is yet to be approved by CLA. Non-targeted section : Mercheri Road-Omalur (16.22 km) - Works are in progress. Land to an extent of 15.57 acres is required for which 3(1) notification has been issued for all 9 villages and land received 5 villages.
18.	Kumbakonam- Thuravur (PB 40)	50.00	2010-11		9.59	1%	FLS in Progress.
19	Thanjavur - Ponmalai - Doubling (46.96 km) with bye-pass line before Ponmalai (1.13 km) (PB No.41) (RVNL)	80.00	Supp. Demand of 2011-12	2018	293.80	98%	All sections commissioned.
20	Chennai Central- Basin Bridge (PB 42)	265.32			28.00		-
21	Trivandrum- Kanniakumari (PB 43)	0.92			47.93		-
22	Madurai-Vanchi Maniyachchi- Tuticorin (158.81 km) (PB No.44) (RVNL)	30.00	2015-16		252.94	10%	Detailed estimate for Rs. 1182.31 cr. along with revised DPR sanctioned by Board. Work is being executed by RVNL. Works are progressing well.
23	Tiruvarur- Ambalapuzha (PB 45)	10.00	2015-16		0.13	1%	PLS in progress.
24	Vanchi Maniyachchi- Nagercoil (102.19 km) (PB No.46) (RVNL)	10.00	2015-16		0.50	10%	Detailed estimate for Rs. 1003.94 cr. along with revised DPR sanctioned by Board. Work tranferred to RVNL. Works are progressing well.
25	Netravati- Mangalore Central (PB 47)	0			1.34		
26	Salem - Magnesite Junction - Omalur (11 km) (Supp. Demand) (PB No.48)	76.43	Supp. Demand of 2016-17		3.48	0%	New work sanctioned vide Railway Board's letter No.2014/ W-I/DL/SR/SOM dt.29/09/2016 at an estimated cost of Rs.76.43 cr. Detailed estimate has been sanctioned by GM/MAS for Rs. 114.87 vide letter No. W/193/VII/6/CN dated 10.05.2017. Tender called for earthwork formation & minor bridges, ROB, LHS and opened on 15.03.2019.

PROGRESS OF MAJOR PROJECTS COSTING OVER RS.20 LAKHS & ABOVE UNDER VARIOUS PLAN HEADS UP TO 31/03/2019
Amount in lakhs of Rs.

S.No.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2019	Physical Progress	Remarks
IV MTP Works							
1	MRTS - PHASE - II : TIRUMAILAI TO VELACHERI (11Kms.) (PB No.MTP-1)	950.00	1996-97	2004	919.34	98%	Section commissioned. Revised estimate sanctioned for 906.62 cr. All left over works are in progress.
2	Chennai Beach - Tambaram - Chengalpattu Suburban Gauge Conversion (60 kms.) (PB No.MTP-2)	520.00	1998 - 99	2004	468.25	89%	Section opened for traffic on 01.11.2004. Provision of 14 ROB/RUBs in lieu of existing level crossings is also part of the project so as to estimate the level crossings in the Chennai Beach - Tambaram section. Out of 14 nos. 12 Nos. were completed & commissioned and 2 ROB/RUB are in progress. 1) Trisulam ROB - LC No. 22 - Approach GAD finalised by Railways & Highways. Works awarded and in progress. ii) Radha Nagar RUB - LC No. 27 - Box pushing work completed. Highways department yet to commence the approach work.
3	MRTS - PHASE - II - Extension from Velachery to St. Thomas Mount (5 kms) (PB No.MTP-3)	734.01	2006-07	-	451.40	60%	Stand alone portion of 500 m length could not be executed due to land acquisition problems. Land acquisition is affected due to court cases for a stretch of 0.500 km. length. Review prtion for enhancement of compensation over and above the rate fixed by Govt. of Tamil Nadu has been filed and hearing held on 12.02.2019., 19.02.2019 and last hearing held on 28.02.2019. In the mean time, 5 writ time, 5 writ appeals filed on 12.02.2019 & the cases were posted on hearing on 19.02.2019, 20.02.2019, & 27.02.2019 and finally the cases were disposed on 05.03.2019. 35 copy of judgement is yet to be received. In addition, 4 more writ appeals were filed, which came up for hearing on 08.03.2019 & the same were also disposed on the same day. Final hearing of review petition is yet to be decided.
V OTHER PLAN HEADS							
1	Arakkonam-straightening of roads 1 & 2 and extension of platform No. 1, 2 & 3 to 24 bogies (PB 53).	25.06	2007-08	2018	43.64	90%	All NI works have been completed. RRI Cabin completed. Booking office & circulating area in progress.
2	Tambaram development as Coaching terminal. (PB 54).	33.28	2008-09	2017	45.27	100%	Terminal commissioned on 07.08.2017.NWorks completed in all respects expect provision of fencing which is progress 99.90 %.
3	Ponmalai - Modernisation of workshop (CME) (PB).	114.65	-		77.59	86%	Civil Engineering works completed. Electrical works in progress.
4	Royapuram-Expansion of AC electric loco shed to increase loco holding from 50 to 100 (PB No.1061).	40.70	2008-09		39.08	75%	Phase II is in progress for medium and light bay. Extension of heavy lifting bay completed. Construction of store building completed. Extension of service building completed. Light lifting bay erection completed. Trck work completed. 50% M & P items have been received and the remaining are under various stages of procurement. Dining hall, receipt ward and oil lubrication room completed. BG for 2016-17 grossly insufficient to complete the work. Rs. 50.0 cr. needed in 2016-17.NOHE work commissioned LLB & MLB completed and commissioned. Tender called for BOSCH tank, wheel parking shed and loco washing shed and tender was discharged for want of revised estimate. Budget Grant of Rs. 1000 only allotted.NAdditional funds of Rs. 4.0 cr. is required. Revised estimate sanctioned by Board. Works to be taken up depending upon funds availability. Tender called for additional works covered in revised estimate. Tender opened & discharged. Fresh tender called, finalised & work awarded.

PROGRESS OF MAJOR PROJECTS COSTING OVER RS.20 LAKHS & ABOVE UNDER VARIOUS PLAN HEADS UP TO 31/03/2019

Amount in lakhs of Rs.

SNo.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2019	Physical Progress	Remarks
V OTHER PLAN HEADS							
5	Tondiarpet, Irumpunam, Jolarpet - Conversion of ROH depot from vacuum to air brake stock-maintenance facilities for repair of unloading wagons (PB No.1063)	51.68	2008-09		9.69	75%	Estimate sanctioned. Contract awarded for ROH shed at Tondiarpet Marshalling yard Dismantling of existing shed completed. Foundation for new shed completed. Erection of column completed. Erection of roof truss completed. Flooring completed. Track linking in shed portion completed. Laying of galvalume sheet completed. Tender called for other works at Joarpet & Tondiarpet Marshalling yard and work awarded.
6	Perambur loco works workshop (PB No. 1064)	81.09	2008-09		39.62	25%	Estimate sanctioned. Work completed for facilitation of complex (canteen), Time office, cycle stand, SSE/E office, modification to Trsin litht shop, group toilet. New paint shop completed. Tender for extension of Bogie repair shaop and air brake & Misc. shed opened and contract awarded. Drawing for service building for paint shop were approved and supper structure work completed. Pilling drawings for bogie repair shop, air brake approved. Works in progress. All piles completed. Fabrication of structural steel members completed. 14 piles yet to be done due to infringement of Grit Blast shed whereas new blasting shed completed and inaugurated by GM/SR on 08.02.2019.
7	Perambur - Modernisation of Carriage and wagon workshop (PB No. 1066)	57.44	2009-10		43.25	80%	Wagon repair shop & service building substation works completed. Foundation for CR shop completed. Roofing completed. Sunken pit completed. Febrication & erection completed. Priority for further works not yet communicated by CME, HCR, W & T shop, Store ward, Mezzanine floor completed for which agreement finalised. NCR shop pilling & pile cap completed and NCR shop inaugurated by GM/S.Rly. on 14.02.2019.
8	Erode (Diesel shed) Augmentation of homing capacity from 100 to 150 Locos(PB No.1067)	22.46	2011-12		15.33	100%	Issue ward building, Receipt ward building & Canteen building completed. LR & HR bay roofing completed. Workshop building completed. HR bay pit line 3, 4, 5 & 6 completed. LR bay 1 & 2 pit line completed. HR bay No. 3 - cat walk work completed. Agency fixed for PH. II works. Eletronic section - GF & FF completed. Lorry shed work completed. Bogie cleaningwork completed. All works completed.
9	Perambur -(Coach workshop)- shed for periodical overhauling for LHB coaches. (PB No.1072)	25.31	2016-17		8.88	40%	Work transferred from Mechanical Department. Detail estimate sanctioned. Contract awarded. Transit and LHB shed coloum & rafter erected. Pit line work in progress.
10	Basin Bridge (Coaching yard)- CAMTECH standard pit lines of 24-LHB coaches length in lieu of NL-9, NL-10 & NL-11 (2 Nos.)	42.54	2018-19		0	0%	Work transferred from Open Line during May 2018. GAD and detailed estimate are under process.
11	Perambur - Extension of wheel & tyre shop.	37.46	2018-19		0.00	0%	Work transferred from Open Line during May 2018. GAD and detailed estimate are under process. Civil estimate is under finalisation.
12	Perambur - New lift cum body repair shop for coaches.	32.76	2018-19		0.00	0%	Work transferred from Open Line during May 2018. GAD and detailed estimate are under process. Civil estimate is under finalisation.

PROGRESS OF MAJOR PROJECTS COSTING OVER RS.20 LAKHS & ABOVE UNDER VARIOUS PLAN HEADS UP TO 31/03/2019
Amount in lakhs of Rs.

SNo.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2019	Physical Progress	Remarks
V OTHER PLAN HEADS							
13	Perambur - New Railway Hospital Phase-II (PB No. 1112)	135.24	2008-09		90.28	45%	Ground floor, first floor, second floor, third floor, fourth floor & fifth floor roof slab of block A completed. Lift over head room slab completed, machine room completed. For B block, ground floor to 5th floor roof slab completed. Staircase head room works completed. Work is being planned for execution to the extent of availability of funds. Revised estimate is under vetting. Finishing works in G+3 to G+5 of L block are in progress. Finishing works are in progress in A & B block. Contract for block 'D' awarded. NPilling works completed. Contracts slowed down the work for want of fund.
14	Salem - Setting up of New Division (PB No. 1183)	37.91	Supp. Demands for grants 2006-07	2016	36.18	98%	The ground Floor, FF & SF of the divisional office building completed & occupied by Division. DRM Bungalow work completed. Quaters Type V - 8 units, Type IV 12 units, Type-II 30 units & Type III - 16 units completed & occupied. Revised Estimate for Rs. 37.91 cr. sanctioned.

6. Remodelling and Construction of Yard 2019-20**(I) Works Completed**

Sl. No.	Division	Station	Name of work	Estimate cost Rs. in lakhs
(a) Works costing more than Rs. 5 lakhs each-				
1. MAS		-		
2. SA		-		
3. PGT		-		
4. TVC		-		
5. TPJ		Remodeling of KDU, MEJ, TIP, GDN, TAY, TEN, KPM, TMQ, KGD, VPT & TY yards have been completed during 2020-2021. NRK station is remodelled as Halt Station.		
6. MDU		-		
7. CE/CN/ERS		KTYM Yard		
8. CE/CN/MS		-		
9. MTP		-		
(b) Works costing less than Rs. 5 lakhs each-				
1. MAS		-		
2. SA		Laying concrete pavement (Old demolished toilet area) and stainless steel barricade near selfie point at ONR circulating area.		3.41
3. PGT		-		
4. TVC		-		
5. TPJ		-		
6. MDU		-		
7. CE/CN/ERS		KTYM Yard		
8. CE/CN/MS		-		
9. MTP		-		

6. Remodelling and Construction of Yard 2019-20**(II) Works in Progress**

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

7. Line Capacity Work 2019-20

Sl. No.	Division	Station	Name of work	Estimate cost Rs. in Lakhs
I. Provision of New loops				
(A) Works completed				
(a) Works costing more 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	..
(b) 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	..
(B) Works in progress				
(a) 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	..
(b) 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	..
II. Extension of Loops				
(A) Works completed				
(a) Works costing more 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	..

Sl. No.	Division	Station	Name of work	Estimate cost Rs. in Lakhs
(b) Works costing more 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	..
(B) Works in Progress				
(a) Works costing more 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	..
(b) 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	..
III. Provision of Crossing Station				
(A) Works Completed				
(a) Works costing more 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	..
(b) 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	..

7. Line Capacity Work 2019-20

Sl. No.	Division	Station	Name of work	Estimate cost Rs. in Lakhs
(B). Works in Progress				
(a) Works costing more 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	..
(b) Works costing more 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	..
IV. Conversion of ' D ' station in to crossing station				
(A) Works Completed				
(a) Works costing more 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	..
(b) 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	..
(B) Works in progress				
(a) Works costing more 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	..

Sl. No.	Division	Station	Name of work	Estimate cost Rs. in Lakhs
(b) Works costing more 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	..
V. Additional Traffic Facilities				
(A) Works Completed				
(a) Works costing more 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	..
(b) Works costing more 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	..
(B) Works in progress				
(A) Works costing more 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	..	Kochuveli - Proposed Second Coaching Terminal Facilities - Phase II	..
8.	CE/CN/MS	..	Nil	..
9.	MTP	..	Nil	..
(b) 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	..

7. Line Capacity Work 2019-20

Sl. No.	Division	Station	Name of work	Estimate cost Rs. in Lakhs
VI. Provision of Goods shed, Pit line, etc.,				
(A) Works Completed				
(a) Works costing more 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 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	..

Sl. No.	Division	Station	Name of work	Estimate cost Rs. in Lakhs
(B) Works in progress				
(a) Works costing more 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	..	ERM Pit line	1966.33
8.	CE/CN/MS	..	Nil	..
9.	MTP	..	Nil	..
(b) 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	..

8. Doubling of Lines 2019-20

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 2019–20							
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 Lines 2019-20

(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 2018–19							
2. Doubling in Progress							
1	MAS	Nil					
2	SA	Nil					
3	PGT	Nil					
4	TVC	Nil					
5	TPJ	Nil					
6	MDU	Nil					
7	CE/CN/ERS	HAD-AMPA	18.14	85%	14.03.2020	Down line	Down line completed 100% Up line is in progress - 70%
		TVC-CAPE- Doubling	86.56	25%			..
		MAJN-PNMB	18.66	88%			16.368 Km. out of total 18.66 Km
		NTVT-MAQ Doubling	1.66	32%			commissioned and opened for traffic.
8.1.1	CE/CN/MS	Chennai Beach - Korukkupet III line (4.1 kms) (PB No.17)		96%	27/06/19	27/06/19	NI works at Chennai Beach, Royapuram & Washermanpet completed on 31/03/2019. CRS inspected the section on 24/05/2019 and authorised the section for commissioning of Passenger Traffic. Section commissioned on 27/06/2019. Residual works are in progress.
8.1.2		Chennai Beach - : Attippattu 4th Line (22.1 Kms) (PB No.19)			—	ENR-AIPP 10/11/14	20.40 km out of 22.10 km have been commissioned as under : Attippattu Pudunagar-Ennore (4.3 km) - 10.11.2014. Ennore-Tiruvottiyur (7 km) - 31.03.2017. Tiruvottiyur -Korukkupet (5 km) - 31.12.2018. Korukkupet-Chennai Beach (4.1 km) - 27.06.2019. In the balance section viz., Attippattu Pudunagar-Attippattu (1.7 km), works are in progress and targetted for commissioning by April 2020. Land acquisition of patta land of 0.2390 Ha in Tiruvottiyur, 0.0895 Ha in Ernavur and 0.0537 Ha in Tondiarpet villages and Temple land (Hindu Religious and Charitable Endowment Department) 0.0710 Ha in Tiruvottiyur village, thus accounting to 0.4532 Ha are required to be acquired in Chennai District by TN Govt. & handed over to Railways. In addition, the poramboke land of 0.2868 Ha in Tiruvottiyur and Ernavur and Ernavur village is to be alienated from State Government of Tamil Nadu in Chennai District. However this does not affect commissioning of 4th line. Regarding Land Acquisition, GoTN vide G.O no.451 dt.05.12.2019 has informed that consequent on the enactment of the Tamilnadu Act 38 of 2019, the Land Acquisition proceedings which are now pending under Tamilnadu Acquisition of Land for Industrial Purposes Act, 1997 can be continued under the same act and final orders be passed thereon, by applying the provisions relating to determination of compensation, as specified in the First schedule,
					—	TVT-ENR : : 31/03/17	
					—	KOK-TVT 30/12/18	

8. Doubling of Lines 2019-20

(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 2019–20							
							rehabilitation and resettlement as specified in the Second schedule and infrastructure amenities as specified in the Second schedule and infrastructure amenities as specified in the Third schedule of the said Central Act 30 of 2013.
8.1.3	CE/CN/MS	Chengalpattu - Villupuram doubling (103 km) - with new Material Modification for Tambaram - Chengalpattu-3rd line by GC of existing MG line along with electrification (30 km) (PB No.33)	91%		CGL-VM:	27/09/2015	Revised estimate sanctioned on 12.11.15. Chengalpattu-Villupuram (103 km) section commissioned. Detailed estimate for Tambaram-Chengalpattu 3rd line (MM) for Rs.255.68 cr. sanctioned. All the works are in progress. 0.12 ha of land to be acquired from State Highways for which request has been given on 28/02/2018. Singaperumal Koil-Guduvancheri (11 km) stretch is targeted for completion in March 2020. NI work at GI completed on 17/11/19. In Tambaram-Guduvancheri (11 km) (TDC:June-2020) & Singaperumal Koil-Chengalpattu (7 km) (TDC:April 2020), works are in progress. Earthwork contractor M/s Excel Engineering brought court orders of Status quo as on 04.11.19 for new tender and created hindrance for EW and stopped the ongoing earthwork. Now, the contractor has withdrawn all the the court cases and re-commenced the work.
8.1.4	CE/CN/MS	Omalur-Mettur Dam - doubling with electrification (28.93 km) (PB No.29).		35%	-	-	(i) Mettur Dam-Mecheri Road (12 km): Works are progressing well. Land already received in 5 out of 6 villages. Regarding the balance 1 village (Kalipatti), 3.01 Ha of land required, which covers 2.105 km track length has been received on 25.02.2020. TN Govt. has decided to proceed with all pending land acquisition works in respect of on going railway projects on 08.01.2020. Kalipatti village proposal submitted to CLA On 27.01.2020 by DRO/SA to pronounce the final award. Railway has to deposit the amount of Rs .7 crores to dispose the money to land owners. (ii) Mecheri Road-Omalur (17 km): Works are in progress. All required land received except a balance of 2.57 Ha, which covers 4.7 km track length. TN Govt. has decided to proceed with all pending land acquisition works in respect of on going railway projects on 08.01.2020. Requested DRO on 20.01.2020 to pronounce award. Railway has to deposit the amount of Rs.7 Crores to dispose the money to land owners.

8. Doubling of Lines 2019-20

(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 2019–20							
8.15	CE/CN/MS	Madurai - Vanchi Maniyachchi-Tuticorin (158.81 km) (PB No.32) (RVNL)				-	Detailed Estimate for Rs.1182.31 cr. along with revised DPR sanctioned by Board. On 28.;08.2017. RVNL has been entrusted to execute the project. Contracts have been awarded for execution of works form Madurai to Tuticorin and the works have been taken up. It is proposed to commission Kadambur - Tattapparai (30 Km.) by March 2020.
8.16	CE/CN/MS	Vanchi Maniyachchi-Nagercoil Tuticorin Dindigul (102.19 Kms) (PB No.34) RVNL).				-	Detailed Estimate for Rs.1003.94 cr. along with revised DPR sanctioned by Board on 28;.08.2017. RVNL has been entrusted to execute sthe project. Contracts have been awarded for execution of works from Milavittan to Nagercoil and the workis have been taken up. IOt iws proposed to commission Vanchi Maniyachchi - Gangaikondan (14 km) in this current financial year 2019-20.
8.17	CE/CN/MS	Salem - Magnesite Juction - Omalur (11 km) (Supp. Demand) (PB No.36)	5%		—		Detailed estimate has been sanctioned for Rs.114.87 crores on 10/05/2017. Land to an extent of 11.81 acres required for which Land Plan Schedule submitted to District Collector on 09/11/ 2019. Tender for earthwork formation & minor bridges, ROB, LHS awarded & works are progressing. Regarding Land Acquisition, GoTN vide G.O no.451 dt.05.12.2019 has informed that consequent on the enactment of the Tamilnadu Act 38 of 2019, the Land Acquisition proceedings which are now pending under Tamilnadu Acquisition of Land for Industrial Purposes Act, 1997 can be continued under the same act and final orders be passed thereon, by applying the provisions relating to determination of compensation, as specified in the First schedule, rehabilitation and resettlement as specified in the Second schedule and infrstructure amenities as specified in the Third schedule of the said Central Act 30 of 2013.
9	MTP	-					

3. Doubling completed

1	MAS	-					
2	SA	-					
3	PGT	-					
4	TVC	-					
5	TPJ	-					
6	MDU	Doubling track between MPA-KFC stations.	22km.				Commissioned on 7.6.17 with electrification
7	CE/CN/ERS	-					
8	CE/CN/MS	-					
9	MTP	-					

9. Siding 2019-20

Sl. No.	Division	Name of work	Estimated cost Rs. in Lakhs
I Private siding.			
A Works in Completed			
(a) Works costing more than 5 lakhs each—			
1.	MAS	Nil	
2.	SA	Provision of concrete pavement at unloading platform SAMT.	190.11
3.	PGT	Nil	
4.	TVC	Nil	
5.	TPJ	Nil	
6.	MDU	Proposed Oil Siding (HPCL) at Kappalur take of from TDN station.	4000.00
7.	CE/CN/ERS	Nil	
8.	CE/CN/MS	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	Nil	
7	CE/CN/ERS	Nil	
8	CE/CN/MS	Nil	
9	MTP	Nil	
B Works 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	-	
(a) 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	

9. Siding

Sl. No.	Division	Name of work	Estimated cost Rs. in Lakhs
II. Assisted siding			
A Works in Completed			
(b) Works costing more 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/CRS	Nil	
8	CE/CN/CN	Nil	
9	MTP	Nil	
(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 Progress			
(a) Works costing more 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 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	

9. Siding 2019-20

Sl. No.	Division	Name of work	Estimated cost Rs. in Lakhs
III Works under development.			
A Works Completed.			
(a) Works costing more 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		
8	CE/CN/MS	Nil	
9	MTP	Nil	
(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 ₹ 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 costing less than ₹ 5 lakhs each—			
1.	MAS	Nil	
2.	SA	Morappur - FCI Siding.	
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	

9. Siding

Sl. No.	Division	Name of work	Estimated cost Rs. in Lakhs
IV Railway Sidings			
A Works Completed.			
(a) Works costing more 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 costing less than Rs. 5 lakhs.			
1	MAS	-	
2	SA	Morappur - FCI Siding.	
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 ₹ 5 lakhs each—			
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	-	

10. Strengthening of Track 2019-20

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	All Divisions	39	15637.90	..	..	53	18645.65	..	..

10. Strengthening of Track 2019-20

Sl. No.	Division	Works Completed				Works in Progress			
		more than ₹ 5 lakhs		less than ₹ 5 lakhs		more than ₹ 5 lakhs		less than ₹ 5 lakhs	
		No. of Works	Aggregated Cost (₹ in lakhs).	No. of Works	Aggregated Cost (₹ in lakhs).	No. of Works	Aggregated Cost (₹ in lakhs).	No. of Works	Aggregated Cost (₹ in lakhs).
1	MAS	—	—	—	—	—	—	—	—
2	SA	1	33.00	—	—	1	34.14	—	—
3	PGT	7	2897.00	—	—	19	4859.00	—	—
4	TVC	—	—	—	—	2	318.38	—	—
5	TPJ	23	5823.90	—	—	21	6747.13	—	—
6	MDU	8	6884.00	—	—	10	6687.00	—	—
7	CE/CN/ERS	—	—	—	—	—	—	—	—
8	CE/CN/MS	—	—	—	—	—	—	—	—
9	MTP	—	—	—	—	—	—	—	—
	Total	39	15638	0	0	53	18646	0	0

11. Fencing 2019-20

Sl. No.	Division/Station	Name of work	Cost of Rs.
(A) Works Completed			
(a) Works Costing more than Rs.5 lakhs each			
1	MAS	MAS-GDR section.ADEN/SPE Sub-division.Construction of compound wall Rail Fencing.	
2	SA	-	
3	PGT	-	
4	TVC	QLN- Construction of boundary wall around division	51.22
5	TPJ Compound wall..		1.70
6	MDU	SSE/W/DG -Repairs to compound wall from DG/ROB to MDU end	39.00
7	CE/CN/MS	-	
8	CE/CN/ERS	(i) HAD-AMPA - Doubling	33.00
		(ii) TVC-CAPE - Doubling.	60.00
9	MTP	-	

11. Fencing 2019-20

Sl. No.	Division/Station	Name of work	Cost of Rs. (in Thousands)
(b) Works Costing less than ₹ 5 lakhs each			
1	MAS	(i) Compound wall - CGL Crash barrier barricading Road - 9	3.50
2	SA	Construction of compound wall between IGU-CBF - 855.0 mtr.	
3	PGT		
4	TVC		
5	TPJ		
6	MDU	(i) Repairs to Boundary wall at MPA/ROB	4.16
		(ii) Repairs to compound wall at SSE/Electrical/O/DG.	0.98
		(iii) Repairs to compound wall at circulating area	3.35
7	CE/CN/MS		
8	CE/CN/ERS		
9	MTP		
(A) Works in Progress			
(a) Works Costing more than Rs. 5 lakhs each			
1	MAS	(i) PER - Compound wall	
		(ii) Sterling Garden - Compound wall	
		(iii) TRT- Compound wall	
		(iv) Nagari - Compound wall	
		(v) WST - Compound wall	
		(vi) NWL - Compound wall	
		(vii) JTJ - Reconstruction of compound wall at Edayampatti and East Colony.	
		(viii) CGL - Repairs to compound wall & Back yard Roofing.	
		(ix) MSB-MS - Compound wall.	
		(x) PER - Compound wall (730 of PB 14-15).	
2	SA		
3	PGT	TLY & TIR - Improvements to platform fencing with RCC Pale fencing at various station	42.86
4	TVC		
5	TPJ	Compound wall	600.00
6	MDU	Boundary wall/Fencing to prevent encroachment on Railway land-Proposed boundary wall in between Madurai, Madurai East station & Manamadurai Colony.	20.83
7	CE/CN/MS		
8	CE/CN/ERS		
9	MTP		
(A) Works in Progress			
(a) Works Costing more less Rs. 5 lakhs each			
1	MAS		
1	MAS		
2	SA		
3	PGT		
4	TVC		
5	TPJ		
6	MDU	Construction of boundary wall (as per Type Plan No.23/2013)	4.00
7	CE/CN/MS		
8	CE/CN/ERS		
9	MTP		

12 - Running Shed Facilities 2019-20

Sl. No.	Division/Station	Name of work	Cost of ₹ (in Thousands)
I. Works completed			
(a) Works costing more than Rupees 5 lakhs each.			
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 Rupees 5 lakhs each.			
1	MAS	-	-
2	SA	Loco Shed Yard flooring concrete and obseration room UPVC Windows	4.96
3	PGT	-	-
4	TVC	-	-
5	TPJ	-	-
6	MDU	SSE/W/DG - Colour washing and floor tiles repaires work	4.11
7	CE/CN/ERS	-	-
8	CE/CN/MS	-	-
9	MTP	-	-
II. Works in Progress			
(a) Works costing more than Rupees 5 lakhs each.			
1	MAS	AVD: Expansion of Inspection shed as stabling lines for 12 car rake facility	
2	SA	ED - Creation of IOH facilities with two pitlines of one coach length at Erode Sick Line.	188.00
3	PGT	SRR - Berthing and testing facilites for 140 tonne crane	54.05
4	TVC	-	-
5	TPJ	-	-
6	MDU	SSE/W/TEN - Additionaal beds to Running Rooms - Part-II - Construciton of Running Room at Milalvittan & Tuticorin.	309.37
7	CE/CN/ERS	-	-
8	CE/CN/MS	-	-
9	MTP	-	-
(b) Works costing less than Rupees 5 lakhs each.			
1	MAS	-	-
2	SA	-	-
3	PGT	-	-
4	TVC	-	-
5	TPJ	-	-
6	MDU	-	-
7	CE/CN/ERS	-	-
8	CE/CN/MS	-	-
9	MTP	-	-

13 PROVISIONAL IMPROVEMENTS TO OFFICES, STORES AND WORKSHOP ETC.—2019-20

Sl. No.	Division/Station	Name of work	Cost of Rs. (in Lakhs)
A. Works completed.			
a. Works costing more than Rs.5 lakhs each.			
1	MAS	- Stores:(A) (i) Perambur GSD construction of new building to replace existing RSG Main ward (26x20m)	
		- (ii) RCC Roofing strong room facility store non-ferrous scraps.	
		- (B) Perambur (GSD) - Main office building for Deputy Chief Material Manager.	
		- (C) Officers:NGO - Repair works.	
2	SA	- (i) Augmentation of Auxillary Block in Electric Loco Shed	82.00
		- (ii) Building for provision of dual detector for on girder bridge.	28.00
		- (iii) 18 No. Through Zonal - D work	72.60
		- (iv) 16 No. Through Zonal - D1 (Workshops)	45.00
3	PGT	- SRR - Provision for store shed for SSE/P.Way/SRR.	13.15
4	TVC	- (i) Epoxy treatment and painting of Divisional Office.	50.06
		- (ii) Varkala Siva Giri - TVC Pettah Sub section	42.60
		- (iii) ERS - Extension of Parcel Shed	24.09
		- (iv) QLN - Modification of small track machine office.	21.83
		- (v) NCJ - Creation of proper AC coach maintenance facilities.	85.41
		- (vi) ERS Repair and Improvements to ERM Coaching Depot.	
		- (vii) Trivandrum - Extension of existing personal Branch service register room and APO room.	27.72
5	TPJ	- (i) GOC - CWS/GOC - Proposed covered shed over Bio toilet cleaning area of 15x10 m size and providing CC floor for unloading Bio Tanks.	61.04
		- (ii) TPJ - Tiruchchirappalli - Construction of shed for berthing 140 t Cranes & allied facilities at Goods Yard.	240.26
6	MDU	- SSE/W/SCT - (i) Repairs to all service building at SCT:SSE/W/O, SSE/P.Way, Duty SM Office, SMR Room, RRI Cabin, SSE/E/Office, SSE/C&W Office, ADEN/Office etc.	20.00
7	CE/CN/ERS	-	
8	CE/CN/MS	-	
9	MTP	-	
B. Works costing less than Rs.5 lakhs each			
1	MAS	-	
2	SA	- Provision of Staff Rest Room in Loco Shed at ONR	4.84
3	PGT	- (i) SRR -Repairs to rain water harvesting system at ADEN/O/SRR	1.40
		- (ii) SRR - Repairs to rain water harvesting system at SSE/Elec/O/SRR	0.86
		- (iii) PTB - Repairs to S & T Room at PTB	0.65
		- (iv) Repairs to toilet of SSE/Signal office	0.95
		- (v) TIR - Repairs to rain water harvesting system at SSE/P.Way/O/TIR	0.62
		- (vi) VLI - Repairs to rain water harvesting system at Station Building	0.41
		- (vii) PGI - Repairs to ESM room and OFC Room	1.53
		- (viii) SRR - Repairs to RRI Cabin Window	2.12
		- (ix) SRR - Repairs to roof of signal office store	3.79
		- (x) SRR - Repairs to roof of RRI Cabin	3.90
4	TVC	-	
5	TPJ	-	
6	MDU	- SSE/W/VPT(i) VPT - Repairs to toilet, flooring, leaky roof of tiffin shed at SSE/PW/O/VPT.	3.02
		- (ii) SVKS - Repairs to flooring, CB arrangements and SSE/JE/PW room & Trolley Man room in SSE/P/O/SVKS.	0.56
		- SSE/W/DG(iii) Repairs to Workshop floor and lorry shed floor at SSE/TRD/O/DG.	0.58
7	CE/CN/ERS	-	
8	CE/CN/MS	-	
9	MTP	-	

13 PROVISIONAL IMPROVEMENTS TO OFFICES, STORES AND WORKSHOP ETC.—2019–20

Sl. No.	Division/Station	Name of work	Cost of Rs. (in Lakhs)
B.Works in Progress			
Works costing more than Rs.5 Lakhs each.			
1	MAS	(i) TNP - Diesel Stores Depot - Construction of Office Building. (ii) NGO Building - Improvements of ceiling surface structural members, Interior surfaces, North-West corner staircase, roof & Strengthening of North East Corner Staircase wall and improvements to flooring, sunshade etc. (iii) MS-REP SSE/W/Br Office. (iv) TBM - SSE/P.Way Office. (v) MAS Parcel Office (1621 of LAW 14-15) (vi) EWS & FBW AJJ - Stacking PF (1083 of LAW 10-11 & CN Funds EST) (vii) Wheel Lathe - ELS AJJ (1378 of LAW 14-15) (viii) TNP Diesel LOCO Shed - Proposed effluent treatment facilities to control water pollution. (ix) PON - Reconstruction of OHE Tower wagon shed @ PON Tower Wagon Shed.	
2	SA	(i) Augmentation of 3 Phase Loco Building in Electric Loco Shed. (ii) Maintenance of Electric Locomotives in Diesel Shed, Erode. (iii) Construction of Office for SSE/P.Way/ED.	178.50 132.00 24.00
3	PGT	PGT - Minimum Essential Facilities for inspection of 8 Car MEMU Unit Rake (including Electrical works).	815.16
4	TVC		
5	TPJ	(i) TPJ - New Wagon Sick lines and infrastructure facilities for the maintenance of BG wagons at TPGY. (ii) TPJ - Construction of Rolling - in - Examiners Huts - 25 Nos. at TPJ, VM, PDY, TJ & MV Jn Yards. (iii) GOC - Proposed provisions & Infrastructure for maintenance facilities for AC Locos in Diesel Shed at GOC. (iv) TPJ - Automatic Coach Washing Plant at Coaching Depot/TPJ. (v) TPJ-Augmentation of capacity of Pit lines and provision of portal in DEMU Pit at Coach Maintenance Depot.	399.98 8.83 249.95 226.07 226.03
6	MDU		
7	CE/CN/ERS		
8	CE/CN/MS		
9	MTP		
b. Works costing less than Rs.5 lakhs each			
1	MAS		
2	SA		
3	PGT		
4	TVC		
5	TPJ		
6	MDU	SSE/W/TEN(i) SVV station - Improvements to Senior Section Engineer/P.Way/Office.	5.00
7	CE/CN/ERS		
8	CE/CN/MS		
9	MTP		

14. Flood Investigation and related subjects 2019-20**A. A Review of Vulnerable Bridges and Reaches :**

(i) 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.

(ii) During the year 2019-2020, Flood Organization has carried out the following investigation/studies.

- Detailed investigation to assess the waterway requirement for 46 Nos. bridges for Rebuilding.
- Detailed studies to clear the GADs of 26 major bridges. (21 bridges for open line and 5 bridges for CN/RVNL).
- Submission of 52 cases for flood clearance to issue NOC for structures sought by State/Private parties.
- Detailed studies to clear 2 No. of siding proposal on flood point of view submitted by division.

B. River Gauging and Survey Works :

During the monsoon of 2019-2020, 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, Puducherry, Andhra Pradesh and Karnataka.

During the year 2019-20 the above meeting was held for Andhra Pradesh, Kerala and Karnataka on 15.05.2019, 21.05.2019 and 01.06.2019 respectively.

D. Manual of instruction for Railway affecting tanks :

The Manual of Instructions for Railway Affecting Tanks/Works pertaining to Tamilnadu, Andhra Pradesh, Karnataka, Union Territory of Puduchery and Kerala have been approved by the concerned State Governments and Government Orders issued and circulated among concerned officials.

E. Breaches and washaways

Details of breaches and water overflowing occurred during the year 2019-20 as follows :

Sl. No.	Division	Section	Date	Month	Year	Track Km.	Description of Damages
1	PGT	PTJ-SRR	8	8	2019	561/11-13 (Up Line)	Water overflowing
2	PGT	SRR-MAQ	8	8	2019	736/17-21 (Dn Line)	Water overflowing
3	PGT	SRR-MAQ	9	8	2019	596 (up & Dn Line)	Water overflowing
4	TVC	SRR-MAQ	9	8	2019	599/4-5	Water overflowing

14B Rehabilitation of Bridges : 2019-20

Sl. No.	Name of Work	No. of Bridges where work has been completed	No. of Bridges where work in progress
	(a) Regirdering		
	(i) Replacement of weak/corroded girders with New Girders	3	1
	(ii) Strengthening of weak/ Corroded Girders	0	0
	(b) Replacement of Existing Girders/ timber Top with RCC slab	3	0
14. B	(d) Repl. of existing weak/ corroded girders with new girders including Strengthening of Sub-Structures.	1	14
	(e) Rebuilding of existing weak bridges	48	23
	(f) Miscellaneous Bridge works including provision of centralised bearing, renewal of bed blocks, etc.,	1	0
	Total items (a) to (f)	56	38
14. C	Extension of existing bridges	0	0
14. D	Construction of new bridges	2	1
	Total ..	58	39

14 (E) (i) Road over Bridge and Road under Bridges in lieu of Level Crossings Cost sharing Basis 2019–20

(a) Work completed during 2019–20 : No. of Bridges : 5 (One)

1. TPJ Divn: Pro 2L ROB in lieu of LC.No.123 at Km.147/100-200 in bet. Kaniyambadi & Vellore Cantonment stations.

(b) Work in Progress during 2019–20 : No. of Bridges : 25 (Twenty Five)

1. MAS Division – Proposed ROB in lieu of LC.No.1(ICF Gate) @ km 8/34-36 between Perambur – Villivakkam stations in MAS –JTJ section.
2. SA Division – Pro ROB in lieu of LC.No.6(Cheran maa nagar) @ km 6/15-17 in between Singanallur – Pilamedu station in ED-CBE-PTJ section.
3. MAS Division – Proposed ROB in lieu of LC.No.21 at km 47/14-16 in between Tiruvalangadu and Kadambathur stations in MAS –AJJ section.
4. MAS Division – RUB in lieu of LC.No.9 at km 23/12-14 in between Avadi - Pattabiram stations in MAS –AJJ section.
5. MAS Division – Proposed RUB in lieu of LC.No.18 @ km. 19/600-700 between Guindy -St.Thomas Mount stations in MSB –TBM section.
6. MAS Division – Proposed RUB in lieu of LC.No.14 @ km. 16/8-10 between Guindy -St.Thomas Mount stations in MSB –TBM section.(Pachaiammann koil street)
7. TPJ Division – Proposed ROB in lieu of LC.No.128 @ km. 151/12-13 between Vellore -Katpadi stations in VM –KPD section.
8. MAS Division – Proposed ROB in lieu of LC.No.2 @ km. 1034-1035 in between Pattabiram – Pattabiram West stations in MAS –AJJ section.
9. SA Division – Proposed Pedestrian Subway in lieu of LC.No.10 @ km. 11/33-35 in between Irugur – Pilamedu stations in Irugur –Coimbatore section.
10. MAS Divn – ROB in lieu of LC.No.16 at km. 24/16-18 in between Minjur and Anuppambattu stations .
11. SA Division – ROB in lieu of LC.No.183 at km.189/500-600 near Salem Town in bet Ayodhyapattanam and Salem Town stations.
12. MAS Divn – ROB in lieu of LC.No.70 at km. 165/16-18 near Valathur in bet Melpatti and Melalathur stations with LUS.
13. MDU Divn – RUB in lieu of LC.No.6 at km. 3/100-200 in between Dindigul and Akkaraippatti stations.
14. CHENNAI-GUDUR section: Proposed 2L ROB in lieu of LC.No.14(Attipattu) at km.22/14-16 in between Attipattu – Minjur stations.
15. TPJ Division –Tiruchirappalli –Dindigul- 4 lane ROB in lieu of 2 lane bridge No.1136 near Tiruchirappalli Jn @km.340/600-700
16. MAS Divn – Pro 4L ROB in lieu of LC.No.29 at Km 35/800-900 in bet Kanchipuram East & Kanchipuram Rly stations.
17. MAS Divn – Pro 2L ROB in lieu of LC.No.26 at Km 35/6-8 bet Ponneri & Kavaraipettai Rly stns.
18. SA Divn – Pro 2L ROB in lieu of LC.No.21 at Km. 31/9-10 in between Mecheri Road and MetturDam Rly stns.
19. SA Divn – Pro 2L ROB in lieu of LC.No.142-A at Km. 466/21-23 in bet. Somanur& Sulur Road Rly stns.
20. TPJ Divn – Pro 2L ROB in lieu of LC.No.80 at Km. 99/100-200 at POLUR Yard.
21. SA Divn – Pro 2L ROB in lieu of LC.No.11 at Km. 26/100-200 in between Karamadai and Mettupalaiyam Rly stns.
22. TPJ Divn – Pro 2L ROB in lieu of LC.No.55 at Km. 67/100-200 in bet TANDARAI and TIRUVANNAMALAI stations.
23. MDU Divn – ROB in lieu of LC.No.6 at Km. 6/500-600 in between Palayankottai and Seydunganallur stations.
24. MDU Divn – Pro 2L ROB in lieu of LC.No. 449 at Km. 591/900-592/000 in bet Rajapalaiyam and Sankarankovil Rly stns.
25. PGT Division – Pro ROB in lieu of LC.No. 274@ km. 816/800-900 in between Kanhangad-Pallickere stations in SRR-MAQ section.

(ii) Road Over Bridges and Road Under Bridges on Deposit terms (NHAI) - 2019-20

(a) Work completed during 2019-20 : No. of Bridges : 2 (Two)

1. Pro : 6L ROB at km. Rly. km. 216/730 bet Kochuveli and Thiruvananthapuram Stations.
2. 4L ROB at km. in lieu of exg. LC 134 at km. 134/10-11 bet POLLACHI and KINATHUKADAVU.

(b) Work in progress during 2019-20 : No. of Bridges : 15 (Fifteen)

1. Addl 2L ROB to the existing ROB 194/A at Km. 132/16-18 Pudi - Renigunta.
2. TVC Divn. : Proposed addl. Two lane ROB at km. 55/200-300 in between Marikulam - Alleppey stations in ERS - ALLP - KYJ section (Deposit).
3. TVC Divn. : Proposed addl. Two lane ROB on New bye pass at km. 57/800-900 in between Punnapra - Alleppey stations in ERS - ALLP - KYJ section (New bye pass) (Deposit).
4. 4L ROB at Rly Km. 346/000 between Punggudi - Trichy stations.
5. Pro 4/6L ROB at Rly. Km. 75/090 in Theni yard.
6. 4L ROB at Km. 417/700-800 near Kumaramangalam
7. 2L ROB at Rly. km. 122/386 between Olakkur - Tindivanam
8. 2L ROB to the exg. ROB No. T/23A at Km 645/200-300. (Milevattan)
9. Pro. 6L ROB at Rly. km.292/700 between Nagercoil and Tovalai Stations (NCJ-TEN Section)
10. Pro. 6L ROB at Rly. km.297/700 between Nagercoil and Tovalai Stations (NCJ-TEN Section)
11. 4L ROB at km. 499/100-200 bet Karaikudi and Kallal
12. 2L ROB at km. 242/856-200 between Kagankarai and Samalpatti
13. 6L ROB in lieu of LC 37 Rly at km. 35/112-13 bet ODDANCHATRAM and CHATRAPPATTI
14. 6L ROB in lieu of LC 351 Rly at km. 429/3-4 bet Kumaramangalam - Keeranur stns
15. 6L ROB in lieu of LC 37 Rly at km. 35/12-13 bet ODDANCHATRAM and CHATRAPPATTI

(iii) Road Over Bridges and Road Under Bridges on Other than NHAI Deposit terms - 2019-20

(a) Work completed during 2019-20 : 5 (Five)

1. Proposed ROB at km. 2/500-600 near Jeppukudipadi between MAQ-MAJN (Deposit work for Mangalore Mangalore Corporation)
2. Pro. Additional two lane ROB to EXG. ROB No. 31A at km 7/7-8 between Madurai east and silaiman stns. Deposit work for TNRIDC
3. PGT Divn - Pro ROB at Rly km 834/400-500 in bet Kotikualam and Kalanad Rly stn in SRR - MAQ section (CHEMNAD Grama Panchayat - CHATHANKAI).
4. MAS Divn - Pro RUB at km 126/400-500 for VIT between Arakkonam and Jolarpettai stations.
5. PGT Division - Pro ROB at km 653/9 - 654/0 in between Kadalundi and Ferok stations in SRR - MAQ section.

(b) Work in progress during 2019-20 : No. of Bridges : 5 (Five)

1. SA Division - ROB at km. 445/19-21 between Tiruppur and Vanjipalayam stations in Erode - Irugur section (Chikkana Colege)
2. SRR-MAQ section - Proposed 1x33m span composite girder ROB at km. 623/300-400 between Tirur - Tirunavaya stations for widening of existing ROB No. 872A. (Deposit Work).
3. Proposed ROB at km. 32/400-500 near existig ROB No. 77 (Poothole) between Thrissur and Punkunnam stations.
4. Pro. Light Vechile ROB at km. 212/15-17 at Joarpettai yard.
5. PGT Division - Proposed LUS at Vadakkumbad at km. 652/500-600 in between Kadalundi and Ferok stations in Shoranur - Mangalore section.

Commissioned ROB / RUB's during 2019-20 : No. of Bridges : 12 (Twelve)

Sl. No.	State	Divn.	Section	LC No.	Name of Work	Sanctioned Year
1	TN	MDU	MDU-MNM	NA	4L ROB at km 18/700-800 bet. SILAIMAN and TIRUPPUVANAM Stns. Stations.	April – 19
2	KL	PGT	SRR-MAQ	NA	PGT Division - Pro ROB at km. 653/9-654/0 in between Kadalundi and Ferok stations in SRR-MAQ sections.	May – 19
3	TN	MDU	TPJ-DG	309	ROB in lieu of LC. No. 309 at km 431/900 432/0 in between (Dindugal yard)	21-06-19
4	TN	MDU	VPT-MEJ	403	ROB in lieu of LC. No. 403 at km 538/500 - 600 in Virudhunagar-Thulukkapatti stations.	21-06-19
5	TN	TPJ	VM-TPJ	ROB 380A	4 lane ROB in lieu of 2 lane bridge No. 380-A at km. 329/700-800 in between Srirangam - Tiruchchirappalli Town.	21-06-19
6	KN	PGT	MAQ-MAJN	NA	Proposed RUB at Km. 2/500-600 near Jeppukudipadi between MAQ-MAJN Deposit work for Mangalore Mangalore Corporation)	June-19
7	TN	TPJ	VM-KPD	126	Proposed road over bridge in lieu of LC No. 126, km. 149/900-150/0 at Vellore Yard.	26-08-19
8	TN	TPJ	VM-KPD	123	Proposed 2L ROB in lieu of LC. No. 123 at km 147/100-200 in between Kaniyambadi and Vellore Cantonment stations.	26-08-19
9	TN	PGT	POY-PTJ	134	ROB in lieu of LC No. 134 at km. 134/10-11 in between Pollachi and Kinathukadavu stations (One Arm).	Sep.'19
10	TN	MDU	MDU-VPT	NA	Pro. addl. 2L ROB on the left side of the exg. ROB No. 1523A at Km. 508/200-300 in between THIRUPANKUNDRAM and THIRUMANGALAM Rly. stations. (Kappaloor-Dep work for TNRIDC)	Sep.'19
11	KL	TVC	QLN-TVC	NA	Addl. 3L ROB to the exg. ROB at Rly. km. 216/730 between Kochuveli and Thiruvananthapuram Stations. (Chakka)	Dec.'19
12	KL	MDU	SCT-QLN	518	ROB in lieu of LC No. 518 at km. 717/2-3 in between Edamann and Punalur Stations in SCT – QLN Section. (PWD - road wing)	Jan.'20

15. Bridge Workshops (EWS/AJJ) 2019-20

(In Tonnes)

Sl. No.	Description of Item	2019-20	2020-21
1.	Fabrication of Bridge Girders	902.431	267.150
2.	Fabrication of Steel works - other than Girders like Foot Over Bridges, Platform Shelters, Flood Light Towers, Tanks & Steel Cribs, etc.,	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	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, Jimcrow, Lifting Barriers, Winches, Push Trolleys, Dip Lorries and Motor Trolleys, etc.,	1504.998	838.940
5.	Other items like Reconditioning of Sleepers, manufactureing of Skids, Beaters and other Miscellaneous items, etc.,	0	0
6.	(1) Manufacture of RCC Bridge Slabs	0	0
	(i) Manufacture of RCC Bridge Slabs - MG	0	0
	(ii) Manufacture of RCC Bridge Slabs - BG	0	0
	(iii) Manufacture of PSC- MG Sleepers (Post Tensioned)	0	0
	(iv) Manufacture of PSC- MG Mono Block Sleepers (Pre Tensioned)	0	0
	(v) Manufacture of MG - RCC Twin Block Sleepers	0	0
	(vi) Manufacture of RCC pipes of various diameter and Length.	0	0
	(vii) Speed breaker	0	0
	(viii) Curve Board	0	0
	(ix) CC platform shelter 2'x2'x3"	0	0
	(x) RCC slab 1'-6" x 1'6" x 0-4"	0	0
	(xi) CC paver blocks for LC's	0	0
	(xii) CC KM Post	0	0
Total		2407.429	1106.090

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
1	1999-2000	TVC Division - Proposed ROB in lieu of L.C. No.71 (Idapalli) @ km.102/ 800 - 900 (Chittur Road) in between Idappalli and Ernakulam Town stations in SRR - CHTS section.	14.66	14.7	9.5107	Work completed	Work completed	100	100	Commissioned on 11.01.2016
2	2001-02	PGT Division - Pro ROB in lieu of LC No 201 @ km.688/100 - 200 in between Elathur and Quilandi stations in SRR - MAQ section.	12.79	12.8	11.6991	Work completed	Work completed	100	100	Railway portion completed in Feb 13. LC physically closed. State completed in April 13. ROB Commissioned on 20/4/13. Subway - RCC boxes cast.
3	2001-02	PGT Division - Pro ROB in lieu of LC No 49 (Sultanpet) @ Km No 49 (Sultanpet) @ Km 53/10- 11 in between Pudunagaram and Palghat Town in CBE - SRR section.	3.45	5.2	1.8725	Work completed	Work completed	100	100	Rly portion completed in Feb 14. State: Completed in May 14. Commissioned on 21st June 14; LC closed on 22-06-14.
4	2001-02	TVC Division - Pro ROB in lieu of LC No.541 (Mayyanad - SP.Gate) @ km 156/500 - 600 in between Quilon and Mayyanad stations in QLN - TVC section.	9.13	9.13	2.6484	Work completed	Work completed	100	100	Rly portion completed in Nov.12. Appr completed in Dec. 13. Commissioned on 20.01.2014.
5	2000-01	MDU Division - Proposed RUB in lieu of L.C.No.439 (Kovilpatti) @ km.587/ 400 - 500 in between Kovilpatti and Kumarapuram stations in VPT - MEJ section.	6.01	6.01	6.2056	Work completed	Work completed	100	100	Railway portion work completed in Feb 14.Opened for traffic.
6	2000-01	TPJ Division - Proposed ROB in lieu of L.C. No. 216 (Sirkhazhi) @ km 262/ 600 in between Kollidam and Sirkazhi stations in VM - MV (Tanjavur) section.	7.47	7.47	4.5922	Work completed	Work completed	100	100	Railway portion completed in Jan 11. Commissioned during Aug-16
7	2000-01	TVC Division - Proposed ROB in lieu of L.C. No.76T (Tirunettur - Atlantice) @ km 1/9-10 on Cochin corporation Road in between Ernakulam and Tirunettur stations in ERS - ALLP section.	5.24	0	0.0687	NF	NF	0	0	ROB for 75A at Km.108/300-400 is under process for inclusion in WP 2018-19 & ROB for LC No. 76T @ km 1/9-10 to be deleted from Pink Book.
8	2000-01	TVC Division - Pro ROB in lieu of L.C. No.2 (Ponnurunni) @ km. 3/900 - 4/0 in between Ernakulam and Tripunittura stations in ERS - KTYM - QLN section.	12.33	12.3	9.7853	Work completed	Work completed	100	100	Rly portion completed in Dec. 13. Appr completed in Jan. 14. Commissioned on 01.02.2014
9	2000-01	PGT Division - Proposed ROB in lieu of L.C. No.174A @ km 639/14-15 Chemmad Road (PARPPANANGADI) in between PARPPANANGADI and VALLIKUNNU Rly Stns in SRR - MAQ section.	9.38	9.38	7.2865	Work completed	Work completed	100	100	Rly portion completed in May 13. Appr completed in May 13. Commissioned on 08.06.2013. LC closed. Subway: Work completed

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
10	2000-01	TVC Division - Pro ROB in lieu of L.C No.54 (Korattiangadi) @ Km 67/900-68 / 0 in between Chalakkudy - Karukutty stations in SRR - CHTS section.	3.65	3.65	4.5983	Work completed	Work completed	100	100	Commissioned. On 15.08.2013
11	2002-03	TVC Division - Pro ROB in lieu of LC No. 45 (Aloor) at Km 58/100 - 200 in between Irinjalakuda and Chalakudi stations in SRR - CHTS section.	3.22	3.22	4.0440	Work completed	Work completed	100	100	Commissioned on 10.09.15
12	2001-02	TVC Division - Pro ROB in lieu of LC No. 52 (Divine nagar) at KM. 65/600-700 in between Chalakkudy - Karukutty stations in SRR - CHTS section.	6.36	7.5	5.6158	Work completed	Work completed	100	100	Commissioned on 03.10.2015
13	2002-03	PGT Division - Proposed ROB in lieu of LC No.261 (Payyanur) @ km.787/900 - 788/0 in between Payyanur - Trikarpur stations in SRR - MAQ section.	10.25	11	10.7408	Work completed	Work completed	100	100	Rly portion completed in Feb-13. Commissioned on 01-06-2013
14	2002-03	PGT Division - Pro ROB in lieu of LC No.172 @ km. 629 / 7- 8 in between Tirur and Tanur in SRR - MAQ section.	11.64	11.6	12.6950	Work completed	Work completed	100	100	Commissioned on 14.02.2014. Subway Work Completed Railway portion: Work completed Jun-17
15	2002-03	PGT Division - Pro ROB in lieu of LC No.217 (Kunjipally) @ Km. 721/400 - 500 in between Mahe - Badagara stations in SRR - MAQ section.	5.80	5.8	7.6187	Work completed	May-19	100	95	Approach portion:Trestle portion completed. Ramp portion to be completed.
16	2002-03	TVC Division - Pro ROB in lieu of LC No. 59 at km 74/600-700 (Kaduvetty Road) in between Karukutty and Angamaly stations in SRR - CHTS section.	5.70	5.7	7.1334	Work completed	Work completed	100	100	Rly- Completed in Mar-13 commissioned on 25.08.14
17	2002-03	TVC Division - Pro ROB in lieu of LC No. 14 @ km 23/300 - 400 in between Punkunnam - Mulankunnathukavu stations in SRR - CHTS section.	18.62	18.6	5.6324	Work completed	Work completed	100	100	Commissioned on 19.07.14
18	2002-03	PGT Division - Pro ROB in lieu of LC No. 170 @ km.615/100 - 200 in Thirunavaya yard in SRR - MAQ section.	10.75	10.753	10.0701	Work completed	Work completed	100	100	Rly portion and appr completed in Oct 14. Commissioned on 07.11.14. FOB also completed.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
19	2002-03	PGT Division - Pro ROB in lieu of LC No.185 @ km.666/100-200 in between Calicut - West Hill stations in SRR - MAQ section.	5.51	5.51	0.2185	NF	NF	0	0	Railway portion : GAD approved. Approach portion : LA under process. RBDCK approached state Government for fund.
20	2002-03	PGT Division - Pro ROB in lieu of LC No. 216 (Kinatty) @ km.720/2-3 in between Badagara - Mahe stations in SRR - MAQ section.	6.82	6.82	5.2323 completed	Work completed	Work completed	100	100	Rly. Portion completed in Jan-14 Commissioned 5.7.2014 LC closed
21	2002-03	PGT Division - Proposed ROB in lieu of LC No. 268 (Chravathur) @ km. 801/500 - 600 in Charavattur yard in SRR - MAQ section.	9.26	10.1	9.3819	Work completed	Work completed	100	100	Rly. Portion completed in Feb-14 Commissioned on 26.08.14
22	2002-03	PGT Division - Pro ROB in lieu of LC No. 274 @ km.816/800 - 900 in between Kanhanga -Pallikere stations in SRR - MAQ section.	10.96	11	0.1879	NF	NF	0	0	Railway portion: Estimate Sanctioned. Tender under finalisation Approach portion: Tender awarded
23	2004-05	MAS Division - Proposed RUB in lieu of LC No.4 (Villivakkam) @ km.11/30-32 in between Villivakkam - Korattur stations in MAS - AJJ section.	5.63	5.63	11.5715	Work completed	June-19	100	35	Railway portion: Work completed during April-17 Approach Portion:Work in progress
24	2004-05	MAS Division - Pro RUB in lieu of LC No.6 (Wimco Nager) @ km.10/10-12 near Wimco Nager station in MAS - GDR section.	4.74	6.96	0.4425	NF	NF	0	0	Railway Portion: Tender called. Approach Portion: Alignment is under modification in consultation with CMRL. LA in progress.
25	2004-05	MAS Division - Proposed Pedestrian Subway in lieu of LC No.33 (Perungalathur) @ km B32/11-12 A in between Tambaram and Vandalur stations in MS - VM section.	6.51	6.51	1.3297	NF	NF	0	0	Railway Portion: Tender discharged. Retender to be called after comissioning of ROB at LC 32. Approach Portion: Concurrence awaited from NHAI. Oldest work. Hence proposed for deletion as per board directives.
26	2004-05	TPJ Division - Proposed ROB in lieu of LC No.39 (PDY) @ km.31/7-8 in between Chinna-Babu samudram and Pondicherry in VM-PDY section.	5.06	5.06	3.2791	Work completed	May-19	100	95	Rly.work completed in Nov. 14. Subway box cast. Insertion after commissioning of ROB.App: Main work completed except part portion of Approach road
27	2006-07	MAS Division - Proposed ROB in lieu of LC.No.3 @ km 7/400-500 in between Tondiarpet - Tiruvottiyur stations in MAS - GDR section.	12.62	39.7	12.1298	Work completed	Work completed	100	100	Rly – Work completed during Jan-17. Commisioned for trafic in July2017
28	2005-06	MAS Division - Proposed ROB in lieu of LC.No.1 (ICF Gate) @ km 8/34-36 between Perambur - Villivakkam stations in MAS - JTJ section.	9.11	9.10	6.5619	May-19	May-20	50	0	Railway Portion: Railway portion upto Trestle beam completed. CG fabricated.Approach Portion: Tender called. LA issue.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
29	2005-06	MAS Division - Pro RUB in lieu of LC. No.2 @ km 2A/40-42 between Basin Bridge - Korukkupet stations in MAS-GDR section.	5.16	5.13	4.7327	NF	NF	0	0	RUB @ LC No.2 will be taken up after commissioning of ROB in lieu of LC Nos. 2A & 2B, where works have been held up due to traffic diversion approval pending with state government.
30	2005-06	TVC Division - Proposed 1X30m PSC Box girder ROB in lieu of LC No.36 @ km.63/900 - 64/000 in between Kottayam and Chingavanam stations in ERS - QLN section.	7.73	7.73	8.3721	Work completed	Work completed	100	100	Rly portion completed in Jul 14; Appr completed in Aug 14. Commissioned on 05.09.2014
31	2005-06	TVC Division - Pro ROB in lieu of LC No.575 A (Kazhakkootam) @ km 205/500-600 between Murukampuzha and Kazhakuttam stations in QLN-TVC section.	5.48	5.48	0.1305	Work completed	Work completed	100	100	Rly portion completed in Jan. 15; Appr completed in Jan.15. Commissioned 27/01/ 2015
32	2005-06	TVC Division - Pro ROB in lieu of LC No.578 (Trivandrum) @ km 217/300-400 between Kochuveli - Trivandrum-Pettah stations in QLN - TVC section.	5.48	5.479	0.1426	Work completed	Work completed	100	100	Commissioned. LC Closed.
33	2005-06	TVC Division - Pro ROB in lieu of LC. No.33 (Ettumanur) @ km.56/200-300 in between Ettumanur - Kottayam stations in ERS - TVC section.	1.93	1.9289	1.4664	Work completed	Work completed	100	100	Commissioned on 24/5/15
34	2006-07	PGT Division-Proposed ROB in lieu of LC No 280 @ km 830/100 - 200 in Kotikulam yard station in SRR - MAQ section.	5.48	5.479	0.1763	NF	NF	0	0	Railway portion: GAD approved on 20.12.2017Approach portion: LA stage
35	2006-07	PGT Division - Proposed ROB in lieu of LC No 289 @ km 865/500 - 600 in between Uppala - Manjeshwar stations in SRR - MAQ section.	5.67	5.67	0.1190	NF	NF	0	0	Alignment details awaited from State Government.
36	2006-07	MDU Division - Proposed RUB in lieu of LC No 518 @ km 717/2-3 in between Edamann and Punalur stations in SCT - QLN section.	5.63	5.62	5.7382	Work completed	NF	100	35	Railway portion: completed in Oct-2015.Approach portion: G.O. Issued for LA under DLPC (Dt. Level Purchase Committee)
37	2006-07	TVC Division - Proposed ROB in lieu of L.C. No.2 (Nemom)@ km 221/400 - 500 in between Nemom and Trivandrum central stations in TVC - NCJ section.	7.32	7.3128	0.0970	NF	NF	0	0	Railway portion: GAD approved. Estimate sanctioned. Tender will be called after LA by State Govt. Approach portion: LA is in progress.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
38	2006-07	TVC Division - Proposed ROB in lieu of LC No 554 @ km 168/400 - 500 in between Paravur and Kappil stations in QLN - TVC section.	6.62	6.6201	2.1837	NF	NF	0	0	Railway portion: Estimate under preparation Approach portion: RBDCK requested Fund from State govt
39	2006-07	MAS Division - Pro ROB in lieu of LC No.14 (Veppampattu) at km. 32/10 - 12 in between Thiruninravur-Tiruvallur in MAS - AJJ section.	5.48	5.479	0.1547	Work completed	NF	100	50	Railway portion - completed in Feb-13. Approach Portion: 13/29 Spans completed, balance work held up due to court case.
40	2006-07	MAS Division - Proposed RUB in lieu of LC No.4 @ km.8/600-700 in between Tiruvottiyur - Ennore stations in MAS - GDR section.	5.46	7.4923	3.5122	NF	NF	0	0	Railway Portion: Estimate sanctioned. Tender to be called. BOX pushing with temporary girder planned Approach Portion: LA completed. Estimate under preparation
41	2006-07	PGT Division - Proposed ROB in lieu of LC No. 257 @ km.774/300 - 400 in between Kannapuram - Payangadi stations in SRR - MAQ section.	6.08	9.2483	3.5307	Work completed	Work completed	100	100	Completed and commissioned in Oct-2018
42	2006-07	PGT Division - Proposed ROB in lieu of LC No. 230 (Tellicherry) @ km. 735/200 - 300 in between Telicherry and Dharmadam stations in SRR-MAQ section.	5.45	5.4487	0.1539	NF	NF	0	0	Railway portion: Estimate under preparation Approach portion: DPR approved. LA in advance stage.
43	2006-07	MDU Division - Pro ROB in lieu of L.C. No118 @ km 120/7 - 8 in between Gomangalam and pollachi PTJ - DG section.	10.69	13.7979	8.8147	Work completed	Work completed	100	100	Rly. Portion completed in Mar-12 and Commissioned Dec -12
44	2006-07	SA Division - Proposed ROB -in lieu of LC No 21 @ km.21/43 - 45 (Nanjundapuram) in between Coimbatore and Podanur stations in CBE - SRR section.	7.64	8.951	6.2365	Work completed	Work completed	100	100	Commissioned 02.06.15
45	2006-07	SA Division - Pro ROB in lieu of LC No.6 (Cheran maa nagar) @ km.6/15 - 17 in between Singanallur - Pilamedu station in ED - CBE- PTJ section.	10.61	10.6	1.4284	NF	NF	25	0	Railway Portion: Pier in progress. Approach Portion: Final Judgement Received. Based on the Judgement LPS for two lane Bridge Proposal submitted to DRO, Chennai. Estimate under preparation in the designs wing.
46	2006-07	TVC Division - Proposed ROB in lieu of LC No. 32 B at km 287/600-700 in between Eraniel and Nagercoil stations in TVC - NCJ section.	9.60	7.585	17.0508	Work completed	Work completed	100	100	Rly portion completed in Mar. 12; Appr completed in May 15 . Commissioned on 02.06.15

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
47	2006-07	TPJ Division - Proposed ROB in lieu of LC No. 135 @ km 182/000 -100 in between Serndanur-Panruti in VM-MV Main line section.	8.43	10.8302	10.4233	Work completed	Work completed	100	100	Rly:-Work completed during April-16State – Completed. ROB commissioned on 26.03.18.
48	2006-07	MAS Division - Proposed ROB in lieu of LC No.21 at Km 47/14 - 16 in between Tiruvalangadu and Kadambathur stations in MAS - AJJ section.	10.72	10.7126	7.1815	May-19	May-19	45	60	Railway Portion : All piers completedApproach Portion : 25/27 deck completed ; work is in progress.
49	2006-07	MDU Division - Pro ROB in lieu of L.C. No 366 @ km 496/16 - 497/1 in between Tiruparankundram and Madurai stations in MDU-VPT section.	13.45	17.7312	0.1485	Work completed	Work completed	100	100	One arm commissioned. Other arm , LA in advance stage. LC gate closed.
50	2006-07	TPJ Division - Proposed ROB in lieu of LC No.166 A @ Km.211/4 - 5 in between Cuddalore port and Capper Quarry stations in VM -TPJ main line section. (Cudalore Town Municipality Road).	5.32	5.3198	7.2382	Work completed	Work completed	100	100	Rly portion completed in Nov 14; Appr completed in Jan 15. Commissioned on 02.06.15
51	2006-07	MAS Division - Proposed ROB in lieu of LC No.7 @ km. 17/34 -18/2 in between Ambattur - Avadi station in MAS - AJJ section.	9.79	11.1739	8.9767	Work completed	Dec-19	100	15	Railway Portion: Work completed in Oct-2015.Approach Portion:Work in progress
52	2006-07	MAS Division - RUB in lieu of L.C.No. 9 at km 23/12 - 14 in between Avadi - Pattabiram stations in MAS - AJJ section.	7.95	8.4613	12.3667	Jun-19	NF	5	0	Railway Portion: Tender awarded. Design approved Traffic diversion is to be arranged by HighwaysApproach Portion:Tender to be called
53	2006-07	MDU Division-Pro ROB in lieu of L.C. No.95 @ km 92/16 - 17 in between Udumalaipettai and Gomangalam stations in CBE - DG section.	6.98	6.9722	4.7745	Work completed	Work completed	100	100	Bridge proper completed Feb-12 Commissioned on 02.06.15. LC closed
54	2006-07	MAS Division - Proposed ROB in lieu of LC No.47 @ km.51/ 4 - 5 in between Maraimalai Nagar and Singaperumal Koil stations in MS-VM section.	5.84	5.84	2.3547	Work completed	Dec-19	100	30	Railway portion : completed in Mar-13 Subway Tender awarded. Approach Portion: 32/94 decks completed. . Rotary portion under design.
55	2006-07	MAS Division - Proposed ROB in lieu of LC No.40 @ km.40/ 2 - 4 in between Urappakkam and Guduvancheri stations in MS -VM section.	13.57	16.7622	9.5835	Work completed	Work completed	100	100	Rly – Completed in November 15. State – Work completed, Opened for traffic

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
56	2007-08	SA Division - Proposed ROB in lieu of LC.No. 146 (Vellalore Gate) @ km. 479/22-24 between Irugur - Podanur stations in ED - CBE - PTJ section.	8.18	19.1557	14.8506	Work completed	Work completed	100	100	Rly : Completed in Feb-13; . Subway also completed. State - Completed.
57	2007-08	MAS Division - Proposed RUB in lieu of LC.No.18 @ km. 19/600-700 between Guindy - St. Thomas Mount stations in MSB - TBM section.	8.56	9.2052	0.4963	May-19	May-19	10	0	Drawings approved. LC closed. Thrust bed in progress. TN Water main shifting to be done. Entire work to be executed by Railway
58	2007-08	MAS Division - Proposed ROB in lieu of LC.No. 58 @ km. 111/10 -12 between Puttur - Taduku stations in AJJ - RU section.	6.11	6.1037	2.4281	Work completed	Work completed	100	100	Commissioned during 2014-15
59	2007-08	TPJ Division - ROB in lieu of L.C.No. 248 at km 331/0 -1 in between Srirangam - Tiruchchirappalli Town stations in VM - TPJ section.	8.97	8.9599	7.4779	Work completed	Work completed	100	100	Railway portion completed in Nov.14. State: work completed. Commissioned on 14-02-2016
60	2007-08	MAS Division - Proposed RUB in lieu of LC.No. 81 @ km. 197/36 - 198/2 in Vaniyambadi yard station in MAS-JTJ section.	7.83	7.8599	5.6892	NF	NF	15	0	Railway Portion: Retender to be called. Heavy seepage of water noticed. Approach Portion: Tender will be called after completion of LA.RAS to be obtained from State Government.
61	2007-08	MAS Division - Proposed RUB in lieu of LC.No.14 @ km. 16/8-10 between Guindy - St. Thomas Mount stations in MSB - TBM section. (Pachaiamman koil street)	6.38	6.3719	6.0269	Sep-19	Sep-19	30	0	Railway Portion: Thrust bed completed. Boxes Casting in progress Entire portion will be executed by Rlys including stairways.
62	2007-08	SA Division - Proposed RUB in lieu of LC.No. 133 (Kongu Nagar Gate) @km. 441/10 -12 between Uthukuli - Thirupur stations in ED - CBE - PTJ section.	8.77	8.7614	8.9933	Work completed	Work completed	100	100	Commissioned during Jan 2018
63	2007-08	TPJ Division - ROB in lieu of L.C.No 228 at km 313/2 -3 in between Kattur-Lalgudi stations in VM - TPJ section.	7.73	18.0171	2.9944	Work completed	Work completed	100	100	Commissioned during 2016-17
64	2007-08	SA Division - Proposed ROB in lieu of LC.No. 11 (Rathinapuri Gate) @ km. 12/19 - 21 between Pilamedu - Coimbatore North stations in ED-CBE-PTJ section.	6.20	6.1923	5.1329	Work completed	Work completed	100	100	Rly : completed during Feb 15 State : completed & opened for traffic Subway tender awarded
65	2007-08	TPJ Division - ROB in lieu of L.C.No. 304 at km 354/8 -9 in Thanjavur yard in TPJ - MV section.	6.56	6.5502	4.5331	Work completed	Work completed	100	100	Commissioned June'18

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
66	2007-08	SA Division - Proposed ROB in lieu of LC.No. 9 (Avarampalayam) @ km. 10/19 - 21 between Pilamedu - Coimbatore North stations in ED-CBE-PTJ section.	10.41	12.9561	15.2940	Work completed	Oct-20	100	5	Railway Portion: Work completed in Feb-19. Approach Portion: Work just commenced
67	2007-08	SA Division - Proposed ROB in lieu of LC.No. 132 (SRC Mill Gate) @ km. 440/26 - 28 between Uthukuli - Thirupur stations in ED - CBE - PTJ section.	6.81	7.2613	8.0975	Work completed	NF	100	85	Railway portion completed. In Mar 13. For Subway work , tender invited.State: 31/35 deck slab completed. Uthukuli side retaining wall completed. For balance works retender called
68	2007-08	SA Division - Proposed ROB in lieu of LC. No. 5 (Neelikonanpalayam Salai) @ km.3/21 - 23 between Singanallur- Pilamedu stations in ED - CBE - PTJ section.	9.12	12.5996	8.0077	Work completed	NF	100	0	Railway Portion: Work completed in Nov.14.Approach Portion:Tender to be called after LA.
69	2007-08	MAS Division - Pro ROB in lieu of L.C. No 13 at km 20/28-30 in between Ennore-Attipattu stations in MAS-GDR section.	7.44	3.7174	0.4492	Work completed	Work completed	100	100	ROB opened for traffic During April 2017 Railway Portion: Railway portion completed in Mar-2016. Subway All boxed cast.
70	2007-08	MAS Division - Proposed ROB in lieu of LC.No. 36 @ km. B.36/12 - 14 between Vandalur - Guduvancheri stations in MS - VM section.	6.83	7.2613	0.3273	Work completed	May-19	100	90	awaiting for line blockApproach Portion: ROB completed. Service road work is in progress
71	2007-08	MDU Division - Proposed ROB in lieu of L.C.No 370 at km 500/300 -400 in Madurai - Tiruparankundram stations in MDU - VPT section.	7.42	7.4091	9.3586	Work completed	Work completed	100	100	Both Railway and State work completed and commissioned on 11.11.13 Subway commissioned
72	2007-08	MDU Division - ROB in lieu of L.C.No 486 & 487 at km 652/700 -800 in Milavittan - Tuticorin stations in MEJ - TN section.	8.00	7.9887	5.3390	NF	NF	0	0	Railway Portion: Estimate sanctioned for ROB at LC No.486 & RUB at LC No.487. Tender to be called for ROB & RUB. RUB work to executed first and Traffic to be diverted, then ROB work to be taken up. Approach Portion:Estimate under preparation
73	2007-08	MDU Division - ROB in lieu of L.C.No 486 & LHS in lieu of LC No.487 at km 653/5-6 in Milavittan-Tuticorin stations in MEJ - TN section.	7.79	7.782	11.3564	NF	NF	0	0	Railway Portion: Estimate sanctioned. Approach Portion:DPR under preparation.
74	2007-08	SA Division - Proposed RUB in lieu of LC.No. 13 (Kannappa Nagar) @ km. 13/25 - 27 between Pilamedu - Coimbatore North stations in ED-CBE-PTJ section.	7.42	7.4091	0.8864	Work completed	NF	100	0	Rly: Work completed during July-17 State: Raft slab work in progress

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
75	2007-08	MAS Division - Proposed ROB in lieu of LC.No.15 @ km. 35/30 - 32 between Tiruvallur - Tiruninravur stations in MAS - AJJ section.	7.317.3092	7.2869	Work completed	NF	100	40		Railway portion: completed in Feb-2016.Approach Portion: 8/17 decks completed Remaining is in progressLA stage: Final Award is awaited
76	2007-08	TPJ Division - Proposed ROB in lieu of LC No.168 @ Km.215/9 - 216/0 in between Pavanur - Vridhachalam stations in VM - TPJ section.	7.85	8.8369	7.6248	Work completed	Work completed	100	100	Rly portion completed in Jul 14; Appr completed in Sep 14. Commissioned on 02.06.15
77	2007-08	TPJ Division - Proposed ROB in lieu of LC No. 206 @ Km.284/9 - 285/0 in between Sillakudi - Kallagam stations in VM - TPJ section.	11.24	11.2311	9.6873	NF	NF	0	0	Railway Portion: Revised GAD for ROB is approved Approach Portion: DPR under preparation in Designs wing.
78	2007-08	MAS Division - ROB in lieu of L.C. No 93 at km 124/2 - 3 in between Olakkur - Tindivanam stations in MS - VM section.	7.36	7.36	7.8871	Work completed	Work completed	100	100	Railway portion work completed in Mar-16 Commissioned on 31/10/2018
79	2007-08	MAS Division - Proposed ROB in lieu of LC.No. 69 @ km. 163/15 - 17 in Valathur yard in MAS - JTJ section.	11.04	15.08	2.3797	Work completed	Work completed	100	100	Railway portion completed in Feb-14 Appr - Commissioned on 13.11.15
80	2007-08	MAS Division - Proposed RUB in lieu of LC.No. 66 @ km. 158/26 - 28 between Vellore - Melalathur stations in MAS - JTJ section.	8.38	8.3733	9.7731	Work completed	Work completed	100	100	Rly. Portion completed in Mar-13 Commissioned on 02.06.15
81	2007-08	TPJ Division - Proposed ROB in lieu of LC No.181 @ Km.236/100-200 in between Pennadam - Mathur stations in VM - TPJ section.	7.57	7.5686	0.0528	Work completed	Work completed	100	100	Rly. Portion completed Mar-12 Commissioned on 02.06.15
82	2007-08	SA Division - Proposed RUB in lieu of LC.No. 113 @ km. 332/8 -10 between Magnasite Jn - Salem yard stations in JTJ - SA section.	7.36	7.3979	5.8247	Work completed	Work completed	100	100	RUB commssioned on 01-03-2016
83	2008-09	TPJ Division - Proposed ROB in lieu of LC No.201 @ Km.270/0-100 in between Ariyalur - Sillakudi stations in VM - TPJ (Chord line) section with LUS	9.33	9.3237	10.5025	Work completed	May-19	100	80	Railway Portion: Work completed during Jan-2019. Approach work for pedestrian subway is startedApproach Portion:21/23 decks slabs completed . Balance work in progress
84	2008-09	MAS Division - Proposed ROB in lieu of LC.No. 38 @ km. 52/ 8 - 10 in between Elavur - Akkampet stations in MAS - GDR section.	5.61	5.5978	2.7003	Work completed	Work completed	100	100	Commissioned on 04.06.18

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
85	2008-09	MAS Division-Proposed Reconstruction of ROB in lieu of existing ROB.No. 9R @ km. 1/30 - 34 in Chennai Central yard (Elephant Gate ROB) station in MAS - AJJ section.	6.42	6.4107	5.0217	NF	NF	0	0	Railway Portion: Detailed estimate sanctioned. Dismantling GAD approved.Approach Portion : Design completed.
86	2008-09	SA Division -Proposed RUB in lieu of L.C. No 96 @ km. 243/20 - 22 in between Kagankarai - Samalpatti stations in JTJ - SA section.	7.16	7.1549	4.9286	Work completed	Work completed	100	100	Rly portion completed in Dec. 13; Appr completed in May 15. Commissioned on 02.06.15
87	2008-09	SA Division -Proposed ROB in lieu of LC.No. 2 @ km. 1/9 - 11 between Irugur - Pilamedu stations in ED-CBE-PTJ section.	9.33	9.3236	5.7233	Work completed	Work completed	100	100	Commissioned on 13.11.15
88	2008-09	MDU Division - ROB in lieu of L.C.No 403 at km 538/500 - 600 in Virudhunagar - Tulukkapatti stations in VPT - MEJ section.	7.17	7.1764	0.5371	Work completed	Dec-19	100	40	Rly: Work completed Feb-18 State: All decks completed. Service road work in progress
89	2008-09	MDU Division - ROB in lieu of L.C.No 371 at km 501/400 -500 in Madurai - Tiruparankundram stations in MDU - VPT section.	6.42	7.44	6.0986	Work completed	Work completed	100	100	Opened for traffic during May 2017
90	2008-09	MDU Division - ROB in lieu of L.C.No 281 at km 377/100 - 200 in between Manapparai - Chettipatti stations in TPJ - DG section.	6.08	6.0717	1.8810	Work completed	Work completed	100	100	Rly portion completed in Nov.14 ; Appr completed in May 15. Commissioned on 02.06.15
91	2008-09	TPJ Division - Proposed ROB in lieu of LC No.302 @ Km.351/10-11 in between Titte - Thanjavur stations in TPJ - TJ - KMU - MV section.	7.08	7.0753	6.3944	Work completed	Work completed	100	100	Rly portion completed in Jul 14 ; Appr portion completed in Aug 14. Commissioned on 28.8.14
92	2008-09	TPJ Division-Proposed ROB in lieu of LC.No. 128 @ km. 151/12 - 13 in between Vellore - Katpadi stations in VM - KPD section.	6.72	6.711	6.4998	Dec-19	NF	5	0	Railway Portion : Tender awarded. Approach Portion : Tender to be called after completion of LA
93	2008-09	SA Division - Proposed RUB in lieu of L.C. No 98 @ km. 247/17 - 19 in between Samalpatti - Dasampatti stations in JTJ - SA section.	11.54	11.538	2.3298	Work completed	Work completed	100	100	Rly portion completed in Mar-13 Commissioned on 11-11-2013
94	2008-09	SA Division - Proposed ROB in lieu of L.C. No 89 @ km. 218/32 -219/2 in between Jolarpettai - Tirupatthur stations in JTJ - SA section.	18.57	24.0544	13.1495	Work completed	Work completed	100	100	Rly. Portion Completed in Aug-12 Commissioned on 02.06.15

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
95	2008-09	MAS Division - Proposed ROB in lieu of LC.No. 86 @ km. 211/4 - 6 in between Kettandapatti - Jolarpettai stations in MAS - JTJ section.	11.34	23.8426	14.5373	Work completed	Aug-19	100	80	Railway portion : completed Mar-13 Approach Portion :-22/27 spans completed
96	2008-09	MAS Division-Proposed ROB in lieu of LC.No. 82 @ km. 198/34 -36 in between Vaniyambadi - Kettandapatti stations in MAS - JTJ section.	9.98	9.981	0.0557	Work completed	Work completed	100	100	Railway portion completd in Mar-13 Commissioned on 02.06.15 Railway Portion: Work completed during Feb-18 Approach Portion : All decks completed service road in progress
97	2009-10	TPJ Division - Srirangam-Tiruchchirappalli Town - 4 lane ROB in lieu of 2 lane bridge No.380-A @ km.329/700-800 main line	11.54	11.538	2.9932	Work completed	May-19	100	90	
98	2009-10	TPJ Division-Tiruchirappalli-Dindigul-4 lane ROB in lieu of 2 lane bridge No.1136 near Tiruchchirappalli Jn @ km. 340/ 600 - 700	11.7015	11.6942	4.6796	Mar-20	Mar-20	60	60	Phase-I New 4 lane ROB commissioned during July 2018 For stage-II ROB , structural design sent to Rly Bd for approval.
99	2009-10	MAS Division - Basin Bridge - Korukkupet & Korukkupet-Vyasarpadi - 4 lane ROB in lieu of 2 lane ROB No.NE-21 and 11 R respectively.	12.4662	12.4594	9.5757	Work completed	Work completed	100	100	One arm Commissioned on 13.11.15. Other arm commissioneed in July-2017
100	2010-11	TVC Division - Pro ROB in lieu of LC. No.30 (Ettumanur) @ km.52/10 - 11 in between Ettumanur - Kottayam stations in ERS - KYJ section.	6.85	8.87	5.0727	NF	NF	0	0	Railway portion: Work awarded . Processed for fore closure and recalling after state govt tender calling. Approach portion: LA in final stage
101	2010-11	MDU Division-Proposed ROB in lieu of LC No.18 @ km 27/500 - 600 (Talaiyuthu) in Tirunelveli Yard station in MEJ - TEN (BG) section.	11.55	18.6947	0.0366	Work completed	Work completed	100	100	Opened for trafficLC closed
102	2010-11	MAS Division - Proposed ROB in lieu of LC No.16 at Km 38/22 - 24 in between Vepambattu - Puttlur stations in MAS - AJJ section with LUS.	9.2035	15.7516	5.4849	Work completed	Jan-20	100	0	Railway Portion: Work completed during July-17
103	2010-11	SA Division - Pro ROB in lieu of L.C. No124 @ km 394/10 - 11 in between Thottipalayam - Erode stations in ED-IGU section.	10.4747	25.5491	6.8775	Work completed	Work completed	100	100	Approach Portion: Work just started Railway Portion: completed in Mar 15. Approach Portion:Work completed, commissioned during Feb-19
104	2010-11	TPJ Division - Proposed ROB in lieu of LC.No. 2 @ km. 2/2 - 3 in between Venkatesapuram - Villupuram stations in VM - KPD section.	14.9296	26.6224	8.8155	Work completed	Work completed	100	100	Railway Portion : Completed in Feb 16. Approach Portion : Work completed. Commissioned during Feb-2019

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
105	2010-11	MAS Division - Proposed ROB in lieu of LC. No. 2 @ km. 1034 - 1035 in between Pattabiram - Pattabiram West stations in MAS - AJJ section.	10.7323	10.7257	3.5061	May-19	Mar-20	20	10	Railway Portion : All piles and pile cap is completed. Approach Portion: 35/128 piles completed
106	2010-11	SA Division - Proposed ROB in lieu of LC. No. 4 @ km.3/3 - 5 in between Irugur - Pilamedu stations in Irugur-Coimbatore section.	12.3995	12.3892	4.8566	Work completed	NF	100	90	Railway Portion : work completed in Nov.14. subway completed. Approach Portion: due to court case 5 decks are pending
107	2010-11	SA Division-Proposed ROB in lieu of LC. No. 7 @ km. 8/1 - 3 in between Irugur - Pilamedu stations in Irugur - Coimbatore section.	10.4747	25.5491	4.3329	Work completed	Work completed	100	100	opened for road traffic 03.12.17
108	2010-11	SA Division - Proposed Pedestrian Subway in lieu of LC. No. 10 @ km. 11/33-35 in between Irugur-Pilamedu stations in Irugur - Coimbatore section.	9.17	9.17	6.4622	May-19	May-19	10	0	work awarded box casting started Railway Portion: completed in Mar 15. Approach Portion : Estimate sanctioned. Agreement executed. LA under process.
109	2010-11	SA Division - Proposed ROB in lieu of LC.No. 131 @ km. 438/4 - 6 between Uthukuli - Thirupur stations in ED - CBE - PTJ section.	17.9828	17.9703	2.8005	Work completed	Jan-20	100	0	
110	2010-11	MDU Division - ROB in lieu of L.C. No 309 @ km 431/900 432/0 in between (Dindugal yard) Tiruchchirappalli - Dindugal stations in TPJ-DG section.	18.9634	18.9589	7.4101	Work completed	Jun-19	100	80	Railway Portion: Work completed in May-2016 Approach Portion: Bridge portion completed. Service road & Approach road works are in progress.
111	2010-11	TPJ Division - ROB in lieu of L.C.No 22 @ km. 31/300 - 400 in between Nidamangalam - Koradacheri stations in TJ - NCR section.	17.9253	17.9152	3.9475	Work completed	Work completed	100	100	Railway portion - completed in Feb-14. Approach Portion : Commissioned in Feb-19
112	2011-12	MAS Divn - ROB in lieu of LC No.75 at Km. 97/15-16 near Acharapakkam station in bet. Pakkam & Acharapakkam stations	19.0342	21.8024	0.0455	Work completed	NF	100	0	Railway Portion : Work in track span completed during March-17. Adjacent span in Railway Portion earlier agreed for execution by HW. Agreement closed. Approach Portion:Tender will be called after LA
113	2011-12	MAS Division - Road over bridge in lieu of LC No.78 @ Km. 186/12-14 in between Ambur - Vinnamangalam stations in in AJJ-JTJ section	19.5131	19.5082	2.0638	Work completed	Dec-19	100	5	Railway Portion : Work completed during Dec-17 Approach Portion : Agency available. LA final stage
114	2011-12	MAS Division - Road over bridge in lieu of LC No.80 @ Km.195/28-30 in between Vinnamangalam-Vaniyambadi stations in Arakkonam - Jolarpettai section	16.6684	16.6624	1.1408	Work completed	NF	100	45	Railway Portion : Work completed on Jun-16. 3m of private land is needed non- track span. Approach Portion: 12/26 decks completed. LA is in advance stage for balance work.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
115	2011-12	MAS Divn - ROB in lieu of LC No.13 at Km.31/12-14 in between Thiruninravur and Veppambattu stations.	14.1942	19.3649	4.2098	Work completed	NF	100	0	Railway Portion:-Work completed on Jun-16 Approach Portion : Tender awarded. LA in progress
116	2011-12	MAS Divn - ROB in lieu of LC No.2B at Km. KOKG 22-24 in bet.Korukkupet – Veysarpadi stations.	17.7423	19.3999	0.2066	May-19	NF	5	0	Railway Portion : Work awarded, Road diversion awaited Approach Portion : GCC commenced the work. Initial pile load test have been completed. Regular work will be commenced after the permission obtained from Traffic police for diverting the exg traffic.
117	2011-12	MAS Divn-ROB in lieu of LC No.16 at Km.24/16-18 in between Minjur and Anuppambattu stations.	10.5059	10.49725	9.8670	Dec-19	Mar-20	25	0	Railway Portion : Work awarded. Pile foundation completed. for adjacent spans in Railway portion need LA. GAD for additional LHS approved. Approach Portion : Estimate is being revised to current schedule of rates.
118	2011-12	SA Divn - Ped Subway in lieu of L.C. No.3 at Km.2/9-11in between Irugur – Pilamedu Stations.	16.66	16.668	0.0000	NF	NF	0	0	Railway Portion: Estimate sanctioned. Approach Portion: Combined GAD is under preparation. LA issue Railway Portion: Work completed during March-17. Approach Portion: NHA permission awaited.
119	2011-12	MAS Divn-ROB in lieu of LC No.32 at Km.32/16-18 at Perungalathur in between Tambaram and Vandalur stations.	18.072	18.0655	5.8065	Work completed	Jan-20	100	0	
120	2011-12	MAS Divn-ROB in lieu of LC No.2A at Km. KOKG 12-14 in bet. Korukkupet–Veysarpadi stations.	18.9277	18.9157	4.0190	NF	NF	5	0	Railway Portion: Work awarded, Road diversion awaited Approach Portion: GCC commenced the work. Initial pile load test have been completed. Regular work will be commenced after the permission obtained from Traffic police for diverting the exg traffic.
121	2011-12	TPJ Divn - ROB in lieu of LC No.126, Km.149/900-150/0 at Vellore Yard and RUB in lieu of LC No.127 (M) at Km. 150/600-700 in bet. Vellore cantonment and Katpadi junction.	19.5524	19.5447	6.3059	Work completed	Apr-19	100	95	Railway Portion : Work completed during Mar-19. Approach Portion : Main work completed, Finishing works in progress
122	2011-12	TPJ Divn - ROB in lieu of LC No.126, Km.149/900-150/0 at Vellore Yard and RUB in lieu of LC No.127 (M) at Km. 150/600-700 in bet. Vellore cantonment and Katpadi junction.	17.6619	17.6511	7.5490	NF	NF	0	0	Railway Portion: Contract foreclosed, retender to be called after commissioning of ROB @ LC 126. Approach Portion: Tender called Railway Portion: Completed in Mar-2016.
123	2011-12	MAS Divn - ROB in lieu of LC No.59 at Km. 68/10-11 near Ottivakkam Station in bet.Chengalput & Ottivakkam stations.	18.0719	18.0654	9.5790	Work completed	NF	100	0	Approach Portion::LA in advance stage

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
124	2011-12	MAS Divn - ROB in lieu of LC No. 64 at Km. 81/2-4 near Karunguzhi. Station in bet. Padalam & Karunguzhi stations.	13.2998	13.577	15.8545	Work completed	Jan-20	100	0	Railway Portion: Railway portion completed in Aug 2015 . Approach Portion: Tender to be called after LA
125	2011-12	MAS Divn - ROB in lieu of LC No.88 at Km. 114/1-2 in Olakkur Yard	19.5447	19.5447	0.0000	Work completed	Jan-20	100	0	Railway Portion : Completed in June-2016. Approach Portion : Work commenced .
126	2011-12	MAS Divn - ROB in lieu of LC No.102 at Km.134/28-30 in Mailam Yard			0.0355	Work completed	Work completed	100	100	Rly – Work completed Oct-15 ROB Commissioned during May-18
127	2011-12	MAS Divn - ROB in lieu of LC No.111 at Km.150/7-8 near Vikaravandi in bet. Perani and Mundiampakkam stations.	18.543	18.5342	17.6089	Work completed	Work completed	100	100	Commissioned on 04.06.18
128	2011-12	MDU Divn - ROB in lieu of existing LC No.308 at Km.431/0-100, bet. Tamaraipadi and Dindigul stations, LC No.27 at Km.72/200-300 bet. Eriodu and Dindigul stations and LC No.2 at Km.1/10-11 bet. Dindigul and Akaraipatti Stations.	16.4218	16.8205	3.5643	Work completed	NF	100	40	Railway Portion : Work completed in Mar-2016. Subway-Completed Approach Portion: 8/31 spans completed. Further work held on account of LA.
129	2011-12	MDU Divn - ROB in lieu of existing LC No.308 at Km.431/0-100, bet. Tamaraipadi and Dindigul stations, LC No.27 at Km.72/200-300 bet. Eriodu and Dindigul stations and LC No.2 at Km.1/10-11 bet. Dindigul and Akaraipatti Stations.	17.1208	17.165	1.9838	Work completed	NF	100	10	Railway Portion: Work completed during Sep-16. Subway Completed Approach Portion: Work held up on account of LA
130	2011-12	MDU Divn - ROB in lieu of existing LC No.308 at Km.431/0-100, bet. Tamaraipadi and Dindigul stations, LC No.27 at Km.72/200-300 bet. Eriodu and Dindigul stations and LC No.2 at Km.1/10-11 bet. Dindigul and Akaraipatti Stations.	17.3108	18.08	13.2538	Work completed	NF	100	30	Railway Portion :-Work completed during March-17. Subway Completed. Approach Portion - Pier in progress. Part of LA in progress. Held on account of LA.
131	2011-12	MDU Divn - ROB in lieu of LC No.473 at Km. 578/600-700 near Paramakudi in bet. Sudiur and Paramakudi stations.	20.2801	20.2742	9.6675	Work completed	Work completed	100	100	Commissioned on 01-03-2016. Rly portion Subway completed
132	2011-12	Salem Market - Salem Town - Road over bridge in lieu of LC No.184.	18.5884	18.828	0.0085	Work completed	Jan-20	100	0	Railway Portion: Work completed during Nov-16. Approach Portion: Work order issued. For LA, possession to be taken for court case portion. Work will be commenced

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
133	2011-12	SA Divn - ROB in lieu of LC No.183 at Km. 189/500-600 near Salem Town in bet Ayodhyapattanam and Salem Town stations	17.8994	17.8935	11.7921	NF	NF	35	0	Railway Portion: LA for one side under process other side upto Treastle beam completed CG fabricated. Approach Portion: LA pending & Tender called
134	2011-12	SA Divn - ROB in lieu of LC No.187 at Km. 192/400-500 Near Salem Junction in bet Salem Market and Salem Junction.	16.4471	17.7288	12.0555	Work completed	NF	100	80	Railway Portion : ROB including Pedstrain subway portion completed in Feb-2016. Approach Portion:19/21 decks completed. Work held up due to LA and Court case
135	2011-12	TVC Divn - ROB in lieu of LC No.118 at Km. 357/400-500 near Sengulam in bet Melappalayam and Sengulam stations	10.3223	17.72	4.5944	Work completed	Work completed	100	100	Rly - Work completed during Jan-17 State : Commissioned in Aug17
136	2011-12	MAS Divn - ROB in lieu of LC No.70 at Km. 165/16-18 near Valathur in bet Melpatti and Melalathur stations with LUS	22.1287	22.1228	12.1730	NF	NF	15	0	Railway Portion : Work awarded. Foundation in private land. One side pier Completed.Approach Portion: Estimate is under preparation. LA in progress
137	2011-12	SA Divn-ROB in lieu of LC No.10 at Km. 25/6-7 near Karaimadai in bet Coimbatore North and Karaimadai stations	17.8994	17.8934	0.0139	Work completed	Work completed	100	100	Railway portion work completed Oct-16. Commissioned on 31/10/2018
138	2011-12	PGT Divn - RUB in lieu of LC No.3 at Km. 2/1-2 near Pollachi in bet Pollachi Aanaimalai Road Stations.	5.3797	19.1332	0.7568	Work completed	Work completed	100	100	Commissioned on 13/11/2015
139	2011-12	MDU Divn - ROB in lieu of LC No.441 at Km. 535/300-400 near Sivaganga in bet Sivaganga and Melakkonnakkulam Stations.	14.2	14.2	0.0238	Work completed	Work completed	100	100	Commissioned during 2016-17
140	2011-12	SA Divn - ROB in lieu of LC No.162 at Km.160/3-4 near Podanur Jn. in bet Podanur Jn. Pollachi section.	18.62	18.62	3.0140	Work completed	Work completed	100	100	Commissioned during Jul-2018
141	2011-12	TVC Division - sub way in lieu of LC No.61 @ Km.78/100-200 in Angamali for Kaladi yard in Shoranur in Ernakulam section.	17.2756	17.2669	0.0200	NF	NF	0	0	The Subway proposal has not been agreed by Municipality
142	2012-13	PGT Divn - ROB in lieu of LC No.7 at Km.27/200-300 at Angadipuram station.	18.62	18.62	1.4149	Work completed	Work completed	100	100	Commissioned on 26.03.2016
143	2012-13	SA Divn-Addl two lane RUB in lieu of exg RUB.No.314 at Km.370/32-34 Sankaridurg yard	18.62	18.62	0.0264	NF	NF	0	0	Alignment details awaited from State Government. TNRSP : at Survey stage
144	2012-13	TVC Divn-ROB in lieu of LC No.17 at Km.18/0-100 in between Kumbalam - Turavur stations.	28.3243	30.0697	0.4789	NF	NF	0	0	GAD under correction to be done by RBDCK.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
145	2012-13	TPJ Divn - ROB in lieu of LC No.249 at Km.331/700-800 in between Srirangam and Tiruchchirappalli Town stations.	18.62	18.62	0.1843	NF	NF	0	0	Railway Portion: Estimate sanctioned for Composite girder. GAD Revised with Bow String Girder and remarks called from CE/H. LA problem Approach Portion : DPR under preparation. Revised LA proposal sent to Govt.
146	2012-13	MDU Divn-ROB in lieu of LC No.526 at Km.748/1-2 in between Ehrukone-Kundara stations.	16.7296	16.7238	5.1016	NF	NF	0	0	Railway portion: GAD approved on 20.12.2017 Approach portion: LA in progress. DPR completed.
147	2012-13	TPJ Divn - ROB in lieu of LC No.45 at Km.36/8-9 in between Chinnababu Samudram and Puducherry stations.	18.62	18.62	0.0653	NF	NF	0	0	Estimate sanctioned. Tender calling under process
148	2012-13	MDU Divn - ROB in lieu of LC No.501 at Km.615/200-300 in between Ramanathapuram and Uchippuli stations.	18.62	18.62	0.1515	NF	NF	0	0	Railway Portion: Estimate sanctioned. Approach Portion: Tender approved. Work order to be issued. LA to be expedite
149	2012-13	TVC Divn - ROB in lieu of LC No.547 at Km.159/800-900 in between Quilon- Mayanad stations.	18.62	18.62	0.0629	NF	NF	0	0	Railway portion: Estimate under process Approach portion: DPR approved. LA Request submitted to Distric Collector.
150	2012-13	MDU Divn - ROB in lieu of LC No.346 at Km.473/600-700 in Sholvandan Yard	15.6009	16.9405	9.1356	Work completed	NF	100	80	Railway Portion: Work completed during March-17. Approach Portion: 16/17 decks completed. Approach and Service Road work held up due to want of LA issue
151	2012-13	PGT Divn - ROB in lieu of LC No.4 at km.10/300-400 in between Shoranur and Angadipuram stations.	18.4581	18.62	0.0185	NF	NF	0	0	Railway portion: GAD approved. Estimate will be prepared after DPR approved Approach portion: DPR in progress. LA problem
152	2012-13	TVC Divn-ROB in lieu of LC No.14 at Km.22/300-400 in between Punkunam and Guruvayur stations.	15.9136	17.4807	0.0195	NF	NF	0	0	Railway portion; Tender to be called Approach portion: DPR approved. LA in progress
153	2012-13	TVC Divn - ROB in lieu of LC No.555 at Km.175/1-2 in between Kappil-Edavai stations.	21.1211	21.1164	0.9083	NF	NF	0	0	Railway portion: Estimate under preparation Approach portion: LA request submitted to Dist Collector.
154	2012-13	MDU Divn-ROB in lieu of LC No.8 at Km.5/300-400 in between Dindigul and Akkaraippatti stations with LUS	10.6293	10.6293	7.4531	Work completed	Work completed	100	100	Railway portion work completed in Feb-18. Commissioned on 31/10/2018. <u>For LUS box cast</u>
155	2012-13	TVC Divn - ROB in lieu of LC No.557 at Km.176/14-15 in between Edavali-Varkala Shivagiri stations.	18.62	18.62	0.0181	NF	NF	0	0	Alignment details awaited from State Government.
156	2012-13	TPJ Divn - ROB in lieu of LC No.138 at Km.185/300-400 in between Panruti and Melpattambakkam stations.	19.7073	19.7017	2.8803	NF	NF	0	0	Railway Portion: Revised GAD sent to Rly Bd for approval Approach Portion: Design under process

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
157	2012-13	MDU Divn-ROB in lieu of LC No.6 at Km.6/500-600 in between Palayankottai and Seydunganallur stations.	21.1211	21.1164	3.4604	NF	NF	0	30	Railway Portion: Agency fixed, Permission for traffic diversion awaited. Approach Portion: 7/9 decks completed, other Remaining spans not yet started due to LA
158	2012-13	TVC Divn - ROB in lieu of LC No.3 at Km.6/7-8 in between Ernakulam and Tirupunithtura stations.	4.0936	4.0936	2.2755	Work completed	Work completed	100	100	Commissioned for traffic during June 2017. LC closed
159	2012-13	TPJ Divn-ROB in lieu of LC No.34 at Km.28/16-29/1 in between Chinnababu Samudram and Puducherry stations.	18.62	18.62	0.0000	NF	NF	0	0	Tender to be called after completion and diversion of traffic through ROB at LC39.
160	2012-13	MAS Divn-ROB in lieu of LC No.37 at Km.80/3-5 in Anavardikhanpettai station.	19.7072	19.7016	0.0008	Work completed	NF	100	0	Railway Portion: Work completed during Jan-18
161	2012-13	TPJ Divn - ROB (4lane) in lieu of LC No.43A at Km.35/6-7 in between Chinnababu Samudram and Puducherry stations.	8.7369	8.7309	0.5514	Work completed	Work completed	100	100	Approach Portion:Tender will be called after LA. Work completed. Subway to be done.App. - Commissioned during Aug-17
162	2012-13	Shoranur-Ernakulam - Limited height subway in lieu of level crossing No.12 (Minalur) and Eranakulam-Kottayam-Quilon - level crossing No.12 & 37 (Kuttoor)	18.62	18.62	3.5919	NF	NF	60	50	LC 12-Thrust bed completed, box casting completed
163	2012-13	Shoranur-Eranakulam - Limited height subway in lieu of level crossing No.12 and Eranakulam-Kottayam-Quilon - level crossing No.12 & 37			17.4026	Work completed	Work completed	100	100	Work completed
164	2012-13	Shoranur-Eranakulam - Limited height subway in lieu of level crossing No.12 and Eranakulam-Kottayam-Quilon - level crossing No.12 & 37			0.0000	NF	NF	0	0	LC -37 GAD under finalisation.
165	2012-13	MDU Divn-RUB in lieu of LC No.6 at Km.3/100-200 in between Dindigul and Akkaraippatti stations.	9.709	9.709	0.0000	NF	NF	5	0	Railway Portion: Work awarded RCC box drawing approved. Traffic diverted. Approach Portion: Work started
166	2012-13	TVC Divn-ROB in lieu of LC No.12 at Km.16/200-300 in between Thripunithura-Mulamthuruthy stations.	18.62	18.62	0.5966	Work completed	NF	100	0	Railway portion: Completed Mar-18 Approach portion: LA under process.
167	2013-14	Madurai Division -Elimination of level crossings by limited use subways (54 Nos) (Phase-I)			89.0508					Estimate sanctioned for Rs.120.74 cr Approach work in progress. LC closed
167	2013-14	UM LC No.9 at Km.11/500-600 in TEN -SDNR stations			0.0000	Work completed	NF	100	30	

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
168	2013-14	UM LC No.14 at Km.19/500-600 in SDNR-SVV stations			0.0000	Work completed	Work completed	100	100	LC eliminated by Dvn
169	2013-14	UM LC No.20 at Km.24/200-300 in TEN-SDNR stations			0.0000	Work completed	Work completed	100	100	LC eliminated by Dvn
170	2013-14	UM LC No.31 at Km.37/12-13 in TEN-SMD stations			0.0000	Work completed	Work completed	100	100	LC eliminated. Subway commissioned in Jun'18
171	2013-14	UM LC No.31 at Km.37/300-400 in SVV-NZT stations			0.0000	Work	Work	100	100	LC eliminated by Dvn
172	2013-14	UM LC No.34 at Km.40/14-15 in TEN-SMD stations			0.0000	Work completed	Work 100 completed	100		Work completed Mar-18. LC closed
173	2013-14	UM LC No.39 at Km.46/13-14 in TEN-SMD stations			0.0000	Not feasible	Not feasible	0	0	MDU Division proposes for diversion
174	2013-14	UM LC No.42 at Km.49/9-10 in SMD-ASD stations			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
175	2013-14	UM LC No.45 at Km.51/15-52/1 in SMD-ASD stations			0.0000	Work completed	Work completed	100	100	LC eliminated. Subway commissioned in Jun'18
176	2013-14	UM LC No.46 at Km.52/10-11 in SMD-ASD stations			0.0000	Work completed	Work completed	100	100	Work completed and commissioned during July-18
177	2013-14	UM LC No.49 at Km.54/13-14 in SMD-ASD stations			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
178	2013-14	UM LC No.62 at Km.67/2-3 in ASD-KKY stations			0.0000	Work completed	Work completed	100	100	LUS commissioned LC eliminated in May-18
179	2013-14	UM LC No.63 at Km.68/10-11 in ASD-KKY stations			0.0000	Work completed	Work completed	100	100	LUS commissioned LC eliminated in May-18
180	2013-14	UM LC No.66 at Km.73/7-8 in ASD-KKY stations			0.0000	Work completed	Work completed	100	100	Work completed and commissioned during July-18
181	2013-14	UM LC No.69 at Km.76/8-9 in ASD-KKY stations			0.0000	NF	NF	0	0	MDU division proposed for manning
182	2013-14	UM LC No.78 at Km.86/12-13 in MTE-PCM stations			0.0000	NF	NF	0	0	Diversion by division.
183	2013-14	UM LC No.85 at Km.94/1-2 in PCM-TSI stations			0.0000	Not feasible	Not feasible	0	0	Diversion by division.
184	2013-14	UM LC No.411 at Km.545/400-500 in VPT-SVKS stations			0.0000	Work completed	Work completed	100	100	LC eliminated. Subway commissioned in Jun'18
185	2013-14	UM LC No.412 at Km.545/900-546/0 in VPT-SVKS stations			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
186	2013-14	UM LC No.415 at Km.548/900-549/0 in VPT-SVKS stations			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
187	2013-14	UM LC No.421 at Km.555/500-600 in VPT-SVKS stations			0.0000	Work completed	Work completed	100	100	LC eliminated. Subway commissioned in Jun'18

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
188	2013-14	UM LC No.422 at Km.557/100-200 in VPT-SVKS stations			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
189	2013-14	UM LC No.432 at Km.570/600-700 in SVKS-SVPR stations			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
190	2013-14	UM LC No.433 at Km.571/300-400 in SVKS-SVPR stations			0.0000	Work completed	Work completed	100	100	LC eliminated. Subway commissioned in Jun'18
191	2013-14	UM LC No.455 at Km.603/900-604/0 in RJPM-SNKL stations			0.0000	Work completed	Work100 completed	100		Work completed in April 2018
192	2013-14	UM LC No.457 at Km.607/200-300 in RJPM-SNKL stations			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
193	2013-14	UM LC No.459 at Km.610/500-600 in RJPM-SNKL stations			0.0000	Work completed	Work completed	100	100	Work completed in April 2018
194	2013-14	UM LC No.459 at Km.558/500-600 in MNM-SUX stations			0.0000	Not feasible	Not feasible	0	0	Proposed for manning by MDU Dvn.
195	2013-14	UM LC No.464 at Km.563/000-100 in MMM-SUX stations			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
196	2013-14	UM LC No.465 at Km.616/500-600 in RJPM-SNKL stations			0.0000	Work completed	Work completed	100	100	LUS commissioned LC eliminated in May-18
197	2013-14	UM LC No.467 at Km.617/500-600 in RJPM-SNKL stations			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
198	2013-14	UM LC No.467 at Km.570/200-300 in SUX-PMK stations			0.0000	Work completed	Work100 completed	100		Work completed during March-17
199	2013-14	UM LC No.469 at Km.572/600-700 in SUX-PMK stations			0.0000	Work completed	Work completed	100	100	Work completed during March-17
200	2013-14	UM LC No.472 at Km.577/300-400 in SUX-PMK stations			0.0000	Not feasible	Not feasible	0	0	Not feasible, manning by division
201	2013-14	UM LC No.477 at Km.583/400-500 in PMK-SQD stations			0.0000	Not feasible	Not feasible	0	0	Not feasible, manning by division
202	2013-14	UM LC No.478 at Km.625/5-6 in SNKL-PBKS stations			0.0000	Work completed	Work completed	100	100	Work completed and commissioned during July-18
203	2013-14	UM LC No.479 at Km.627/5-6 in SNKL-PBKS stations			0.0000	Work completed	Work100 completed	100		Work completed during Feb-18
204	2013-14	UM LC No.483 at Km.634/300-400 in PBKS-KDNL stations			0.0000	Work completed	Work100 completed	100		Work completed in April 2018
205	2013-14	UM LC No.487 at Km.638/700-800 in KDNL-TSI stations			0.0000	Work completed	Work completed	100	100	LUS commissioned LC eliminated in May-18
206	2013-14	UM LC No.488 at Km.641/100-200 in KDNL-TSI stations			0.0000	Work completed	Work completed	100	100	Work completed during Aug-18
207	2013-14	UM LC No.489 at Km.643/200-300 in PBKS-KDNL stations			0.0000	Not feasible	Not feasible	0	0	Not feasible. Located in cutting. Division for diversion

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
208	2013-14	UM LC No.490 at Km.601/100-200 in SQD-RMD stations			0.0000	Work completed	Work completed	100	100	Work completed during April-17
209	2013-14	UM LC No.491 at Km.602/700-800 in SQD-RMD stations			0.0000	Work completed	Work completed	100	100	Work completed during April-17
210	2013-14	UM LC No.493 at Km.605/800-900 in SQD-RMD stations			0.0000	Work completed	Work completed	100	100	Work Completed during May-17
211	2013-14	UM LC No.494 at Km.608/000-100 in SQD-RMD stations			0.0000	Work completed	Work completed	100	100	Work completed during April-17
212	2013-14	UM LC No.496 at Km.610/700-800 in SQD-RMD stations			0.0000	Work	Work100	100		Work completed during in March-17
213	2013-14	UM LC No.497 at Km.611/700-800 in SQD-RMD stations			0.0000	Work	NF	100	80	LC eliminated by manning. Box inserted in shifted alignment,
214	2013-14	UM LC No.511 at Km.626/900-627/0 in RMD-UCP stations			0.0000	Work completed	Work completed	100	100	Work completed during Aug-18
215	2013-14	UM LC No.515 at Km.633/100-200 in RMD-UCP stations			0.0000	Work completed	Work completed	100	100	Work completed during Aug-18
216	2013-14	UM LC No.524 at Km.643/200-300 in UCP-MMM stations			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
217	2013-14	UM LC No.533 at Km.662/100-200 in PBM-RMM stations	7.0162	0	5.0978	Not feasible	Not feasible	0	0	Not feasible, proposed for diversion by division
218	2013-14	UM LC No.534 at Km.662/700-800 in PBM-RMM stations	44.939	0	0.2131	NA	NA	0	0	Not feasible, manning by division
219	2013-14	UM LC No.536 at Km.664/500-600 in PBM-RMM stations			0.0000	Work	Work	100	100	Work Completed during May-17
220	2013-14	UM LC No.538 at Km.665/900-666/0 in PBM-RMM stations			0.0000	NA	NA	0	0	Not feasible, manning by division
221	2013-14	Salem Division - Road over bridge in lieu of level crossing No.101 near Thonganur Halt			-0.4562	Work completed	Work completed	100	100	Railway portion - completed in Feb 16. Road approach work completed. Commissioned.
	2013-14	Mayiladuthurai-Karaikkudi - Subways in lieu of level crossings (17 nos)		1.6391						In GC Project section: working section for PKT -KKDI finalised and Subway work were taken up wherever sufficient embankment available, as per working section for TVR-PKT many Subway are not feasible.
222	2013-14	M LC No.144 at Km150/5-6 bet AYI-ATQ stations			0.0000	Work completed	Work completed	100	100	Work completed during Jun-17
223	2013-14	UM LC No.156 at Km160/8-9 bet. ATQ-KNPL stations			0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
224	2013-14	UM LC No.158 at Km162/1-2 bet. ATQ-KNPL stations			0.0000	NF	NF	0	0	Not feasible, converted as Manned LC

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
225	2013-14	M LC No.160 at Km164/11-12 bet. ATQ-KNPL stations			0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
226	2013-14	UM LC No.164 at Km167/13-14 bet. ATQ-KNPL stations			0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
227	2013-14	UM LC No.170 at Km171/0-1 bet. ATQ-KNPL stations			0.0000	Work completed	Work completed	100	100	Work executed under GC and completed In Nov-15
228	2013-14	UM LC No.173 at Km172/0-1 bet. ATQ-KNPL stations			0.0000	Work completed	Work completed	100	100	Work executed under GC and completed In Nov-15
229	2013-14	M LC No.175 at Km173/4-5 bet. ATQ-KNPL stations			0.0000	Work completed	Work completed	100	100	Work executed under GC and completed In Nov-15
230	2013-14	UM LC No.177 at Km174/900-175/000 bet. ATQ-KNPL stations			0.0000	Work completed	Work completed	100	100	Work executed under GC and completed In Nov-15
231	2013-14	UM LC No.100 at Km119/800-900 bet. PKT-PVI stations			0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
232	2013-14	M LC No.101 at Km120/300-400 bet. PKT-PVI stations			0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
233	2013-14	UM LC No.103 at Km121/700-800 bet. PKT-PVI stations			0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
234	2013-14	UM LC No.106 at Km124/000-100 bet. PKT-PVI stations			0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
235	2013-14	M LC No.108 at Km125/900-126/000 bet. PKT-PVI stations			0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
236	2013-14	UM LC No.113 at Km129/200-300 bet. PKT-PVI stations			0.0000	Work completed	Work completed	100	100	Work executed under GC and completed in Nov-15
237	2013-14	M LC No.120 at Km134/500-600 bet. PVI-AYI stations			0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
238	2013-14	UM LC No.128 at Km138/900-139/000 bet. PVI-AYI stations			0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
239	2013-14	CHENNAI- GUDUR section : Proposed 2L ROB in lieu of LC No.14 (Attipattu) at Km.22/14-16 in between Attipattu –Minjur stations.	20.5492	20.5403	3.2607	May-19	Mar-20	35	0	Railway Portion:Track span. CG Launched Adjacent span of Railway portion need LA. Approach Portion: LA in progress. DPR under preparation.
240	2013-14	SA Divn: Pro 2L ROB in lieu of LC No.185 at Km.190/400-500 in bet Salem Town & Salem Market stns	18.0117	18.5643	0.8134	NF	NF	0	0	Railway Portion: Tender to be called after completion of ROB at LC 184Approach Portion: Tender to be called. LA under process
241	2013-14	TPJ Divn:Pro 2L ROB in lieu of LC No.34 at Km.50/800-900 in bet. Kulikarai & Thiruvavarur Rly Stns	19.4688	21.3087	1.2047	Work completed	NF	100	0	Railway Portion: Completed Mar-18.Approach Portion:Due to revision in the railway span, revised estimate completed. LA under process

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
242	2013-14	TPJ Divn: Pro 2L ROB in lieu of LC No.123 at Km.147/100-200 in bet. Kaniyambadi & Vellore Cantonment stations	18.1549	19.1886	2.5176	May-19	Work	70	100	Railway Portion: Girder launched. LC closed Approach Portion: All work completed
243	2013-14	MAS Divn: Pro 4L ROB in lieu of LC No.29 at Km 35/800-900 in bet Kanchipuram East & Kanchipuram Rly stations	6.9212	6.9533	3.0689	Apr-19	Mar-20	40	40	Railway Portion: Trestle beam one side completed otherside in progress.Approach Portion: 277/324 Piles completed, 44/68 pile cap completed, 14/70 deck completed. Work held up due to court case
244	2013-14	TVC Divn: Pro 2L RUB in lieu of LC No.82 at Km.322/15-16 in bet. Valliyur & Nanguneri stations	2.3453	2.336	2.7563	Work completed	Mar-20	100	0	Railway Portion: Work completed in Aug-18 Approach Portion:Work in progress
245	2013-14	TVC Divn: Pro 2L ROB in lieu of LC No.577-B (Clay Gate) at Km.212/600-700 in between Kazhakuttam - Kochuveli stations.	18.461	18.461	0.0469	NF	NF	0	0	Alignment details awaited from State Government.
246	2013-14	TVC Divn: Pro 2L ROB in lieu of LC No.573 (Kaniyapuram) at Km.202/700-800 in between Murukkampuzha -Kazhakuttam stations.	17.0765	17.0765	0.0471	NF	NF	0	0	Alignment details awaited from State Government.
247	2013-14	PGT Divn: Pro 2L ROB in lieu of LC No.251 (Pappinisseri) at Km.761/900-762/000 in between Valapattinam - Pappinisseri stations.	16.4047	16.4047	13.3891	Work completed	Work completed	100	100	Completed in Jun-16 opened for traffic LC closed
248	2013-14	TVC Divn: Pro 2L ROB in lieu of LC No.567 (Sarkara) at Km.192/100-200 in between Chirayinkeezh - Murukkampuzha stations.	18.7352	18.7352	0.0465	NF	NF	0	0	Alignment details awaited from State Government.
249	2013-14	TVC Divn: Pro Widening of exg.2 Lane Road Over Bridge No.220-B at 107/200-300 by additional two lanes near Ernakulam South station	18.45	18.45	0.0475	NF	NF	0	0	Alignment details awaited from State Government.
250	2013-14	PGT Divn: Pro 2L ROB in lieu of LC No.281(Uduma) at Km.831/700-800 in between Kotikulam - Kasaragod stations.	13.8	13.8	0.6605	NF	NF	0	0	Alignment details awaited from State Government.
251	2013-14	TVC Divn: Pro 2L ROB in lieu of LC No.569 (Manjadimoodu) at Km.192/800-900 in between Chirayinkeezh - Murukkampuzha stations.	18.96	18.96	0.0467	NF	NF	0	0	Alignment details awaited from State Government.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
252	2013-14	TVC Divn: Pro 2L ROB in lieu of LC No.22 (Kuruppantara) at Km.41/2-3 in between Vaikam Road - Kuruppantara stations.	20.38	20.38	0.0585	NF	NF	0	0	Railway portion: GAD approved. Estimate Under process. LA needed for Rly work. Approach portion: DPR under preparation.
253	2013-14	TVC Divn: Pro 2L ROB in lieu of LC No.41 (Mamparakanniyil) at Km. 118/0-100 in between Kayankulam - Ochira stations.	20.78	20.78	0.1932	NF	NF	0	0	Alignment details awaited from State Government.
254	2013-14	MDU Divn: Pro 2L ROB in lieu of LC No.528 at Km.749/700-900 in between Kundhara - Kollam stations.	18.1	18.1	0.0000	NF	NF	0	0	As per MOU between MORTH and Railways ROB's to be provided in lieu of LC's falls on NH at their cost. NH has fixed agency for preparation of alignment and DPR.
255	2013-14	TVC Divn: Pro 2L ROB in lieu of LC No.24 (Nedupuzha) at Km.35/7-8 in between Trichur - Ollur stations.	13.006	13.006	0.3959	NF	NF	0	0	Railway portion: GAD approved. Estimate Under Preparation. Approach portion: DPR under preparation.LA to be started.
256	2013-14	TVC Divn: Pro 2L ROB in lieu of LC No.56(Chirangaraa) at Km.70/300-400 in between Chalakudi - Karukutty stations.	12.8232	12.8232	0.0464	NF	NF	0	0	Railway portion: GAD approved. Estimate Under Preparation. Approach portion: DPR approved. LA under process.
257	2013-14	PGT Divn: Pro 2L ROB in lieu of LC No.180 (Vattampoyil) at Km.663/700-800 in between Kallayi - Kozhikode stations.	21.6064	21.6064	0.0520	NF	NF	0	0	Alignment details awaited from State Government.
258	2013-14	TVC Divn: Pro 2L ROB in lieu of LC No.566 (Chirayinkil) at Km.191/400-500 in between Chirayinkeezh - Murukkampuzha stations.	16.0375	16.0375	0.0460	NF	NF	0	0	Railway portion: GAD approved on 10.10.2018.Approach portion: DPR under preparation. LA completed
259	2013-14	Chennai-Arakkonam - Subway in lieu of level crossing No.6 at km 15/10-12 between Villiwakkam and Ambattur stations	6.9659	0	0.0110	NF	NF	0	0	GAD approved. Estimate under preparation
	2013-14	Ernakulam Jn-Kottayam-Kayanakulam Jn - Subways in lieu of level crossings	(12 Nos)	29.9671	0	0.1195				
260	2013-14	LC No.17 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
261	2013-14	LC No.11 in ERS-KTYM-KYJ section			0.0000	Work completed	Work completed	100	100	Work completed during Jan'16
262	2013-14	LC No.23 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
263	2013-14	LC No.25 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
264	2013-14	LC No.28 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
265	2013-14	LC No.29 in ERS-KTYM-KYJ section			0.0000	NF	NF	20	0	Estimate sanctioned

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
266	2013-14	LC No.31 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
267	2013-14	LC No.32 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
268	2013-14	LC No.34 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
269	2013-14	LC No.35 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
270	2013-14	LC No.37 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
271	2013-14	LC No.38 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
	2013-14	PGT Division - Ernakulan Jn-Alleppey-Kayanakulam Jn - Subways in lieu of level crossings (12 Nos)	21.1237	0	0.0048					
272	2013-14	LC No.14 in ERS-ALLP-KYJ section			0.0000	NF	NF	0	0	GAD under finalisation.
273	2013-14	LC No.94 in ERS-ALLP-KYJ section			0.0000	NF	NF	50	20	Subway in doubling side completed
274	2013-14	LC No.97 in ERS-ALLP-KYJ section			0.0000	NF	NF	0	0	Decided not to construct subway instead, a parallel road to adjacent LC is proposed
275	2013-14	LC No.102 in ERS-ALLP-KYJ section			0.0000	NF	NF	20	0	Box casting in progress.
276	2013-14	LC No.106 in ERS-ALLP-KYJ section			0.0000	NF	NF	20	0	Box casting in progress.
277	2013-14	LC No.109 in ERS-ALLP-KYJ section			0.0000	NF	NF	20	0	Box casting in progress.
278	2013-14	LC No.110 in ERS-ALLP-KYJ section			0.0000	NF	NF	20	0	Box casting in progress.
279	2013-14	LC No.112 in ERS-ALLP-KYJ section			0.0000	NF	NF	0	0	Not feasible
280	2013-14	LC No.118 in ERS-ALLP-KYJ section			0.0000	NF	NF	20	0	Box casting in progress.
281	2013-14	LC No.119 in ERS-ALLP-KYJ section			0.0000	NF	NF	20	0	Box casting in progress.
282	2013-14	LC No.1 in ERS-ALLP-KYJ section			0.0000	NF	NF	0	0	Tender to be called
283	2013-14	LC No.4 in ERS-ALLP-KYJ section			0.0000	NF	NF	0	0	Tender to be called
	2013-14	Madurai Division - Elimination of unmanned level crossings by limited use subways (131 Nos)	224.9	0	59.6196					
284	2013-14	UM LC No.1 at Km.2/10-11 in MDU-BDNK section			0.0000	Not feasible	Not feasible	0	0	Not feasible. Proposed for manning
285	2013-14	UM LC No.1 at Km.1/500-600 in MEJ-TEN section			0.0000	Work completed	Work completed	100	100	Work completed during Aug-18
286	2013-14	UM LC No.2 at Km.4/6-7 in MDU-BDNK section			0.0000	NF	NF	0	0	Not feasible. Proposed for manning
287	2013-14	UM LC No.3 at Km.6/10-11 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	Work completed during Jun-17
288	2013-14	UM LC No.3 at Km.4/200-300 in MEJ-TEN section			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
289	2013-14	UM LC No.5 at Km.561/13-14 in MNM-VPT section			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
290	2013-14	UM LC No.6 at Km.9/12-13 in MDU-BDNK section			0.0000	Not feasible	Not feasible	0	0	Not feasible. Proposed for manning
291	2013-14	UM LC No.9 at Km.568/3-4 in MNM-VPT section			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
292	2013-14	UM LC No.10 at Km.9/000-100 in DG-POY section			0.0000	Work completed	Work completed	100	100	Work completed during Feb-18
293	2013-14	UM LC No.10 at Km.12/1-2 in MDU-BDNK section			0.0000	Work completed	Mar-20	100	40	Box casting Completed. Approach work could not be completed due to public agitation.
294	2013-14	UM LC No.10 at Km.13/4-5 in MEJ-TN section			0.0000	Not feasible	Note feasible	0	0	Not feasible and in harbour siding
295	2013-14	UM LC No.11 at Km.13/900-14/000 in MDU-MNM section			0.0000	NF	NF	50	0	UMLC eliminated by Temporary manning
296	2013-14	UM LC No.11 at Km.14/2-3 in MEJ-TN section			0.0000	Not feasible	Not feasible	0	0	Not feasible and in harbour siding
297	2013-14	UM LC No.13 at Km.20/0-100 in MEJ-TEN section			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
298	2013-14	UM LC No.14 at Km.13/900-14/000 in DG-POY section			0.0000	Work completed	Work completed	100	100	Work completed and commissioned during July-18
299	2013-14	UM LC No.15 at Km.15/300-400 in DG-POY section			0.0000	Work completed	Work completed	100	100	Work completed during Feb-18
300	2013-14	UM LC No.15 at Km.17/6-7 in MDU-BDNK section			0.0000	Not feasible	Not feasible	0	0	Not feasible. Proposed for manning
301	2013-14	UM LC No.15 at Km.24/700-800 in MEJ-TEN section			0.0000	Not feasible	Not feasible	0	0	Not feasible as NH is running parallel to track. Approach road not feasible. Proposed for manning
302	2013-14	UM LC No.16 at Km.574/5-6 in MNM-VPT section			0.0000	Work completed	Work completed	100	100	Work completed and commissioned during July-18
303	2013-14	UM LC No.17 at Km.16/600-700 in DG-POY section			0.0000	NF	NF	0	0	Already manned by division.
304	2013-14	UM LC No.19 at Km.19/300-400 in DG-POY section			0.0000	Work completed	Work completed	100	100	Work completed during Feb-18
305	2013-14	UM LC No.19 at Km.25/100-200 in MDU-MNM section			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
306	2013-14	UM LC No.19 at Km.23/800-900 in TEN-TCN section			0.0000	Not feasible	Not feasible	0	0	Not feasible.Manning done by Division. UMLC eliminated .
307	2013-14	UM LC No.20 at Km.21/5-6 in DG-POY section			0.0000	Work completed	Work completed	100	100	LUS commissioned LC eliminated in May-18

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
308	2013-14	UM LC No.20 at Km.21/2-3 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	Work completed during Feb-17
309	2013-14	UM LC No.21 at Km.23/1-2 in DG-POY section			0.0000	Work completed	Work completed	100	100	Work completed
310	2013-14	UM LC No.21 at Km.22/4-5 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	Work completed during Oct-18
311	2013-14	UM LC No.21 at Km.27/900-28/000 in MDU-MNM section			0.0000	Work completed	Work completed	100	100	Work completed and commissioned during July-18
312	2013-14	UM LC No.21 at Km.581/14-15 in MNM-VPT section			0.0000	Work completed	Work completed	100	100	Work completed and commissioned during July-18
313	2013-14	UM LC No.22 at Km.24/10-11 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	Work completed during March-17
314	2013-14	UM LC No.22 at Km.25/300-400 in TEN-TCN section			0.0000	Not feasible	Not feasible	0	0	Not feasible due to built up area. Manning proposed by division
315	2013-14	UM LC No.25 at Km.26/7-8 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	Work completed during Sept-17
316	2013-14	UM LC No.26 at Km.29/3-4 in DG-POY section			0.0000	Work completed	Work completed	100	100	LUS commissioned LC eliminated in May-18 Not feasible, Division proposed for Manning.
317	2013-14	UM LC No.26 at Km.28/0-1 in MDU-BDNK section			0.0000	NF	NF	0	0	
318	2013-14	UM LC No.28 at Km.591/4-5 in MNM-VPT section			0.0000	Work completed	Work completed	100	100	Work completed in Aug-18
319	2013-14	UM LC No.29 at Km.592/11-12 in MNM-VPT section			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
320	2013-14	UM LC No.30 at Km.31/6-7 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	Work completed during March-17
321	2013-14	UM LC No.30 at Km.41/900-42/000 in MDU-MNM section			0.0000	Not feasible	Not feasible	0	0	Proposed for manning by MDU Dvn.
322	2013-14	UM LC No.32 at Km.32/15-16 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	Work completed during March-17
323	2013-14	UM LC No.34 at Km.34/14-15 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	Work completed during Jan'19
324	2013-14	UM LC No.38 at Km.601/14-602/1 in MNM-VPT section			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
325	2013-14	UM LC No.40 at Km.41/5-6 in MDU-BDNK section			0.0000	Dec-19	Mar-20	0	0	Tender to be called
326	2013-14	UM LC No.40 at Km.602/14-15 in MNM-VPT section			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
327	2013-14	UM LC No.42 at Km.38/1-2 in DG-POY section			0.0000	Work completed	Work completed	100	100	Work completed and commissioned during July-18
328	2013-14	UM LC No.42 at Km.43/4-5 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	Work completed during March-19
329	2013-14	UM LC No.42 at Km.604/4-5 in MNM-VPT section			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
330	2013-14	UM LC No.43 at Km.39/11-12 in DG-POY section			0.0000	Work completed	Work completed	100	100	Work completed and commissioned during July-18
331	2013-14	UM LC No.43 at Km.605/2-3 in MNM-VPT section			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
332	2013-14	UM LC No.45 at Km.50/9-10 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	Work completed
333	2013-14	UM LC No.47 at Km.44/5-6 in DG-POY section			0.0000	Work completed	Work completed	100	100	Work completed in April 2018
334	2013-14	UM LC No.47 at Km.608/11-12 in MNM-VPT section			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
335	2013-14	UM LC No.48 at Km.45/9-10 in DG-POY section			0.0000	Work completed	Work completed	100	100	Work completed during Feb-18
336	2013-14	UM LC No.49 at Km.55/6-7 in MDU-BDNK section			0.0000	May-19	Jun-19	20	0	Box casting in progress
337	2013-14	UM LC No.50 at Km.56/7-8 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	Work completed
338	2013-14	UM LC No.51 at Km.613/4-5 in MNM-VPT section			0.0000	Work completed	Work100 completed	100		LC eliminated during Sept-18
339	2013-14	UM LC No.54 at Km.51/12-13 in DG-POY section			0.0000	Work completed	Work completed	100	100	LC closed Subway commissioned Jun'18
340	2013-14	UM LC No.54 at Km.60/5-6 in MDU-BDNK section			0.0000	Jun-19	Apr-19	0	0	Box casting in progress
341	2013-14	UM LC No.55 at Km.61/13-14 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	Work completed
342	2013-14	UM LC No.60 at Km.54/14-15 in DG-POY section			0.0000	NF	NF	0	0	Division proposed for Manning.
343	2013-14	UM LC No.61 at Km.56/1-2 in DG-POY section			0.0000	Work completed	Work completed	100	100	Completed in Mar-18. LC closed
344	2013-14	UM LC No.62 at Km.68/5-6 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	Work completed during 2016-17. Except collection well
345	2013-14	UM LC No.63 at Km.69/2-3 in MDU-BDNK section			0.0000	Not feasible	Not feasible	0	0	Diversion by division

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
346	2013-14	UM LC No.65 at Km.70/9-10 in MDU-BDNK section			0.0000	Not feasible	Not feasible	0	0	Not feasible , Hence Proposed for manning
347	2013-14	UM LC No.68 at Km.76/3-4 in TEN-TSI section			0.0000	Work completed	Work completed	100	100	LC closed Subway commissioned Jun'18
348	2013-14	UM LC No.71 at Km.76/11-12 in MDU-BDNK section			0.0000	Work completed	Work completed	0	0	Subway completed by division
349	2013-14	UM LC No.78 at Km.83/11-12 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	LC closed Subway commissioned Jun'18
350	2013-14	UM LC No.79 at Km.85/6-7 in MDU-BDNK section			0.0000	Mar-20	Mar-20	0	0	Advised by division to provide LUS duly regarding formation. Work in progress.
351	2013-14	UM LC No.80 at Km.87/4-5 in MDU-BDNK section			0.0000	Dec-19	Mar-20	0	0	Tender to be called
352	2013-14	UM LC No.84 at Km.91/7-8 in TEN-TSI section			0.0000	Work completed	Work completed	100	100	LC closed Subway commissioned Jun'18
353	2013-14	UM LC No.97 at Km.94/4-5 in DG-POY section			0.0000	Work completed	Work completed	100	100	Work completed during Feb-18
354	2013-14	UM LC No.102 at Km.99/13-14 in DG-POY section			0.0000	Work completed	Work completed	100	100	Rly. - Completed during Jan-17
355	2013-14	UM LC No.107 at Km.104/3-4 in DG-POY section			0.0000	Work completed	Work completed	0	0	LC Closed without alternate arrangment
356	2013-14	UM LC No.255 at Km.344/000-100 in TPJ-DG section			0.0000	Work completed	Work completed	0	0	LC Closed without alternate arrangment
357	2013-14	UM LC No.262 at Km.351/700-800 in TPJ-DG section			0.0000	Work completed	Work completed	100	100	Work completed during jun-17. LC closed
358	2013-14	UM LC No.267 at Km.361/700-800 in TPJ-DG section			0.0000	Work completed	Work completed	100	100	Work completed during Feb-18
359	2013-14	UM LC No.268 at Km.362/200-300 in TPJ-DG section			0.0000	Not feasible	Not feasible	0	0	Division completed manning
360	2013-14	UM LC No.271 at Km.365/200-300 in TPJ-DG section			0.0000	Work completed	Work completed	100	100	Work completed during Feb-18
361	2013-14	UM LC No.273 at Km.368/400-500 in TPJ-DG section			0.0000	Work completed	Work completed	100	100	Completed in July-17. LC closed
362	2013-14	UM LC No.286 at Km.386/600-700 in TPJ-DG section			0.0000	Work completed	Work completed	100	100	Completed in Mar-18. LC closed
363	2013-14	UM LC No.298 at Km.414/200-300 in TPJ-DG section			0.0000	Not feasible	Not feasible	0	0	Division completed manning
364	2013-14	UM LC No.320 at Km.446/600-700 in DG-MDU section			0.0000	Work completed	Work completed	100	100	Work completed and commissioned during July-18

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
365	2013-14	UM LC No.335 at Km.414/000-100 in TPJ-MNM section			0.0000	Work completed	Work completed	0	0	LC Closed without alternate arrangment
366	2013-14	UM LC No.337 at Km.415/200-300 in TPJ-MNM section			0.0000	Not feasible	Not feasible	0	0	Division proposed for manning
367	2013-14	UM LC No.338 at Km.415/700-800 in TPJ-MNM section			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
368	2013-14	UM LC No.340 at Km.468/800-900 in DG-MDU section			0.0000	Not feasible	Not feasible	50	0	Box casting completed
369	2013-14	UM LC No.347 at Km.474/800-900 in DG-MDU section			0.0000	Not feasible	Not feasible	0	0	Division proposed for manning
370	2013-14	UM LC No.352 at Km.430/7-8 in TPJ-MNM section			0.0000	Work completed	Work completed	100	100	LUS commissioned LC eliminated in May-18
371	2013-14	UM LC No.353 at Km.431/6-7 in TPJ-MNM section			0.0000	Work completed	Work completed	100	100	Work completed and commissioned during July-18
372	2013-14	UM LC No.359 at Km.438/7-8 in TPJ-MNM section			0.0000	Work completed	Work completed	0	0	LC Closed without alternate arrangment
373	2013-14	UM LC No.368 at Km.449/16-450/1 in TPJ-MNM section			0.0000	Work completed	Work completed	100	100	Work completed. LC closed
374	2013-14	UM LC No.370 at Km.451/7-8 in TPJ-MNM section			0.0000	Work completed	Work completed	100	100	Work completed during March-17. LC closed
375	2013-14	UM LC No.381 at Km.514/700-800 in MDU-VPT section			0.0000	Not feasible	Not feasible	50	0	Boxes cast
376	2013-14	UM LC No.383 at Km.517/0-100 in MDU-VPT section			0.0000	Work completed	Work completed	0	0	LC Closed without alternate arrangment
377	2013-14	UM LC No.390 at Km.468/8-9 in TPJ-MNM section			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
378	2013-14	UM LC No.392 at Km.469/13-14 in TPJ-MNM section			0.0000	Work completed	Work completed	100	100	Work completed during Jan-18
379	2013-14	UM LC No.393 at Km.470/9-471/0 in TPJ-MNM section			0.0000	Work completed	Work completed	0	0	LC Closed without alternate arrangment
380	2013-14	UM LC No.397 at Km.474/5-6 in TPJ-MNM section			0.0000	Work completed	Work completed	100	100	Work completed during March-17 LC closed
381	2013-14	UM LC No.398 at Km.475/11-12 in TPJ-MNM section			0.0000	Work completed	Work completed	100	100	Work completed during May-17
382	2013-14	UM LC No.401 at Km.478/2-3 in TPJ-MNM section			0.0000	Not feasible	Not feasible	0	0	Division proposed for manning
383	2013-14	UM LC No.419 at Km.553/300-400 in VPT-TSI section			0.0000	Work completed	Work completed	0	0	Outrightly closed by division

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
384	2013-14	UM LC No.420 at Km.554/200-300 in VPT-TSI section			0.0000	Work completed	Work completed	100	100	Work completed during Aug-18
385	2013-14	UM LC No.424 at Km.506/600-700 in TPJ-MNM section			0.0000	Work completed	Work completed	0	0	LC Closed without alternate arrangement
386	2013-14	UM LC No.425 at Km.507/500-600 in TPJ-MNM section			0.0000	Work completed	Work completed	0	0	LC Closed without alternate arrangement
387	2013-14	UM LC No.430 at Km.514/800-900 in TPJ-MNM section			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
388	2013-14	UM LC No.431 at Km.570/000-100 in VPT-TSI section			0.0000	NF	NF	0	0	Division proposes for manning
389	2013-14	UM LC No.433 at Km.523/000-100 in TPJ-MNM section			0.0000	Not feasible	Not feasible	0	0	Division proposed for manning
390	2013-14	UM LC No.434 at Km.581/900-582/0 in VPT-MEJ section			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
391	2013-14	UM LC No.436 at Km.575/800-900 in VPT-TSI section			0.0000	Not feasible	Not feasible	50	0	Boxes cast
392	2013-14	UM LC No.438 at Km.577/800-900 in VPT-TSI section			0.0000	Work completed	Work completed	0	0	LC Closed without alternate arrangement
393	2013-14	UM LC No.442 at Km.536/300-400 in TPJ-MNM section			0.0000	Work completed	Work completed	0	0	LC Closed without alternate arrangement
394	2013-14	UM LC No.443 at Km.583/100-200 in VPT-TSI section			0.0000	Work completed	Work completed	100	100	Work completed during Aug-18
395	2013-14	UM LC No.445 at Km.539/800-900 in TPJ-MNM section			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
396	2013-14	UM LC No.445 at Km.594/900-595/0 in VPT-MEJ section			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
397	2013-14	UM LC No.449 at Km.600/500-600 in VPT-MEJ section			0.0000	Not feasible	Not feasible	0	0	Division proposed for diversion.
398	2013-14	UM LC No.459 at Km.612/800-900 in VPT-MEJ section			0.0000	Not feasible	Not feasible	0	0	Division proposed for diversion.
399	2013-14	UM LC No.460 at Km.559/600-700 in MNM-RMM section			0.0000	Not feasible	Not feasible	0	0	Division proposed for diversion.
400	2013-14	UM LC No.460 at Km.614/200-300 in VPT-MEJ section			0.0000	Not feasible	Not feasible	0	0	Division proposed for Manning.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
401	2013-14	UM LC No.465 at Km.619/100-200 in VPT-MEJ section			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
402	2013-14	UM LC No.466 at Km.620/600-700 in VPT-MEJ section			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
403	2013-14	UM LC No.477 at Km.636/800-900 in MEJ-TN section			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
404	2013-14	UM LC No.479 at Km.586/400-500 in MNM-RMM section			0.0000	NF	NF	50	0	Boxes cast
405	2013-14	UM LC No.481 at Km.641/9-10 in MEJ-TN section			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
406	2013-14	UM LC No.481 at Km.631/16-632/1 in VPT-TSI section			0.0000	Work completed	Work completed	100	100	Work completed and commissioned during July-18
407	2013-14	UM LC No.486 at Km.636/800-900 in VPT-TSI section			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
408	2013-14	UM LC No.503 at Km.618/600-700 in MNM-RMM section			0.0000	Work completed	Work completed	100	100	Work completed during Aug-18
409	2013-14	UM LC No.511 at Km.671/10-11 in SCT-QLN section			0.0000	Work completed	Work completed	100	100	Work completed under GC
410	2013-14	UM LC No.516 at Km.684/3-4 in SCT-QLN section			0.0000	Work completed	Work completed	100	100	Work completed under GC
411	2013-14	UM LC No.521 at Km.638/700-800 in MNM-RMM section			0.0000	NF	NF	0	0	Division proposed for Manning.
412	2013-14	UM LC No.456 at Km.610/600-700 in VPT-MEJ section			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
413	2013-14	UM LC No.458 at Km.612/200-300 in VPT-MEJ section			0.0000	Not feasible	Not feasible	0	0	MDU Division proposed for manning
414	2013-14	UM LC No.25 B at Km.587/1-2 in MNM-VPT section			0.0000	Work completed	Work completed	100	100	Work completed in Aug-18
415	2014-15	PGT Divn: SHORANUR - MANGALORE: 2L ROB in lieu of LC No.273 at Km. 815/200-300 in bet Nileshwar and Kanhangad Rly stns	19.724	19.724	0.0000	NF	NF	0	0	Alignment details awaited from State Government.
416	2015-16	Pro ROB in lieu of LC No.293 at km. 877/100-200 near ULLAL station yard in SRR-MAQ section	17.5	17.5	0.0000	NF	NF	0	0	Alignment details awaited from State Government.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
417	2015-16	Pro ROB in lieu of LC No.294 at km. 886/500-600 near BUNDER Rly station MAQ-BUNDER section	18.2	18.2	0.0000	NF	NF	0	0	Alignment details awaited from State Government.
418	2015-16	PGT Divn: Pro 2L ROB in lieu of LC No.265 at Km.792/600-700 in between Payyanur and Trikarpur Rly Stns	20.3	20.3	0.0000	NF	NF	0	0	Alignment details awaited from State Government.
419	2015-16	PGT Divn: Pro 2L ROB in lieu of LC No.267 at Km.795/500-600 in bet Trikarpur and Charvattur Rly Stns	19.34	19.34	0.0000	NF	NF	0	0	Alignment details awaited from State Government.
420	2015-16	TPJ Divn: Pro 2L ROB in lieu of LC No. 226 at Km 311/800-900 in bet. Kattur & Lalgudi Rly Stns	20.215	20.215	-0.0150	NF	NF	0	0	Tender to be called pending due to LA
421	2015-16	Podanur-Palghat & Palghat Town - subways in lieu of level crossing No. 154, 51 & 11 (3 Nos)	6.98	0	0.0000	NF	NF	0	0	M LC 154 also sanctioned in LAW 397
422	2015-16	Podanur-Palghat & Palghat Town - subways in lieu of level crossing No. 154, 51 & 11 (3 Nos)			0.0000	NF	NF	0	0	M LC51 Tender to be called
423	2015-16	Podanur-Palghat & Palghat Town - subways in lieu of level crossing No. 154, 51 & 11 (3 Nos)			0.0000	Work completed	Work completed	100	100	Work completed
424	2015-16	PGT Divn: Pro 2L ROB in lieu of LC No.205 at Km.691/400-500 in bet Quilandi and Tikkotti Rly Stns	19.6	19.6	0.0000	NF	NF	0	0	Alignment details awaited from State Government.
425	2015-16	TVC Divn: Pro 2L ROB in lieu of LC No.55 at Km.129/8-9 in between Karunagapalli and Sasthankotta Rly Stns	19.95	19.95	0.0000	NF	NF	0	0	GAD sent to CN/ERS by RBDCK on 09/07/ 2018. GAD under scrutiny
426	2015-16	Pro 2L ROB in lieu of LC No.50 at Km. 126/6-7 in between Ochira and Karunagapalli Rly STns	19.16	19.16	0.0000	NF	NF	0	0	Alignment details awaited from State Government.
427	2015-16	TVC Divn: Pro 2L ROB in lieu of LC No.11 at Km.13/8-9 in bet Tripunittura and Mulanturutti Rly Stns	18.72	18.72	0.0000	NF	NF	0	0	Alignment details awaited from State Government.
428	2015-16	TVC Divn: Pro 2L ROB in lieu of LC No.26 at Km.39/13-14 in bet Ollur and Pudukad Rly Stns	20.92	20.92	0.0000	NF	NF	0	0	Alignment details awaited from State Government.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
429	2015-16	TVC Divn: Pro 2L ROB in lieu of LC No.574 at Km.203/13-14 in bet Kollam and Thiruvananthapuram Rly Stns	19.16	19.16	0.0000	NF	NF	0	0	Alignment details awaited from State Government.
430	2015-16	MAS Divn: Pro 2L ROB in lieu of LC No. 67 at Km.160/2-4 in bet Melalathur & Valathoor Rly Stns	18.8101	18.7956	0.0000	Work completed	NF	100	0	Railway Portion : Completed Mar-18. Approach Portion:DPR under preparation. LA in progress.
431	2015-16	PGT Divn: Pro 2L ROB in lieu of LC No.291 at Km.868/700-800 in bet Manjeshwar and Ullal Rly Stns	19.98	19.98	0.0000	NF	NF	0	0	Alignment details awaited from State Government.
432	2015-16	PGT Divn: Pro 2L ROB in lieu of LC No.204 at Km.690/600-700 in between Quilandi and Tikkotti Rly Stns	19.34	19.34	0.0000	NF	NF	0	0	Alignment details awaited from State Government.
433	2015-16	MAS Divn: Pro 2L ROB in lieu of LC No. 59 at Km.142/14-16 in bet LATTERI and VIRINCHIPURAM Rly stations	20.0051	22.3614	5.8236	Work completed	Jan-20	100	0	Railway Portion: Work completed during Dec-17 Approach Portion : Work started
434	2015-16	TPJ Divn: Pro 2L ROB in lieu of LC No.16 at Km.15/400-500 in bet. Mayiladuthurai & Peralam Rly Stns	21.2389	22.2192	8.1763	Work completed	NF	100	0	Railway Portion:Work completed in Feb-18 Approach Portion:Tender to be called. LA under process
435	2015-16	TVC Divn: Pro 2L ROB in lieu of LC No. 15 at Km. 259/500-600 in bet Kuzhithurai and Eraniel Rly Stns	19.96	19.96	0.0000	NF	NF	0	0	Railway Portion: Final GAD approved. Estimate to be prepared. Approach Portion : DPR is under proof check in Design wing. A.S proposal for LA sent to Govt.
436	2015-16	MDU Divn: Pro 2L ROB in lieu of LC No. 377 at Km. 512/400-500 at Tirumangalam Rly Stns	20.256	20.5457	0.0000	NF	NF	0	0	Revised GAD with BOW String Girder under scrutinizing
437	2015-16	MDU Divn: Pro 2L ROB in lieu of LC No. 83 at Km. 90/600-700 in bet Pavurchutram and Tenkasi Jn.Rly Stns	18.9879	18.9879	0.0000	NF	NF	0	10	Railway Portion : Estimate under process.GAD approved for additional 2 lanes as deposit workApproach portion : Estimate under preparation.
438	2015-16	SA Divn: Pro 2L ROB in lieu of LC No. 10 at Km. 9/1-2 in between Omalur & Mecheri Road Rly Stns	18.9572	18.9572	0.0000	NF	NF	0	0	Railway portion:Revised GAD approved . Detailed estimate submitted for sanctionApproach portion: Four laning is proposed by TNRSP.
439	2015-16	SA Divn: Pro 2L ROB in lieu of LC No. 18 at Km. 24/10-11 at Mecheri Road Yard	25.7468	25.7468	7.5604	Work completed	NF	100	0	Railway Portion: CompletedApproach Portion:Estimate under preparation

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
440	2015-16	TPJ Divn: Pro 2L ROB in lieu of LC No. 157 at Km. 204/400-500 in bet Nellikuppam and Tiruppadiripuliyur Rly Stns	19.1436	19.139	0.2298	NF	NF	0	0	Railway Portion : work awarded two years back. Couldn't started due to non decision of HW approach work though GAD was concurred long back Approach Portion: Committee not agreed for adoption of 1 in 22.5 gradient, hence alternate proposal will be submitted by State Govt. Since ROB is not feasible.
441	2015-16	MDU Divn: Pro 2L ROB in lieu of LC No. 449 at Km. 591/900-592/000 in bet Rajapalaiyam and Sankarankovil Rly Stns	18.8037	19.9559	0.0000	NF	NF	0	0	Railway Portion: Re-tender to be called Approach Portion: Agreement executed on 04-09-2018. Work to be started.
442	2015-16	SA Divn: Pro 2L ROB in lieu of LC No. 15 at Km. 15/13-14 in between Omalur and Mecheri Road Rly Stns	18.8528	18.842	1.8479	Work completed	NF	100	0	Railway Portion: Completed Mar-18 Approach Portion: Tender to be called. LA under process
443	2015-16	MAS Divn: Pro 2L ROB in lieu of LC No.26 at km35/6-8 bet. Ponneri & Kavaraipettai Rly Stns	19.311	21.0455	4.4559	May-19	Mar-20	30	0	Railway Portion: Substructure completed, Steel girder fabricated and at site Approach Portion: Estimate under preeparation. AS proposal will be sent to government shortly. LA to be expedite
444	2015-16	MDU Divn: Pro 2L ROB in lieu of LC No. 427 at Km. 563/100-200 at Sivakasi Yard	19.9159	20.1321	0.0000	NF	NF	0	0	Revised GAD (with Bow string girder) concurred by state govt for 10.9m carriage way and the same is under scrutiny for cost sharing
445	2015-16	SA Divn: Pro 2L ROB in lieu of LC No. 21 at Km. 31/9-10 in between Mecheri Road and Mettur Dam Rly Stns	18.9329	20.0832	0.3028	NF	NF	5	0	Railway Portion: Work awarded. GAD with ALT-1 for 2.1m girder depth tconcurred by CE/HW. Cost sharing pattern under discussion. LA involved Approach portion : Tender to be called
446	2015-16	TPJ Divn: Pro 2L ROB in lieu of LC No.20 at Km.30/000-100 at Nidamangalam Yard	8.97	44.95	0.5486	NF	NF	0	0	Railway Portion: Tender foreclosed as highways requested for change in alignment. Approach Portion: LA in progress
447	2015-16	TPJ Divn: Pro 2L ROB in lieu of LC No. 323 at Km399/ 500-600 in bet. Tiruverambur - Ponmalai Rly Stns	19.0428	19.0251	0.0047	NF	NF	0	0	Revised GAD with Twin box approved.
448	2015-16	TPJ Divn: Pro 2L ROB in lieu of LC No. 55 at Km. 67/100-200 in bet TANDARAI and TIRUVANNAMALAI stations	18.1936	21.3082	0.0000	NF	NF	0	0	Railway Portion: Work awarded. LC closure permission got from Dist Collector. Traffic Diversion pending. Approach Portion: Work started Railway Portion: Completed Mar-18 Approach Portion : Work commenced

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
449	2015-16	TPJ Divn: Pro 2L ROB in lieu of LC No.144 at Km. 182/3-4 in bet TIRUVENNAI NALLUR ROAD and PARIKKAL Ry stns	19.1896	21.411	5.6725	Work completed	Jan-20	100	0	
450	2015-16	TVC Divn: Pro 2L ROB in lieu of LC No.543 at Km.157/200-300 in bet Kollam and Mayyanad Rly Stns (S.N.College Gate)	19.16	19.16	0.0000	NF	NF	0	0	Alignment details awaited from State Government.
451	2015-16	SA Divn: Pro 2L ROB in lieu of LC No. 142-A at Km.466/21-23 in bet. Somanur & Sular Road Rly Stns	19.545	21.0927	3.2017	Mar-20	NF	80	0	Railway Portion: Out of 3 spans, Track span completed. For additional span in railway portion, LA by state government to be expedited Approach Portion:Administrative Sanction proposal to be sent to Government. LA in advance stage.
452	2015-16	TPJ Divn: Pro 2L ROB in lieu of LC No. 48 at Km.77/700-800 in bet. Naga-patinam & Nagore Rly Stns with LUS	22.2777	22.2777	6.4617	Work completed	NF	100	0	Railway Portion: Work completed during Jan-18Approach Portion: Revised alignment is being prepared
453	2015-16	TPJ Divn: Pro 2L ROB in lieu of LC No. 80 at Km. 99/100-200 at POLUR Yard	18.2174	19.3153	0.0140	NF	NF	5	0	Railway Portion: Work Awarded. LC closure permitted from Dist.Collector. Traffic diversion pending. Approach Portion: Work started
454	2015-16	SA Divn: Pro 2L ROB in lieu of LC No. 11 at Km. 26/100-200 in between Karamadai and Mettupalaiyam Rly Stns	18.6953	20.0076	0.2120	May-19	Mar-20	25	0	Railway Portion: One side completed and for other side in Rly portion LA to be expedited Approach Portion: Estimate under scrutiny. LA to be expedite
455	2015-16	MDU Divn: Pro 2L ROB in lieu of LC No. 424 at Km. 559/700-800 at Tiruttangal Rly Stn	20.9014	20.9014	0.0000	NF	NF	0	0	Final GAD approved and handed over to CN/MS
456	2015-16	MAS Divn: Pro 2L ROB in lieu of LC No. 72 at Km. 168/12-14 in bet Valathoor and Melpatti Rly Stns	19.04	19.04	3.2919	Work completed	NF	100	0	Railway Portion: Completed Mar-18. Approach Portion: Estimate stage.
457	2015-16	SA Divn: Pro 2L ROB in lieu of LC No. 7 at Km. 6/4-5 in between Magnesite and Omalur Rly Stns	19.0674	20.2249	1.4015	Work completed	NF	100	0	Railway Portion: Completed Mar-18. Approach Portion. LA under process.
458	2016-17	Pro Road over bridge with Limited Height Subway in lieu of exg LC No. 169 @ km 182/200-300 in bet Minnampalli - Salem Town stns with subway	25.2002	25.2002	0.0000	NF	NF	0	0	GAD under preparation

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
459	2016-17	Pro ALHS in lieu of exg LC No.169 @ km 182/200-300 in bet Minnampalli - Salem Town stns.			0.0000	NF	NF	0	0	Alignment details awaited
460	2016-17	Pro 2L ROB with Limited Height Subway in lieu of LC No.156 at Km. 523/22-24 in between KANJIKODE and PALGHAT JN Railway stations	27.2428	27.2428	0.0000	NF	NF	0	0	Alignment plan awaited from State
461	2016-17	Pro ALHS in lieu of LC No.156 at Km. 523/22-24 in between KANJIKODE and PALGHAT JN Railway stations			0.0000	NF	NF	0	0	Alignment plan awaited from State
462	2016-17	Arakkonam Jn—Renigunta— Road over bridge in lieu of LC No.56 with subway between Vepagunta and Puttur stations	29.3174	29.3184	0.0000	NF	NF	0	0	Provisional GAD sent to state government for approval
463	2016-17	Arakkonam Jn—Renigunta— Road over bridge in lieu of LC No.56 with subway between Vepagunta and Puttur stations			0.0000	NF	NF	0	0	Alignment details awaited
	2016-17	Madurai Division - Subways in lieu of level crossings - 36 nos	90		71.3395					Work sanctioned in 2016-17 budget
464	2016-17	Limited height subway in lieu of LC No.318 in DG-MDU section @ Km. 445/500-600			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
465	2016-17	Limited height subway in lieu of LC No.322 in DG-MDU section @ Km. 450/600-700			0.0000	Work completed	Work completed	100	100	Work completed and commissioned during July-18
466	2016-17	Limited height subway in lieu of LC No.349A in DG-MDU section @ Km. 479/700-800			0.0000	Not feasible	Not feasible	0	0	Proposed for manning by MDU Dvn.
467	2016-17	Limited height subway in lieu of LC No.7 in MDU-BDNK section @ Km. 10/2-3			0.0000	NF	NF	0	0	Diversion to LC 6 by division
468	2016-17	Limited height subway in lieu of LC No.9 in MDU-BDNK section @ Km. 11/8-9			0.0000	Work completed	Jul-19	100	0	Box casting Completed. Approach in progress.
469	2016-17	Limited height subway in lieu of LC No.13 in MDU-BDNK section @ Km. 15/6-7			0.0000	Work completed	Jul-19	100	0	Box casting completed. Approach work in progress

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
470	2016-17	Limited height subway in lieu of LC No.16 in MDU-BDNK section @ Km. 18/400-500			0.0000	NF	NF	10	0	Closed. Diversion to LC 15 by division
471	2016-17	Limited height subway in lieu of LC No.24 in MDU-BDNK section @ Km. 25/13-14			0.0000	NF	NF	0	0	Proposed for diversion by division to LUS 25
472	2016-17	Limited height subway in lieu of LC No.29 in MDU-BDNK section @ Km. 30/7-8			0.0000	Work completed	Aug-19	100	0	Box casting completed. Approach in progress.
473	2016-17	Limited height subway in lieu of LC No.37 in MDU-BDNK section @ Km. 37/14-15			0.0000	Work completed	Work completed	100	100	Work completed during March-19
474	2016-17	Limited height subway in lieu of LC No.38 in MDU-BDNK section @ Km. 38/7-8			0.0000	Work completed	Work completed	100	100	Work completed during March-19
475	2016-17	Limited height subway in lieu of LC No.39 in MDU-BDNK section @ Km. 40/7-8			0.0000	Work completed	Aug-19	100	0	Box casting completed. Approach in progress.
476	2016-17	Limited height subway in lieu of LC No.41 in MDU-BDNK section @ Km. 41/13-14			0.0000	Dec-19	Mar-20	0	0	Advised by division to provide LUS duly regarding formation. Tender to be called
477	2016-17	Limited height subway in lieu of LC No.46 in MDU-BDNK section @ Km. 51/12-13			0.0000	Jun-19	Apr-19	5	0	Box casting in progress
478	2016-17	Limited height subway in lieu of LC No.47 in MDU-BDNK section @ Km. 54/13-14			0.0000	Work completed	Work100 completed	100		Work completed during Nov-16 under GC works.
479	2016-17	Limited height subway in lieu of LC No.59 in MDU-BDNK section @ Km. 64/14-65/1			0.0000	Work completed	Work100 completed	100		Work completed during March-19
480	2016-17	Limited height subway in lieu of LC No.64 in MDU-BDNK section @ Km.			0.0000	Work completed	Work completed	100	100	Work completed in Oct-16 under GC works.
481	2016-17	Limited height subway in lieu of LC No.73 in MDU-BDNK section @ Km 77/16-78/1			0.0000	Work completed	Jul-19	100	30	Box casting completed. Approach in progress.
482	2016-17	Limited height subway in lieu of LC No.74 in MDU-BDNK section @ Km. 79/8-9			0.0000	Work completed	Jul-19	100	0	Box casting completed. Approach in progress.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
483	2016-17	Limited height subway in lieu of LC No.75 in MDU-BDNK section @ Km. 80/3-4			0.0000	Work completed	Aug-19	100	0	Box casting completed. Approach in progress.
484	2016-17	Limited height subway in lieu of LC No.82 in MDU-BDNK section @ Km. 88/6-7			0.0000	NF	NF	0	0	Proposed to divert traffic to LC 83 by division
485	2016-17	Limited height subway in lieu of LC No.461 in MNM-RMM section @ Km. 561/000-100			0.0000	Work completed	Work completed	100	100	Work completed during Aug-18
486	2016-17	Limited height subway in lieu of LC No.466 in MNM-RMM section @ Km. 568/100-200			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
487	2016-17	Limited height subway in lieu of LC No.23 in MNM-VPT section @ Km. 583/800-900			0.0000	Work completed	Work completed	100	100	Work completed in Aug-18
488	2016-17	Limited height subway in lieu of LC No.54 in MNM-VPT section @ Km. 615/800-900			0.0000	NF	NF	0	0	Outrightly closed by division
489	2016-17	Limited height subway in lieu of LC No.508 in SCT-PUU section @ Km. 670/6 - 7			0.0000	Work completed	Work completed	100	100	Work completed during GC works
490	2016-17	Limited height subway in lieu of LC No.7 in TEN-TCN section @ Km. 8/600-700			0.0000	NA	NA	0	0	MDU Division constructed the subway.
491	2016-17	Limited height subway in lieu of LC No.16 in TEN-TCN section @ Km. 21/300-400			0.0000	NA	NA	0	0	MDU Division constructed the subway.
492	2016-17	Limited height subway in lieu of LC No.56 in TEN-TSI section @ Km. 60/500-600			0.0000	Work completed	NF	100	0	Box casting completed
493	2016-17	Limited height subway in lieu of LC No.61 in TEN-TSI section @ Km. 65/700-800			0.0000	NF	NF	0	0	Bank height 0.5m. Not feasible Division proposed for manning.
494	2016-17	Limited height subway in lieu of LC No.275 in TPJ-DG section @ Km. 371/500-600			0.0000	Work completed	Work completed	100	100	Work completed Mar-18. LC closed

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
495	2016-17	Limited height subway in lieu of LC No.292 in TPJ-DG section @ Km. 404/800-900			0.0000	Work completed	Work completed	100	100	Work completed during Feb-18
496	2016-17	Limited height subway in lieu of LC No.414 in TPJ-MNM section @ Km. 490/800-900			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
497	2016-17	Limited height subway in lieu of LC No.439 in TPJ-MNM section @ Km. 530/800-900			0.0000	Work completed	Work completed	100	100	Work completed during Aug-18
498	2016-17	Limited height subway in lieu of LC No.446 in TPJ-MNM section @ Km. 540/800-900			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
499	2016-17	Limited height subway in lieu of LC No.449 in TPJ-MNM section @ Km. 544/000-100			0.0000	NF	NF	0	0	Not feasible. Division proposed for manning
500	2016-17	Road over bridge in lieu of LC No.137 @ km 457/9-11 in bet Vanjipalyam - Somanur stns with Limited Height Subway	26.6767	26.6767	0.0000	NF	NF	0	0	Railway Portion : GAD with Bow string Girder approved. Approach portion: Combined GAD under preparation
501	2016-17	Pro ALHS in lieu of LC No.137 @ km 457/9-11 in bet Vanjipalyam - Somanur stns.			0.0000	NF	NF	0	0	GAD with Bow string Girder approved.
502	2016-17	Pro 2L ROB with Limited Height Subway in lieu of LC No.211 at Km. 701/600-700 in between TIKKOTTI and VADAKARA Railway stations	24.1765	24.1765	0.0000	NF	NF	0	0	Alignment plan awaited from State
503	2016-17	Pro ALHS in lieu of LC No.211 at Km. 701/600-700 in between TIKKOTTI and VADAKARA Railway stations		0.0000	NF	NF	0	0		Alignment plan awaited from State
504	2016-17	Pro 2L ROB with Limited Height Subway in lieu of LC No.61 at Km. 132/14-15 in between KARUNAGAPALLI and SASTHANKOTTA Rly Stns	25.2096	25.2096	0.0000	NF	NF	0	0	Alignment details Awaited from state government
505	2016-17	Pro ALHS in lieu of LC No.61 at Km. 132/14-15 in between KARUNAGAPALLI and SASTHANKOTTA Rly Stns			0.0000	NF	NF	0	0	Alignment details Awaited from state government

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
506	2016-17	Road over bridge in lieu of LC No. 122 @ 123/1-2 in bet Pollachi - Podanur stns with Limited Height Subway	23.6906	23.6906	0.0000	NF	NF	0	0	Railway Portion : GAD approved. Railway will borne cost of 2L ROB only on cost sharing pattern (50:50) As per the extant directives of Railway Board. Sharable width to be finalized by CBE/MAS Approach portion: Administrative Sanction sent to Government.
507	2016-17	Pro ALHS in lieu of LC No.122 @ 123/1-2 in bet Pollachi - Podanur stns.			0.0000	NF	NF	0	0	GAD approved
508	2016-17	Pro 2L ROB with Limited Height Subway in lieu of LC No.227 at Km. 731/100-200 in between JAGANNATH TEMPLE GATE and TELLICHERRY stns	24.8841	24.8841	0.0000	NF	NF	0	0	Alignment details Awaited from state government
509	2016-17	Pro ALHS in lieu of LC No.227 at Km. 731/100-200 in between JAGANNATH TEMPLE GATE and TELLICHERRY stns			0.0000	NF	NF	0	0	Alignment details Awaited from state government
510	2016-17	Pro 2L ROB with Limited Height Subway in lieu of LC No.224 at Km. 728/300-400 in between MAHE and TELLICHERRY Railway stations	24.8841	24.8841	0.0000	NF	NF	0	0	Alignment plan awaited from State
511	2016-17	Pro ALHS in lieu of LC No.224 at Km. 728/300-400 in between MAHE and TELLICHERRY Railway stations			0.0000	NF	NF	0	0	Alignment plan awaited from State, Estimate sanctioned
512	2016-17	Pro RUB of 7.5x5.5m in lieu of LC No. 28 @ km 64/4-6 in bet Mosur - Arakkonam stns with subway.	28.6227	28.6227	0.0000	NF	NF	0	0	Railway Portion: Estimate sanctioned . Revised GAD as twin box proposal approved by CBE Approach portion: Approved GAD received. DPR under preparation in Designs wing. Joint Inspection by Railways with HW , PWD, Revenue authorities were done on 24/10/18 regarding diversion of exg. water canal
513	2016-17	Pro Road over bridge in lieu of LC No. 141 @ km 463/24-26 IN BET Somanur - Sulurroad stns with Limited Height Subway	25.4502	25.4502	0.0000	NF	NF	0	0	Railway Portion: GAD with Bow string Girder approved. Approach portion: Design under preparation.
514	2016-17	Pro ALHS in lieu of LC No.141 @ km 463/24-26 IN BET Somanur - Sulurroad stns.			0.0000	NF	NF	0	0	Alignment details Awaited from state government

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
515	2016-17	Pro 2L ROB with Limited Height Subway in lieu of LC No.283 at Km. 840/300-400 in between Kasaragod and Kumbla Railway stations	24.4124	24.4124	0.0000	NF	NF	0	0	Alignment details Awaited from state government
516	2016-17	Pro ALHS in lieu of LC No.283 at Km. 840/300-400 in between Kasaragod and Kumbla Railway stations			0.0000	NF	NF	0	0	Alignment details Awaited from state government
517	2016-17	Pro Road over bridge with Limited Height Subway in lieu of level crossing No. 135 @ km 453/11-13 in bet Vanjipalyam - Somanur stns with subway	26.0163	26.0163	0.0000	NF	NF	0	0	Railway Portion: GAD with Bow string Girder approved.Approach portion: Combined GAD under preparation
518	2016-17	Pro ALHS in lieu of level crossing No. 135 @ km 453/11-13 in bet Vanjipalyam - Somanur stns with subway		0.0000	NF	NF	0	0		Revised GAD is approved
519	2016-17	Pro 2L ROB with Limited Height Subway in lieu of LC No.7 at Km. 81/800-900 in between Changanaseri and Tiruvalla Railway stations	25.3087	25.3087	0.0000	NF	NF	0	0	Alignment details Awaited from state government
520	2016-17	Pro ALHS in lieu of LC No.7 at Km. 81/800-900 in between Changanaseri and Tiruvalla Railway stations			0.0000	NF	NF	0	0	Alignment details Awaited from state government
521	2016-17	Pro 2L ROB with Limited Height Subway in lieu of LC No.549 at Km. 162/000-100 in between Kollam Jn and Mayyanad Railway stations	25.6389	25.6389	0.0000	NF	NF	0	0	Alignment details Awaited from state government
522	2016-17	Pro ALHS in lieu of LC No.549 at Km. 162/000-100 in between Kollam Jn and Mayyanad Railway stations			0.0000	NF	NF	0	0	Alignment details Awaited from state government
523	2016-17	Pro 2L ROB with Limited Height Subway in lieu of LC No.558 at Km. 177/800-900 in between Paravur and Varkalashivagiri Railway stations	24.4124	24.4124	0.0000	NF	NF	0	0	Alignment details Awaited from state government
524	2016-17	Pro ALHS in lieu of LC No.558 at Km. 177/800-900 in between Paravur and Varkalashivagiri Railway stations			0.0000	NF	NF	0	0	Alignment details Awaited from state government

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
525	2016-17	Pro 2L ROB with Limited Height Subway in lieu of LC No.218 at Km. 722/400-500 in between VADAKARA and MAHE Railway stations	25.4974	25.4974	0.0000	NF	NF	0	0	Alignment plan awaited from State
526	2016-17	Pro ALHS in lieu of LC No.218 at Km. 722/400-500 in between VADAKARA and MAHE Railway stations			0.0000	NF	NF	0	0	Alignment plan awaited from State
527	2016-17	Pro Road over bridge with Limited Height Subway in lieu of LC No.4 @ km 6/800-900 in bet Coimbatore North - Karaimadai stns with subway	24.2237	24.2237	0.0000	NF	NF	0	0	Provisional GAD sent to state government for concurrence
528	2016-17	Pro ALHS in lieu of LC No.4 @ km 6/800-900 in bet Coimbatore North - Karaimadai stns with subway			0.0000	NF	NF	0	0	Alignment plan awaited from State
529	2016-17	Pro Road over bridge with Limited Height Subway in lieu of LC No.5 @ km 8/000-100 in bet Coimbatore North - Karaimadai stns with subway	24.7575	24.7575	0.0000	NF	NF	0	0	Railway Portion: Estimate under process Approach Portion: DPR under preparation.
530	2016-17	Pro ALHS in lieu of LC No.5 @ km 8/000-100 in bet Coimbatore North - Karaimadai stns with subway			0.0000	NF	NF	0	0	GAD approved for size 3.0mX2.75m PSW
531	2016-17	Pro Road over bridge with Limited Height Subway in lieu of LC No.131 @ km 139/100-200 between Chinnasalem and Athur stations in SA-VRI section	23.5963	23.5963	0.0000	NF	NF	0	0	Railway Portion: GAD approved. Approach Portion: Estimate sanctioned on 20.04.2017. LA is in advance stage.
532	2016-17	Pro ALHS in lieu of LC No.131 @ km 139/100-200 between Chinnasalem and Athur stations in SA-VRI section			0.0000	NF	NF	0	0	Railway portion: GAD approved detailed estimate submitted for sanction.
533	2016-17	Pro 2L ROB with Limited Height Subway in lieu of LC No.190 at Km. 670/000-100 in between WEST HILL and ELATTUR Railway stations	24.6011	24.6011	0.0000	NF	NF	0	0	Alignment plan awaited from State
534	2016-17	Pro ALHS in lieu of LC No.190 at Km. 670/000-100 in between WEST HILL and ELATTUR Railway stations		0.0000	NF	NF	0	0		Alignment plan awaited from State
535	2016-17	Villupuram-Pondicherry- Subways in lieu of level crossing No. 17,21 & 29A (3 Nos.)	8.19	0	4.4132	Work completed	Work completed	100	100	Work completed during Aug-18

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
536	2016-17	Villupuram-Pondicherry- Subways in lieu of level crossing No. 17,21 & 29A (3 Nos.)			0.0000	Work completed	Work completed	100	100	Work completed in April 2018
537	2016-17	Villupuram-Pondicherry- Subways in lieu of level crossing No. 17,21 & 29A (3 Nos.)			0.0000	NF	NF	10	0	Manned by TPJ Division
538	2016-17	Villupuram-Katpadi- Subways in lieu of level crossing No. 7,15,17 & 18 (4 Nos.)	10.9022	0	11.8346	NF	NF	0	0	Division proposes for manning
539	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 7,15,17 & 18 (4 Nos.)			0.0000	NF	NF	0	0	Division proposes for manning
540	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 7,15,17 & 18 (4 Nos.)			0.0000	NA	NA	0	0	Work executed by TPJ Dvn.
541	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 7,15,17 & 18 (4 Nos.)			0.0000	Work completed	Work completed	100	100	Work completed and commissioned during July-18
542	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 25,29,34 & 47 (4 Nos.)	14.8436	0	0.0101	NF	NF	0	0	Division proposes for manning
543	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 25,29,34 & 47 (4 Nos.)			0.0000	NA	NA	0	0	Work executed by TPJ Dvn.
544	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 25,29,34 & 47 (4 Nos.)			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
545	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 25,29,34 & 47 (4 Nos.)			0.0000	Work completed	Work completed	100	100	Work completed during Aug-18
546	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 85,96,99 & 104 (4 Nos.)	15.1701	0	0.0497	Work completed	Work completed	100	100	Work completed during Aug-18
547	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 85,96,99 & 104 (4 Nos.)			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
548	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 85,96,99 &104 (4 Nos.)			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
549	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 85,96,99 &104 (4 Nos.)			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
550	2017-18	Quilandi-Badagara - Limited use subways in lieu of level crossing No.209, 210 & 211/A	8.8221	0	0.0000	NF	NF	0	0	Sanctioned in 2017-18 budget
551	2017-18	Quilandi-Badagara - Limited use subways in lieu of level crossing No.209, 210 & 211/A			0.0000	NF	NF	0	0	Sanctioned in 2017-18 budget
552	2017-18	Quilandi-Badagara - Limited use subways in lieu of level crossing No.209, 210 & 211/A			0.0000	NF	NF	0	0	Sanctioned in 2017-18 budget
553	2017-18	Pro 2L ROB with Limited Height Subway in lieu of LC No.128 at Km. 89/600-700 in between Harippad and Cheppad Railway stations	14.85	14.85	0.0000	NF	NF	0	0	Alignment details Awaited from state government
554	2017-18	Pro ALHS in lieu of LC No.128 at Km. 89/600-700 in between Harippad and Cheppad Railway stations			0.0000	NF	NF	0	0	Alignment details Awaited from state government
555	2017-18	Pro 2L ROB with Limited Height Subway in lieu of LC No.266 at Km. 793/300-400 in between Payyanur and Charvattur Rly Stns	20.71	20.71	0.0000	NF	NF	0	0	Alignment details Awaited from state government
556	2017-18	Pro ALHS in lieu of LC No.266 at Km. 793/300-400 in between Payyanur and Charvattur Rly Stns			0.0000	NF	NF	0	0	Alignment details Awaited from state government
557	2017-18	Pro ROB incl limited use subway in lieu of level crossing No.25 @ km 57/32-58/2 in bet Manavur and Tiruvalangadu stns.	18.04	18.04	0.0000	NF	NF	0	0	Final GAD approved and handed over to CN/MS
558	2017-18	Pro ALHS in lieu of level crossing No.25 @ km 57/32-58/2 in bet Manavur and Tiruvalangadu stns.			0.0000	NF	NF	0	0	Alignment details yet to be finalize

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
559	2017-18	Pro 2-lane road over bridge incl limited use subway in lieu of level crossing No.63 @ km 58/700-800 in bet PALANI-UDUMALAI PETTAI stns	34.66	34.66	0.0000	NF	NF	0	0	Provisional GAD sent to state government for concurrence
560	2017-18	Pro ALHS in lieu of level crossing No.63 @ km 58/700-800 in bet PALANI - UDUMALAI PETTAI stns			0.0000	NF	NF	0	0	Alignment details yet to be finalize
561	2017-18	Pro 2L ROB with Limited Height Subway in lieu of LC No. 189 at Km. 669/700-800 at WEST HILL Yard Railway stations	26.778	26.778	0.0000	NF	NF	0	0	Alignment details Awaited from state government
562	2017-18	Pro ALHS in lieu of LC No. 189 at Km. 669/700-800 at WEST HILL Yard Railway stations			0.0000	NF	NF	0	0	Alignment details Awaited from state government
563	2017-18	Pro 2L ROB incl limited use subway in lieu of level crossing No.159 @ km 164/600-700 in bet ETTAPUR ROAD-MINNAMPALLI stns	16.2861	17.81	0.0000	NF	NF	0	0	Railway Portion : Revised GAD approved. Detailed estimate sanctioned Approach portion : Combined GAD under preparation
564	2017-18	Pro ALHS in lieu of level crossing No. 159 @ km 164/600-700 in bet ETTAPUR ROAD-MINNAMPALLI stns	0.0000	NF	NF	0	0			Alignment details Awaited from state government
565	2017-18	Pro 2L ROB incl limited use subway in lieu of level crossing No.424 @ km 565/100-200 in bet Sattur-Nalli stns	16.88	16.88	0.0000	NF	NF	0	0	Provisional GAD sent to state government for concurrence
566	2017-18	Pro ALHS in lieu of level crossing No. 424 @ km 565/100-200 in bet Sattur-Nalli stns			0.0000	NF	NF	0	0	Alignment details Awaited from state government
567	2017-18	Pro 2L ROB with Limited Height Subway in lieu of LC No.25 at Km. 38/900- 39/000 in between Trichur and Ollur Railway stations	16.11	16.11	0.0000	NF	NF	0	0	Subway of 7.0mx4.0m constructed at Rly cost & commissioned. LC physically closed. State Govt will be advised to delete this work.
568	2017-18	Pro ALHS in lieu of LC No.25 at Km. 38/900- 39/000 in between Trichur and Ollur Railway stations			0.0000	NF	NF	0	0	Subway of 7.0mx4.0m constructed at Rly cost & commissioned. LC physically closed. State Govt will be advised to delete this work.
569	2017-18	Thiruvananthapuram-Nagerkoil - 2-lane road over bridge incl limited use subway in lieu of level crossing No.6	15.25	15.25	0.0000	NF	NF	0	0	Alignment details Awaited from state government

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
570	2017-18	Thiruvananthapuram-Nagerkoil - 2-lane road over bridge incl limited use subway in lieu of level crossing No.6			0.0000	NF	NF	0	0	Alignment details Awaited from state government
571	2017-18	Pro 2L ROB incl limited use subway in lieu of level crossing No.74 @ km 310/000-100 in bet VALLIYUR - NANGUNERI stns	17.21	17.21	0.0000	NF	NF	0	0	Provisional GAD sent to state government for concurrence
572	2017-18	Pro ALHS in lieu of level crossing No.74 @ km 310/000-100 in bet VALLIYUR - NANGUNERI stns			0.0000	NF	NF	0	0	Alignment details Awaited from state government
573	2017-18	2L ROB incl limited use subway in lieu of level crossing No.55 @ km 134/6-8 in bet KATPADI - LATTEI stns	14.97	14.97	0.0000	NF	NF	0	0	Concurred GAD received. Cost sharing pattern under scrutiny by Railways
574	2017-18	Pro ALHS in lieu of level crossing No.55 @ km 134/6-8 in bet KATPADI-LATTEI stns			0.0000	NF	NF	0	0	Alignment details Awaited from state government
575	2017-18	2L ROB incl limited use subway in lieu of level crossing No.51 @ km 123/2-4 @ SEVUR YARD	15.08	15.08	0.0000	NF	NF	0	0	Final GAD approved and handed over to CN/MS
576	2017-18	Pro ALHS in lieu of level crossing No.51 @ km 123/2-4 @ SEVUR YARD			0.0000	NF	NF	0	0	Alignment details Awaited from state government
577	2017-18	2L ROB incl limited use subway in lieu of level crossing No.57 @ km 136/32-34 @ LATTEI YARD	16.48	16.48	0.0000	NF	NF	0	0	State Government: Site Not feasible
578	2017-18	Pro ALHS in lieu of level crossing No.57 @ km 136/32-34 @ LATTEI YARD			0.0000	NF	NF	0	0	Alignment details Awaited from state government
579	2017-18	Kumbala Yard- Limited use subway in lieu of level crossing No.284	2.7	0	0.0000	NF	NF	0	0	Sanctioned in 2017-18 budget
580	2017-18	Kumbala-Uppala - Limited use subway in lieu of level crossing No.285	4.53	0	0.0000	NF	NF	0	0	Sanctioned in 2017-18 budget
581	2017-18	MAS Div: Chennai-Arakkonam section- 2-lane road over bridge incl. limited use subway in lieu of level crossing No.26 at km 59/30-32 between Tiruvalangadu and Mosur Stations	17.43	17.43	0.0000	NF	NF	0	0	Concurred Provisional GAD received and the same sent to CN/MS for site feasibility of launching of bowstring girder.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
582	2017-18	Pro ALHS in lieu of level crossing No.26 @ km 59/30-32 in bet TIRUVALANGADU -MOSUR stns			0.0000	NF	NF	0	0	Alignment details yet to be finalize
583	2017-18	TVC div: Shoranur-Ernakulam - 2-Lane road over bridge incl. limited usesubway in lieu of level crossing No.33 at km51/9-10 between Pudukad and Irinjalakuda stations.	15.53	15.53	0.0000	NF	NF	0	0	Alignment details Awaited from state government
584	2017-18	Pro ALHS in lieu of LC No..33 at Km. 51/600-700 in between Pudukad and Irinjalakuda Railway stations			0.0000	NF	NF	0	0	Alignment details Awaited from state government
585	2017-18	TVC div: Shoranur-Ernakulam - 2-Lane road over bridge incl. limited usesubway in lieu of level crossing No.32 at km50/2-3 between Pudukad and Irinjalakuda stations.	14.81	14.81	0.0000	NF	NF	0	0	Alignment details Awaited from state government
586	2017-18	Pro ALHS in lieu of LC No..32 at Km. 50/100-200 in between Pudukad and Irinjalakuda Railway stations			0.0000	NF	NF	0	0	Alignment details Awaited from state government
587	2017-18	Pro 2-Lane road over bridge incl. limited usesubway in lieu of level crossing No. 28 at Km. 106/300-400 in between Chengannur and Mavelikara Railway stations	16.53	16.53	0.0000	NF	NF	0	0	Alignment details Awaited from state government
588	2017-18	Pro ALHS in lieu of LC No.28 at Km. 106/300-400 in between Chengannur and Mavelikara Railway stations			0.0000	NF	NF	0	0	Alignment details Awaited from state government
589	2017-18	Tiruchchirapalli Division - Subways in lieu of unmanned levelcrossing gates (4 Nos) LC.NO. 141 VM-TPJ (Chord), VM-KPD 42, 43, 65	11.19	0	0.0000	NF	NF	0	0	Sanctioned in 2017-18 budget
590	2017-18	Tiruchchirapalli Division - Subways in lieu of unmanned levelcrossing gates (4 Nos) LC.NO. 141 VM-TPJ (Chord), VM-KPD 42, 43, 65			0.0000	NF	NF	0	0	Sanctioned in 2017-18 budget
591	2017-18	Tiruchchirapalli Division - Subways in lieu of unmanned levelcrossing gates (4 Nos) LC.NO. 141 VM-TPJ (Chord), VM-KPD 42, 43, 65			0.0000	NF	NF	0	0	Division proposed for Manning.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
592	2017-18	Tiruchchirapalli Division - Subways in lieu of unmanned level crossing gates (4 Nos) LC.NO. 141 VM-TPJ (Chord), VM-KPD 42, 43, 65			0.0000	NF	NF	0	0	Sanctioned in 2017-18 budget
593	2017-18	SA div: Irugur-Podanur - 2-lane road over bridge in lieu of level crossing No.12 at km 13/100-200 between Pilamedu and Coimbatore North stations	8.74	8.74	0.0000	NF	NF	0		Narrow roads heavy LA involves
594	2017-18	Pattukottai-Karaikkudi - Subways in lieu of unmanned level crossing gates (5 Nos)	17.96	0	0.0000	NF	NF	0	0	Sanctioned in 2017-18 budget
595	2017-18	Pattukottai-Karaikkudi - Subways in lieu of unmanned level crossing gates (5 Nos)			0.0000	NF	NF	0	0	Sanctioned in 2017-18 budget
596	2017-18	Pattukottai-Karaikkudi - Subways in lieu of unmanned level crossing gates (5 Nos)			0.0000	NF	NF	0	0	Sanctioned in 2017-18 budget
597	2017-18	Pattukottai-Karaikkudi - Subways in lieu of unmanned level crossing gates (5 Nos)			0.0000	NF	NF	0	0	Sanctioned in 2017-18 budget
598	2017-18	Pattukottai-Karaikkudi - Subways in lieu of unmanned level crossing gates (5 Nos)			0.0000	NF	NF	0	0	Sanctioned in 2017-18 budget
	2018-19	Construction of Road over/under bridges in Southern Railway			0.0000					Sanctioned for 490.00 Crores
599	2018-19	KOZHICODE - KANNUR Section- 2 Lane Road Over Bridge including LUS in lieu of LC No. 225 at km729/600-700 between Mahe and Thalassery stations	16.8886	16.8886	0.0000	NF	NF	0	0	Sanctioned in 2018-19
600	2018-19	KOZHICODE - KANNUR Section- 2 Lane Road Over Bridge including LUS in lieu of LC No. 225 at km729/600-700 between Mahe and Thalassery stations			0.0000	NF	NF	0	0	Sanctioned in 2018-19

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
601	2018-19	Pro 2L ROB in lieu of LC No.12 at km 65/600-700 at Nilambur Yard	17.6362	17.6362	0.0000	NF	NF	0	0	Sanctioned in 2018-19
602	2018-19	Pro 2L ROB in lieu of LC No.12 at km 65/600-700 at Nilambur Yard			0.0000	NF	NF	0	0	Sanctioned in 2018-19
603	2018-19	Pro 2L ROB in lieu of LC No.1 at km 1/800-850 in bet Shoranur Jn.-Vallattol Nagar Stns	15.2402	15.2402	0.0000	NF	NF	0	0	Sanctioned in 2018-19
604	2018-19	Pro 2L ROB in lieu of LC No.1 at km 1/800-850 in bet Shoranur Jn.-Vallattol Nagar Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
605	2018-19	Pro 2L ROB in lieu of LC No.234 at km 740/300-400 in bet THALASERY - ETTAKOT Stns	15.7609	15.7609	0.0000	NF	NF	0	0	Sanctioned in 2018-19
606	2018-19	Pro 2L ROB in lieu of LC No.234 at km 740/300-400 in bet THALASERY- ETTAKOT Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
607	2018-19	Pro 2L ROB in lieu of LC No.259 at km 782/200-300 @ ELIMALA Stn	20.953	20.953	0.0000	NF	NF	0	0	Sanctioned in 2018-19
608	2018-19	Pro 2L ROB in lieu of LC No.259 at km 782/200-300 @ ELIMALA Stn			0.0000	NF	NF	0	0	Sanctioned in 2018-19
609	2018-19	Pro 2L ROB in lieu of LC No.2 at km 4/100-200 in bet Shoranur Jn.-Vadanamkurushshi Stns	17.1758	17.1758	0.0000	NF	NF	0	0	Draft GAD received and sent for field verification
610	2018-19	Pro 2L ROB in lieu of LC No.2 at km 4/100-200 in bet Shoranur Jn.-Vadanamkurushshi Stns			0.0000	NF	NF	0	0	Draft GAD received and sent for field verification
611	2018-19	Pro 2L ROB in lieu of LC No.23 at km 42/8-9 in bet Kuruppantara-Ettumanur Stns	15.881	15.881	0.0000	NF	NF	0	0	Sanctioned in 2018-19
612	2018-19	Pro 2L ROB in lieu of LC No.23 at km 42/8-9 in bet Kuruppantara-Ettumanur Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
613	2018-19	Pro 2L ROB in lieu of LC No.229 at km283/600-700 in bet Nidur - Mayiladuthurai Stns	15.631	15.631	0.0000	NF	NF	0	0	Sanctioned in 2018-19

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
614	2018-19	Pro 2L ROB in lieu of LC No.229 at km283/600-700 in bet Nidur - Mayiladuthurai Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
615	2018-19	Pro 2L ROB in lieu of LC No.167 at km 593/800-900 in bet PATTAMBI - PALLIPURAM Stns	16.5051	16.5051	0.0000	NF	NF	0	0	Sanctioned in 2018-19
616	2018-19	Pro 2L ROB in lieu of LC No.167 at km 593/800-900 in bet PATTAMBI - PALLIPURAM Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
617	2018-19	Pro 2L ROB in lieu of LC No.15 at km 25/6-6A in bet Mulagunnathukavu - Punkunnam Stns	15.1601	15.1601	0.0000	NF	NF	0	0	Sanctioned in 2018-19
618	2018-19	Pro 2L ROB in lieu of LC No.15 at km 25/6-6A in bet Mulagunnathukavu - Punkunnam Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
619	2018-19	Pro 2L ROB in lieu of LC No.6 at km 21/100-200 in bet Shoranur Jn.- Angadipuram Stns	16.1016	16.1016	0.0000	NF	NF	0	0	Sanctioned in 2018-19
620	2018-19	Pro 2L ROB in lieu of LC No.6 at km 21/100-200 in bet Shoranur Jn.- Angadipuram Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
621	2018-19	Pro 2L ROB in lieu of LC No.8 at km 32/900-33/000 in bet Angadippuram-Vaniyambalam Stns	15.8714	15.8714	0.0000	NF	NF	0	0	Sanctioned in 2018-19
622	2018-19	Pro 2L ROB in lieu of LC No.8 at km 32/900-33/000 in bet Angadippuram-Vaniyambalam Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
623	2018-19	Pro 2L ROB in lieu of LC No.74 at km 94/22-24 in bet Madurantakam - Melmaruvathur stns	15.9372	15.9372	0.0000	NF	NF	0	0	Sanctioned in 2018-19
624	2018-19	Pro 2L ROB in lieu of LC No.74 at km 94/22-24 in bet Madurantakam - Melmaruvathur stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
625	2018-19	Pro 2L ROB in lieu of LC No.173 at km 637/600-700 in bet Thanur-Parapangadi Stns	16.8886	16.8886	0.0000	NF	NF	0	0	Sanctioned in 2018-19

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
626	2018-19	Pro 2L ROB in lieu of LC No.173 at km 637/600-700 in bet Thanur-Parapangadi Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
627	2018-19	Pro 2L ROB in lieu of LC No.240 at km 749/700-800 in bet Ettakot - Kannur Stns	16.3516	16.3516	0.0000	NF	NF	0	0	GAD to be prepared and submitted to CN/ ERS by KRDCL
628	2018-19	Pro 2L ROB in lieu of LC No.240 at km 749/700-800 in bet Ettakot - Kannur Stns			0.0000	NF	NF	0	0	GAD to be prepared and submitted to CN/ ERS by KRDCL
629	2018-19	Pro 2L ROB in lieu of LC No.49 at km 53/28-30 in bet SINGAPERUMAL KOIL - CHENGALPATTU Stns	15.7209	15.7209	0.0000	NF	NF	0	0	Sanctioned in 2018-19
630	2018-19	Pro 2L ROB in lieu of LC No.49 at km 53/28-30 in bet SINGAPERUMAL KOIL - CHENGALPATTU Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
631	2018-19	Pro 2L ROB in lieu of LC No.149 at km 98/5-6 in bet Cheppad-Kayankulam Jn. Stns	15.3204	15.3204	0.0000	NF	NF	0	0	Sanctioned in 2018-19
632	2018-19	Pro 2L ROB in lieu of LC No.149 at km 98/5-6 in bet Cheppad-Kayankulam Jn. Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
633	2018-19	Shornur -Ernakulam Road Over Bridge with Subway in lieu of level crossing 27	17.0421	17.0421	0.0000	NF	NF	0	0	Sanctioned in 2018-19
634	2018-19	Shornur -Ernakulam Road Over Bridge with Subway in lieu of level crossing 27			0.0000	NF	NF	0	0	Sanctioned in 2018-19
635	2018-19	Pro 2L ROB in lieu of LC No.77 at km 151/4-5 in bet Perinad- Kollam Jn Stns	18.4232	18.4232	0.0000	NF	NF	0	0	Sanctioned in 2018-19
636	2018-19	Pro 2L ROB in lieu of LC No.77 at km 151/4-5 in bet Perinad- Kollam Jn Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
637	2018-19	Pro 2L ROB in lieu of LC No.187 at km 667/100-200 in bet Kozhikode - West Hill Stns	15.9612	15.9612	0.0000	NF	NF	0	0	Sanctioned in 2018-19
638	2018-19	Pro 2L ROB in lieu of LC No.187 at km 667/100-200 in bet Kozhikode - West Hill Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
639	2018-19	Pro 2L ROB in lieu of LC No.49 at km 61/800-900 in bet TIRUMALPUR - ARAKKONAM Stns	14.5256	14.5256	0.0000	NF	NF	0	0	Sanctioned in 2018-19
640	2018-19	Pro 2L ROB in lieu of LC No.49 at km 61/800-900 in bet TIRUMALPUR - ARAKKONAM Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
641	2018-19	Pro 2L ROB in lieu of LC No.228 at km280/500-600 @ NIDUR Stn	15.7112	15.7112	0.0000	NF	NF	0	0	Sanctioned in 2018-19
642	2018-19	Pro 2L ROB in lieu of LC No.228 at km280/500-600 @ NIDUR Stn			0.0000	NF	NF	0	0	Sanctioned in 2018-19
643	2018-19	Pro 2L ROB in lieu of LC No.75A at km 108/6-7 in bet ERNAKULAM JN - MATTANCHERI Stns	15	15	0.0000	NF	NF	0	0	Sanctioned in 2018-19
644	2018-19	Pro 2L ROB in lieu of LC No.75A at km 108/6-7 in bet ERNAKULAM JN - MATTANCHERI Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
645	2018-19	Pro 2L ROB in lieu of LC No.21 at km 38/3-4 in bet Vaikam Road-Kuruppantara Stns	16.5817	16.5817	0.0000	NF	NF	0	0	Sanctioned in 2018-19
646	2018-19	Pro 2L ROB in lieu of LC No.21 at km 38/3-4 in bet Vaikam Road-Kuruppantara Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
647	2018-19	Pro 2L ROB in lieu of LC No.30 at km 38/300-400 in bet KANCHIPURAM-TIRUMALPUR Stns	15.096	15.096	0.0000	NF	NF	0	0	Sanctioned in 2018-19
648	2018-19	Pro 2L ROB in lieu of LC No.30 at km 38/300-400 in bet KANCHIPURAM-TIRUMALPUR Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
649	2018-19	Pro 2L ROB in lieu of LC No.53 at km 128/9-10 in bet Karunagapalli-Sasthankotta Stns	15.6408	15.6408	0.0000	NF	NF	0	0	Sanctioned in 2018-19
650	2018-19	Pro 2L ROB in lieu of LC No.53 at km 128/9-10 in bet Karunagapalli-Sasthankotta Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
651	2018-19	Pro 2L ROB in lieu of LC No.32 at km 50/2-3 in bet Pudukad-Irinjalakuda Stns	15.2402	15.2402	0.0000	NF	NF	0	0	Sanctioned in 2018-19

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
652	2018-19	Pro 2L ROB in lieu of LC No.32 at km 50/2-3 in bet Pudukad-Irinjalakuda Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
653	2018-19	KARUR - TIRUCHIRAPALLI FORT Section- 2 Lane Road Over Bridge including LUS in lieu of LC No.54 at km103/000-100 between	17.2723	17.2723	0.0000	NF	NF	0	0	Sanctioned in 2018-19
654	2018-19	KARUR - TIRUCHIRAPALLI FORT Section- 2 Lane Road Over Bridge including LUS in lieu of LC No.54 at km103/000-100 between			0.0000	NF	NF	0	0	Sanctioned in 2018-19
655	2018-19	Pro 2L ROB in lieu of LC No.164 at km 549/100-200 in bet Parli-Mankara Stns	17.1572	17.1572	0.0000	NF	NF	0	0	Sanctioned in 2018-19
656	2018-19	Pro 2L ROB in lieu of LC No.164 at km 549/100-200 in bet Parli - Mankara Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
	2018-19	Palkkad division - Road over/under bridges at level crossing nos. 244,252,253,262,264 and 288 ; Thiruvananthapuram division - level crossing nos.36,42,115,545,570			0.0000					Sanctioned for 180.00 crores
657	2018-19	Pro 2L ROB in lieu of LC No.36 at km 56/000-100 in bet Pudukad-Irinjalakuda Stns	15.9612	15.9612	0.0000	NF	NF	0	0	Sanctioned in 2018-19
658	2018-19	Pro 2L ROB in lieu of LC No.36 at km 56/000-100 in bet Pudukad-Irinjalakuda Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
659	2018-19	Pro 2L ROB in lieu of LC No.244 at km 755/800-900 in bet Kannur - Valapattanam Stns	16.8886	16.8886	0.0000	NF	NF	0	0	Sanctioned in 2018-19
660	2018-19	Pro 2L ROB in lieu of LC No.244 at km 755/800-900 in bet Kannur - Valapattanam Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
661	2018-19	Pro 2L ROB in lieu of LC No.570 at km 193/800-900 in bet Kadakavur - Murugampuzha Stns	15.801	15.801	0.0000	NF	NF	0	0	Sanctioned in 2018-19
662	2018-19	Pro 2L ROB in lieu of LC No.570 at km 193/800-900 in bet Kadakavur - Murugampuzha Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
663	2018-19	Pro 2L ROB in lieu of LC No.42 at km 120/000-100 in bet Kayankulam-Ochira Stns	15.801	15.801	0.0000	NF	NF	0	0	Sanctioned in 2018-19
664	2018-19	Pro 2L ROB in lieu of LC No.42 at km 120/000-100 in bet Kayankulam-Ochira Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
665	2018-19	Pro 2L ROB in lieu of LC No.545 at km 157/15-158/1 in bet Kollam - Mayyanad Stns	15.2402	15.2402	0.0000	NF	NF	0	0	Sanctioned in 2018-19
666	2018-19	Pro 2L ROB in lieu of LC No.545 at km 157/15-158/1 in bet Kollam - Mayyanad Stns		0.0000	NF	NF	0	0		Sanctioned in 2018-19
667	2018-19	Pro 2L ROB in lieu of LC No.288 at km 863/000-100 in bet Uppala-Manjeshwar Stns	16.0413	16.0413	0.0000	NF	NF	0	0	Sanctioned in 2018-19
668	2018-19	Pro 2L ROB in lieu of LC No.288 at km 863/000-100 in bet Uppala-Manjeshwar Stns		0.0000	NF	NF	0	0		Sanctioned in 2018-19
669	2018-19	Pro 2L ROB in lieu of LC No.115 at km 85/000-100 in bet Ambalapuzha-Haripad Stns	15.4805	15.4805	0.0000	NF	NF	0	0	Sanctioned in 2018-19
670	2018-19	Pro 2L ROB in lieu of LC No.115 at km 85/000-100 in bet Ambalapuzha-Haripad Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
671	2018-19	Pro 2L ROB in lieu of LC No.253 at km 769/000-100 in bet Kannapuram-Payangadi Stns	15.801	15.801	0.0000	NF	NF	0	0	Sanctioned in 2018-19
672	2018-19	Pro 2L ROB in lieu of LC No.253 at km 769/000-100 in bet Kannapuram-Payangadi Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
673	2018-19	Pro 2L ROB in lieu of LC No.262 at km 789/500-600 in bet Payyanur-Trikarpur Stns	15.801	15.801	0.0000	NF	NF	0	0	Sanctioned in 2018-19
674	2018-19	Pro 2L ROB in lieu of LC No.262 at km 789/500-600 in bet Payyanur-Trikarpur Stns		0.0000	NF	NF	0	0		Sanctioned in 2018-19
675	2018-19	Pro 2L ROB in lieu of LC No.264 at km 791/500-600 in bet Payyanur-Trikarpur Stns	15.9612	15.9612	0.0000	NF	NF	0	0	Sanctioned in 2018-19

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
676	2018-19	Pro 2L ROB in lieu of LC No.264 at km 791/500-600 in bet Payyanur-Trikarpur Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
677	2018-19	Pro 2L ROB in lieu of LC No.252 at km 767/400-500 in bet Pappinisseri-Kannapuram Stns	16.0413	16.0413	0.0000	NF	NF	0	0	Sanctioned in 2018-19
678	2018-19	Pro 2L ROB in lieu of LC No.252 at km 767/400-500 in bet Pappinisseri-Kannapuram Stns			0.0000	NF	NF	0	0	Sanctioned in 2018-19
679	2013-14	TPJ Division - TRSP Project - Proposed construction of ROB in lieu of LC NO.64 for Karaikal Port Trust.	0	0	0.0000	NF	NF	0	0	Estimate amount yet to be deposited by port authority
680	2010-11	SA Division - ROB at Km. 445/19-21 between Tiruppur and Vanjipalayam stations in Erode - Irugur section (Chikkana College)	0	2.9	0.0000	Apr-19	NF	10	0	Railway Portion:Work commencedApproach portion: 5/10 Decks laid. Balance work is in progress. Court case in progress
681	2014-15	MDU-BDNK section-Pro ROB at Km. 13/7-8 between Madurai-Usilampatti stns (ELCOT)	0	6.2973	0.0000	Work completed	Work completed	100	100	Rly:Work completed during March-17. Opened for traffic
682	2014-15	Salem Division- SA_ED section. Pro. ROB at Km.384/800-385/000 between Sankaridurg& Erode stns	0	8.9	0.0000	Work completed	Work completed	100	100	Rly: Work completed during Jan-18 opened for road traffic
683	2014-15	Salem Division - ED-IGU section Pro. ROB at Km 397/300-400 outer ring road (Jeeva Nagar)	0	12.82	0.0000	Work completed	NF	100	90	Rly:work completed during Dec-17 State: Work in progress
684	2006-07	TVC Division - Proposed Construction of existing ROB. No. 290 at km58/900-59/00 between Ettumanur - Kottayam stations (Nagamadam) in ERS - KYJ section.	0	18.44	0.0000	Work completed	Work completed	100	100	Commissioned
685	2010-11	PGT Division - Pro ROB @ km.653/9-654/0 in between Kadalundi and Ferok stations in SRR - MAQ section.	0	11.04	0.0000	NF	NF	25	0	Railway portion one side substructure completed. Other side piling work in progress. LA just finalised. CG fabrication by Railway completed, but for launching, LA is needed.
686	2005-06	SRR-MAQ section - Proposed 1x25m span composite girder ROB at km. 621/700-800 between Tirur and Tirunavaya stations (Bye Pass) (Deposit Work)	0		0.0000	Work completed	NF	100	0	Rly: Work completed in Aug-17 State: work not yet started

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
687	2014-15	SRR-MAQ section - Proposed construction of 1x22500(sk)(22332 SQ) composite girder ROB at km.672/300-400 between West Hill and Elathur Railway stations (Pavangad) (Depost Work).	0		0.0000	Work completed	NF	100	0	Rly. - Completed during Dec'16.
688	2005-06	SRR-MAQ section - Proposed 1x33m span composite girder ROB at km. 623/300-400 between Tirur-Tirunavaya stations for widening of existing ROB No.872A. (Depost Work)	0		0.0000	NF	NF	80	0	Rly: CG launched Deck slab in progress
689	2005-06	Ernakulam-Alleppey-Kayankulam section - Proposed 1x21.50 clear span, 3.75m carriage(4.85m overall) width(single lane)composite girder Limited Use ROB - Thirunettur at km.4/100-200 between Ernakulam Jn and Kumbalam stations under MPLAD Scheme.	0	2.535	0.0000	Work completed	NF	100	100	Rly:Work completed during Jan-17 Approach: Work completed.Commissioned during Jan2019
690	2013-14	TVC Division - Proposed ROB at AIMS (Amritha) at Km.98/500-600 between Idappalli & Ernakulam Town stations.	0		0.0000	NF	NF	0	0	Earlier tender opened on 27.03..2014. could not awarded due to non deposit of the amount by RBDCK. Tender discharged
691	2015-16	Proposed ROB at km.32/400-500 near existing ROB no.77 (Poothole) between Thrissur and Punkunnam stations.	0		0.0000	NF	NF	35	0	Substructure completed State: work not started
692		PGT Division - Proposed LUS at Vadakkumbad @ km 652/500-600 between Kadalundi and Ferok stations in Shoranur-Mangalore section.	0	3.5	0.0000	NF	NF	70	10	Box pushing completed. Drainage work in progress
693	2012-13	Proposed RUB at Km. 2/500-600 near Jeppukudipadi between MAQ-MAJN	0		0.0000	NF	NF	0	0	GAD Approved
694	2014-15	Proposed RUB in lieu of LC No.293 A at Km.882/8-9 between Netravathi and MAQ	0		1.0000	NF	NF	0	0	GAD Approved
695	2017-18	Proposed Road Over Bridge at Railway Km.552/200-400 between Mankara and Lakkiti stations on Ponadur -Shoranur section across the Bharathapuzha river (Njavalinkadavu)	NA	NA	0.0000	NF	NF	0	0	GAD approved and handed over to CN/ERS

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
696	2018-19	Proposed widening of ROB No. 72A at avadi Km 21/ 700-800 in MAS-AJJ Section	0		2.0000	NF	NF	0	0	GAD approved and Estimate under preparation
697	2018-19	Proposed ROB at Km 71/000-1000 in AJJ-RU section for Tiruttani Bye pass	0		3.0000	NF	NF	0	0	GAD approved and Estimate under preparation
698	2018-19	Proposed widening of ROB No. 46A at Km 10/000-100 MAS -AJJ Section	0		4.0000	NF	NF	0	0	GAD approved and Estimate under preparation
699	1998-99	MAS Division - Proposed 9.25X5.5m RUB in lieu of LC No. 22 (Trisoolam) @ Km 21/10-11 in MSB-TBM section (Trisoolam Hill Road).	0	0	0.0000	Apr-19	NF	5	0	Rly work awarded for RUB
700	1998-99	MAS Division - Proposed 1x4 m RCC Box Subway in lieu of LC No.27 (Radha Nager) @ Km 25/3-4 in between Pallavaram - Chrompet stations MSB - TBM section.	0	0	0.0000	Work completed	NF	100	0	Railway portion- Completed in November 11; State: Rev ised GAD for approaches under approval
701		TVC division - Reconstruction of ROB No.244 (1x25.62m) between CGV-CGY stations due to doubling.	0	0	0.0000	NF	NF	5	0	ROB closed
702		TVC division - Reconstruction of ROB No.238 (1x14.11m sk; CG) between CGV-CGY stations due to doubling.	0	0	0.0000	NF	NF	5	0	Work commenced
703		TVC division - Reconstruction of ROB No.241 (1x21.48m sk) between CGV-CGY stations due to doubling.	0	0	0.0000	NF	NF	5	0	ROB closed
704		TVC division - Reconstruction of ROB No.237 (1x14.01m sk) between CGV-CGY stations due to doubling.	0	0	0.0000	NF	NF	5	0	Work commenced
705		TVC division - Reconstruction of ROB No.225A (1x23.62m sk) between CGV-CGY stations due to doubling.	0	0	0.0000	NF	NF	5	0	Work commenced
706		TVC division - Reconstruction of ROB No.234A (1x18.60m sk) between CGV-CGY stations due to doubling	0	0	0.0000	NF	NF	0	5	Tender under finalisation. State: diversion road work completed . For main ROB , footing for 8 pier completed
707		TVC division - Reconstruction of ROB No.230A (1x14.06m sk) between CGV-CGY stations due to doubling.	0	0	0.0000	NF	NF	0	5	Tender under finalisation. State: diversion road work completed . For main ROB , footing for 5 pier completed

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
708		TVC division - Reconstruction of ROB No.210 (1x12.10m sk) between CGV-CGY stations due to doubling.	0	0	0.0000	NF	NF	0	5	Tender under finalisation. State: diversion road work completed . For main ROB , footing for 3 pier completed
709		TVC division - Reconstruction of RUB No.168 (1x12.20m) at TRVLI Yard station due to doubling.	0	0	0.0000	NF	NF	50	0	Work on doubling track completed and progressing in running line.
710		TVC division - Provision of RUB in lieu of LC No.11 (1x7.0m) between CNGR-TRVL stations due to doubling.	0	0	0.0000	NF	NF	50	0	In progress
711		TVC division - Provision of RUB in lieu of LC No.12 (1x7.5m RCC Box) between CNGR-TRVL stations due to doubling.	0	0	0.0000	NF	NF	35	0	Box pushing in progress
712		TVC division - Provision of RUB in lieu of LC No.38 (1x4.5m) between CGV-CGY stations due to doubling.	0	0	0.0000	NF	NF	50	0	In progress
713		TVC division - Provision of RUB in lieu of LC No.37 (1x4.5m) between CGV-CGY stations due to doubling.	0	0	0.0000	NF	NF	50	0	In progress
714		TVC division - Extension of RUB No.249 (1x6.0m) between CGV-CGY stations due to doubling.	0	0	0.0000	NF	NF	5	0	Work in progress
715		PGT Division - Proposed LUS at the location of L.C. No.92 @ km 20/300-400 between Mangalore Junction & Panambur stations.	0	0	0.0000	NF	NF	100	40	Track portion completed Approach portion pending . Land acquisition is in progress
716		SA-MTDM section- provision of limited use subway in lieu of exg. LC.NO.13 @Km12/11-12	0	0	0.0000	Work completed	Work completed	100	100	Work completed during July-17
717		SA-MTDM section- provision of limited use subway in lieu of exg. LC.NO.16 @17/14-15			0.0000	Work completed	Work completed	100	100	Work completed during Feb-19.
718		SA-MTDM section- provision of limited use subway in lieu of exg. LC.NO.19 25/16-17			0.0000	Work completed	Work completed	100	100	Work completed during April-17
719		SA-MTDM section- provision of limited use subway in lieu of exg. LC.NO.20 26/14-15			0.0000	Work completed	Work completed	100	100	Work completed during May-17

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
720	2016-17	MNM-VPT (MG) section- provision of limited use subway in lieu of exg. LC.NO.34	1.2	0	0.0000	Work completed	Work completed	0	0	Work executed by Dvn.
721	2016-17	MNM-VPT (MG) section- provision of limited use subway in lieu of exg. LC.NO.31B 594/9-10	0.9493	0	0.0000	Work completed	Work completed	0	0	Work executed by Dvn.
722	2016-17	MNM-VPT (MG) section- provision of limited use subway in lieu of exg. LC.NO.32 km 594/15-595/1	1.4	0	0.0000	Work completed	Work completed	0	0	Work executed by Dvn.
723		MNM-VPT section - Proposed Limited Use Subway in lieu of LC No 49 at Km611/4-5.	0.495	0	-0.4006	Work completed	Work completed	100	100	Work completed
724	2016-17	MNM-VPT (MG) section- provision of limited use subway in lieu of exg. LC.NO.50 km 611/14-612/1	0.495	0	0.0000	Work completed	Work completed	0	0	Work executed by Dvn.
725		MNM-VPT section - Proposed Limited Use Subway in lieu of LC No 57 at Km. between stations	0.495	0	10.7813	Work completed	Work completed	100	100	Work completed
726	2016-17	MDU-BDNK section-Provision of LUS 1x4.5 RCB in lieu of exg LC.46 at 51/12-13	1.172	0	0.0000	NF	NF	5	0	Work executed under PB 374
727	2016-17	MDU-BDNK section-Provision of LUS 1x4.5 RCB in lieu of exg LC.47 at 54/13-14	1.172	0	0.2412	Work completed	Work completed	100	100	Work executed under PB 374
728	2016-17	MDU-BDNK section-Provision of LUS 1x4.5 RCB in lieu of exg LC.51 at 57/13-14	1.172	0	0.0000	Work completed	Aug-19	50	30	Work in progress
729	2016-17	MDU-BDNK section-Provision of LUS 1x4.5 RCB in lieu of exg LC.64 at 69/9-8	1.172	0	0.1738	Work completed	Work completed	100	100	Work executed under PB 374
730	2016-17	MDU-BDNK section-Provision of LUS 1x4.5 RCB in lieu of exg LC.69 at 73/3-4	1.172	0	0.0000	Not feasible	Not feasible	0	0	Exg manned gate retained.
731	2016-17	Tiruchchirappalli-Manamadurai section - Provision of LUS (1x4.50m RCB) in lieu of exg LC.No.355 (M) at km 433/000-100.	1.3769	0	0.0000	NF	NF	0	0	GAD under finalisation.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
732	2006-07	MUTHALAMADA - KOLLENGODE STATIONS - Provision of Limited Use Subway in lieu of exg. LC No. 30 at 32/10-11(id : 287 / 06-07), CAO/CN	0.1849	0	0.1849	Work completed	Work completed	100	100	Work completed under GC
733	2007-08	POLLACHI - PALGHAT [MG] section - Provision of Limited use subway in lieu of exg.LC.no.19 (id:447/07-08), CAO/CN	0.45	0	0.0000	Work completed	Work completed	100	100	Work completed under GC
734	2011-12	Palghat-Pollachi section - Limited Use Subway in lieu of LC No.24 at Km. 25/3-4 between MXM-MMDA stations	1.2708	0	0.0008	Work completed	Work completed	100	100	Commissioned
735	2011-12	Palghat-Pollachi section - Limited Use Subway in lieu of LC No.29 at Km. 32/1-2 between MMDA-KLGD stations	1.2708	0	0.0008	Not feasible	Not feasible	0	0	Division proposed for Manning.
736	2011-12	Palghat-Pollachi section - Limited Use Subway in lieu of LC No.32 at Km. 34/4-5 between KLGD-MMDA stations	1.2708	0	1.1449	Work completed	Work completed	100	100	Subway commissioned. LC eliminated.
737	2011-12	Palghat-Pollachi section - Limited Use Subway in lieu of LC No.42 at Km. 46/14-47/1 between PDGM-PGTN stations	1.2708	0	0.0008	Not feasible	Not feasible	0	0	Division proposed for Manning.
738	2011-12	POY - PTJ section - Proposed Limited Use Subway in lieu of LC No.142 at Km.142/1-2 between POY-CNV stations	1.5076	0	0.0008	Work completed	Work completed	100	100	Rly portion and appr completed in Dec. 14. commissioned
739	2011-12	POY - PTJ section- Proposed Limited Use Subway in lieu of LC No.141 at Km.140/9-10 between POY-CNV stations	1.4641	0	0.0008	Work completed	Work completed	100	100	Completed & Commissioned
740	2011-12	POY - PTJ section - Proposed Limited Use Subway in lieu of LC No.138 at Km.139/4-5 between POY-CNV stations	1.8267	0	0.5110	Work completed	Work completed	100	100	Opened for traffic
741	2011-12	CNV-PTJ section - Provision of Limited Use Subway 1x4.50x3.66m lieu of LC No.157 at Km.156/1-2	2.0127	0	0.0008	Work completed	Work completed	100	100	Rly portion and appr completed in Nov. 14.
742	2011-12	CNV-PTJ section - Provision of Limited Use Subway 1x4.50x3.66m lieu of LC No.161 at Km.159/10-11	2.0787	0	0.0010	Work completed	Work completed	100	100	Rly portion and appr completed in Feb 15.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
743	2011-12	CNV-PTJ section - Provision of Limited Use Subway 1x4.50x3.66m (cast-in-situ) lieu of LC No.151 at Km.149/13-14 & LC No.156at Km.154/09-10	1.9052	0	0.0004	Work completed	Work completed	100	100	Completed
744	2011-12	CNV-PTJ section - Provision of Limited Use Subway 1x4.50x3.66m (cast-in-situ) lieu of LC No.151 at Km.149/13-14 & LC No.156at Km.154/09-10	1.9052	0	0.0004	Work completed	Work completed	100	100	Completed
745	2006-07	CNV-PTJ section-Proposed limited use subway in lieu of manned LCNo. 153 at km151/12-13 between CNV-PTJ stations.	1.5053	0	0.0007	Work completed	Work completed	100	100	Rly portion and appr completed in Nov. 14.
746	2006-07	CNV-PTJ section-Proposed limited use subway in lieu of manned LCNo. 150 at km148/11-12 between CNV-PTJ stations.			0.0000	Work completed	Work completed	100	100	Rly portion and appr completed in Nov. 14.
747	2011-12	CNV-PTJ section - Provision of Limited Use Subway 7.50m lieu of LC No.154 at Km.152/03-04	1.9052	0	5.7193	Work completed	Work completed	100	100	Completed
748	2011-12	CNV-PTJ section - Provision of Limited Use Subway 7.50m lieu of LC No.155 at Km.152/15-16	2.4426	0	0.0008	Work completed	Work completed	100	100	Rly portion and appr completed in Nov. 14.
749	2012-13	MV-KKDI-Proposed SUBWAY in lieu of Unmanned LCNo.37 at Km.41/4-5	2.1715	0	0.0000	NF	NF	0	0	GAD under preparation
750	2012-13	MV-KKDI-Proposed SUBWAY in lieu of Unmanned LC No.51 at Km.68/5-6	2.1715	0	0.4602	Not feasible	Not feasible	0	0	LUS @ LC 51 Not feasible in same sanction LC 49 will be executed
751	2012-13	MV-KKDI-Proposed SUBWAY in lieu of Unmanned LC No.52 at Km.69/2-3.	2.1715	0	0.4603	Work completed	May-19	100	30	LC Eliminated. Box casting completed. Approach in progress.
752	2012-13	MV-KKDI-Proposed SUBWAY in lieu of Unmanned LCNo.55 at Km.74/9-10.	2.1715	0	4.4013	Work completed	May-19	100	30	LC Eliminated. Box casting completed. Approach in progress.
753	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LC No.64 at Km.88 / 8-9	2.1715	0	0.4603	Not feasible	Not feasible	0	0	LUS @ LC 64 Not feasible in same sanction LC 66 will be executed
754	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LC No.67 at Km.91 / 4-5	2.1715	0	0.4603	Work completed	May-19	100	30	LC Eliminated. Box casting completed. Approach in progress.
755	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LCNo.98 at Km.118/4-5	2.1715	0	0.0000	Work completed	Work completed	100	100	Work completed in Aug-17

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2019

Sl.	Year of Sanction	Name of Work	Rly's share (Rs. in Crs)	State Govt. Share (Rs. in Crs)	Exp. up to March 2019 (Rs. in Crs)	Target date of completion		% of progress		Remarks
						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
756	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LC No.99 at Km.119/0-1	2.1715	0	0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
757	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LCNo.110 at Km.126/11-12	2.1715	0	0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
758	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LCNo.116 at Km.131/1-2	2.1715	0	0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
759	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LCNo.117 at Km.132/8-9	2.1715	0	0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
760	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LCNo.124 at Km.136/8-9	2.1715	0	0.0000	Work completed	Work completed	0	0	Outrightly closed without any alternative
761	2012-13	MV-KKDI-Proposed Subway in lieu of Manned LC No.41 at Km.50/0-1	2.1715	0	0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
762	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LCNo.130 at Km.140/9-10	2.1715	0	0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
763	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LCNo.132 at Km.142/10-11	2.1715	0	0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
764	2012-13	MV-KKDI-Proposed SUBWAY in lieu of Unmanned LCNo.161 at Km.166 / 5-6.	2.1715	0	0.0000	Work completed	Work completed	100	100	Work completed in Aug-17
765	2012-13	MV-KKDI-Proposed SUBWAY in lieu of Unmanned LCNo.166 at Km.169 / 2-3.	2.1715	0	0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
766	2012-13	MV-KKDIsection-Proposed Subway in lieu of Manned LCNo.46 at Km.62/1-2	2.1715	0	0.0000	NF	NF	0	0	GAD under preparation
767	2012-13	MV-KKDI section-Proposed Subway in lieu of Manned LCNo.107 at Km. 125/1-2	2.1715	0	0.0000	NF	NF	0	0	Not feasible, converted as Manned LC
768	2012-13	MV-KKDIsection-Proposed Roadunder Bridge in lieu of exg.Manned LCNo.73 at km 95/5-6	2.4914	0	0.0000	Work completed	Jun-19	100	30	LC Eliminated. Box casting completed. Approach in progress.
769	2013-14	TTP-AGX section. Provision of limited use subway inlieu of existing unmanned LC NO. 34 at km 30/5-6.	2.3895	0	0.0000	NF	NF	10	0	Subway work stopped by local public for higher height of subway demanded
770	2017-18	PKT-KKDI section Proposed elevated road crossing in lieu of LC No. 81 at km.103/600-700	2.45	0	0.0000	NF	NF	0	0	Work to be dropped as State Govt. not agreeing for lesser road width
771	2017-18	PKT-KKDI section Proposed elevated road crossing in lieu of LC No. 82 at km 104/600-700	2.45	0	0.0000	NF	NF	0	0	Work to be dropped as State Govt. not agreeing for 4.5m road width . Letter sent to CBE/MAS on 18.05.18

16. Permanent Way Renewals and welding of Rail Joints :

16.1. Permanent Way Renewals.—The physical progress of Permanent Way Renewals during 2019–20.

(a) Through Renewals :

(Fig. in Track Kilometres)

Gauge		Primary		Secondary	
		Through Rail Renewal	Through Sleeper Renewal	Through Rail Renewal	Through Sleeper Renewal
Broad	..	339.87	253.53	87.108	23.15
Metre	..	0.00	0.00	0.00	0.00
Total	..	339.87	253.53	87.108	23.15

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

Type of point	BG	MG	Total	TTR Weihtage
1 in 16	2	-	2	2
1 in 12	110	-	110	110
1 in 8.5	58	-	58	58
Special layouts	2	-	2	4
Traps	23	-	23	5.75
Switch + xing	281	-	281	140.5
Switch	123	-	123	30.75
Crossing	252	-	252	63
Total:	851	-	851	414

(c) Provision of Channel Sleepers :

Gauge	No. of Sleepers			
Broad + Metre..	..	..	..	44 (Renewal of Exg. Channel sleepers)

(d) Ballast put into the track during 2019-20 (in Thousands of cu.mts.)

Total Ballast collection during the year : 788.97 Total Ballast inserted during the year : 705.97

16.2—Track Materials used during the year 2019–20

The permanent way materials used during the year 2019–20 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	334.53	92.44	0.00	0.00	0.00	0.00	426.97
Metre	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:	334.53	92.44	0.00	0.00	0.00	0.00	426.97

(b) Sleepers(in track kilometres)

Gauge	Concrete	Steel	CST-9	Wooden	others	Total
Broad	276.68	0.00	0.00	0.00	0.00	276.68
Metre	0.00	0.00	0.00	0.00	0.00	0.00
Total	276.68	0.00	0.00	0.00	0.00	276.68

(c) Composite wooden blocks and converted sleepers(in track kilometres)

Gauge	Concrete	Wonder Blocks in Nos.	Converted steel trough sleepers Nos.	Total
Broad	252	0.00	0.00	252
Metre	0.00	0.00	0.00	0
Total	252	0.00	0.00	252

16.3—Materials in the track 2019-20—(Running Track) :

(a) Rails

(in Track Kilometres)

Gauge	60 Kg.	52 kg.	90 lbs.	75 lbs	60 lbs.	50 lbs.	others	Total
Broad	..	2903	4301	0	0	0	0	7204
Metre	..	0	0	8	37	1	0	46
Total	..	2903	4301	8	37	1	0	7250

16.3-Materials in the track 2019-20-(Running Track) :**(b) Sleepers**

(in Track Kilometres)

Gauge	Concrete	Steel	CST-9	Wooden	Others	Total
Broad	7204	0	0	0	0	7204
Metre	8	19	18	1	0	46
Total	7212	19	18	1	0	7250

(c) Turnouts : (Main Lines)

(in Nos.)

	1 : 20	1 : 16	1 : 12		1 : 8.5		Others		Total	
	BG	BG	BG	MG	BG	MG	BG	MG	BG	MG
PSC ..	3	93	3826	0	1304	0	9	0	5365	0
Steel ..	0	0	0	0	0	2	0	0	0	2
Wooden ..	0	0	0	4	0	28	0	16	0	48
Total ..	3	93	3826	4	1304	30	9	16	5235	50

16.4.-Welding of Rail Joints :

(a) Total No. of joints welded during the year 2019-20.

(Figures in Nos.)

Gauge	Total No. of Joints welded
Broad + Metre	43,167

(b) Total length of welded track as on 31st March 2020

(Figures in Track Kms.)

Gauge	Short Welded Panels	Long Welded Rails/Continuous Welded Rails	Total
Broad..	636	6506	7142
Metre ..	0	0	0
Total ..	636	6506	7142

(c) Flash Butt Welding Plant :

The work done at the Flash Butt Welding Plant in the Railway 2019-20.

Plant at	Number of joints Welded
Arakkonam	Through contract mobile welding machine : M/s. Kamchand/Varanasi is carrying out the welding works by mobile flash butt welding plant No. I & II (Make Baltresurs : K355AM, Welding head No. 22 & 24) at Arakonam has welded 19410 Joints.

16.5-Speed Restriction :

(a) Speed Restrictions in force on 31st March 2020 due to poor condition of track :-

(in Kilometres)

As on	Broad Gauge	Metre Gauge	Total
31-3-2020	-Nil-	-Nil-	-Nil-

(b) Speed Restriction in force as on 31st March 2020 due to reasons otherthan the above :-

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

(in kilometres)

As on	Broad Gauge	Metre Gauge	Total
31-3-2020	297.94	21.37	319.31

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

(in kilometres)

As on	Broad Gauge	Metre Gauge	Total
31-3-2020	296.49	0.00	296.49

17. Track Renewals

Renewals of the following track kilometres were carried during 2019-20:-

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

Division	Broad Gauge	Metre Gauge
Chennai ..	112.04	0.00
Salem ..	64.61	0.00
Palakkad ..	83.28	0.00
Thiruvananthapuram ..	101.77	0.00
Tiruchchirappalli ..	13.99	0.00
Madurai ..	51.28	0.00
Total ..	426.97	0.00

(ii) Through sleeper renewals (Primary & Secondary)

Division	Broad Gauge	Metre Gauge
Chennai ..	81.03	0.00
Salem ..	36.46	0.00
Palakkad ..	51.74	0.00
Thiruvananthapuram ..	62.79	0.00
Tiruchchirappalli ..	10.48	0.00
Madurai ..	34.18	0.00
Total ..	276.68	0.00

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

Sl. No.	Division	Station-Section particulars	Approximate cost of damages (₹ in Lakhs)
1.	MAS	-	
2.	SA	TN 43 K 3339 damaged crash barrier, RR masonry and track portion at Km.26/400-500. Demolishing of condemned quarters UAM/10	1.33 1.37
3.	PGT	MAJN-PADIL at Km.7/800-900, land slip on 21/08/2019.	70
4.	TVC	-	
5.	TPJ	-	
6.	MDU	-	
7.	CE/CN/ERS	-	
8.	CE/CN/MS	-	
9.	MTP	-	

19. Staff Amenities 2019-20

Sl. No.	Division	Name of work	Estimate Cost in lakhs
(I) Improvements to Water supply.			
(A) Works Completed :—			
(a) Works costing more than Rs. 5 lakhs each.—			
1	MAS	(i) Main Water - PWQ	26.75
		(ii) Provision of deep bore wells SE/Works/MS & SG	21.24
		(iii) MAS-GDR Section - Repair & Maintenance of water supply connections.	16.66
		(iv) NYP - Replacement of existing corroded of tank with RCC OHT of 1 lakh litre capacity.	40.06
		(v) Provision for drinking water facility CGL section.	23.00
2	SA	(i) CBF/CTR - New Bore connections are installed to LC No.2, 4 between CBF - MTP S/L. and LC No.3 & 5 between IGU-PLMD section.	—
		(ii) ED - Improvements of Staff Quarters.	262
		(iii) ED - Improvements to ORH at ED.	12.00
		(iv) ED - Construction of individual water storage	33
		(v) ED - Reroofing/Conversion of Type-I Quarters.	9.45
		(vi) KUY - Improvements to Gang Man Tool Room & Rest Room.	9.34
		(vii) PTJ - Cleaning and maintenance of existing sewer line at SSE/Works/PTJ for a period of two years.	40.14
3	PGT	(i) PGT - Rehabilitation of Chathrakulam Pond near Hemambika Nagar Colony.	27.89
		(ii) PGT - Repairs to corroded pipe line in Officers Colony and North Colony.	59.41
		(iii) PGT - Replacing existing old leaky CI Pipe line from ground level reservoir to Hemambika Nagar Colony with ductile pipe.	20.49
4	TVC	i) Proposed ladies rest room of C&W staff at Ernakulam colony depart CRMCD.	19.55
		(ii) TVC - Repairs to Railway Kalyanamandapam replacement of damaged AC sheet, flooring and false ceiling and improvement to parking area.	60.68
		(iii) Proposed ladies rest room of C&W staff at Trivandrum.	14.6
5	TPJ	(i) TPJ Jn. - Laying Rain Water pipe line from ZRTI Training School Hostel - I, II, III, IV & V to ETP.	19.66
		(ii) Supply of drinking water to station premises and staff quarters at Tirupphiripuliur and Chidambaram stations for a period of one year.	18.43
6	MDU	(i) SSE/W/MDU - Madurai Colony and station - Repairs to existing water installation (Raw Water and Drinking Water)	52.11
		(ii) SSE/WSCT - SCT: Complete renewal of drinking water pipe line station and colony at SCT station.	50.00
		(iii) SSE/W/KKDI - Rameswaram - Construction of RCC Over Head Tank of 90000 litres capacity (2 Nos.) pumping arrangement from radial wells around main well at ROD and providing 3 new wells near Chemmaidam.	86.63
		(iv) SSE/W/KKDI - Rameswaram - Join development of stations in association with Ministry of Tourism for Railway portion in Divisional Engineer/North Jurisdiction - Part-II (Proposed ground level reservoir of one lakh capacity and two lakh capacity, construction of RCC Over Head Tank 90000 litre capacity).	148.56
7	CE/CN/ERS	-	
8	CE/CW/MS	-	
9	MTP	-	

19. Staff Amenities 2019-20

Sl. No.	Division	Name of work	Estimate Cost in lakhs
I. Improvements to Water supply.			
(A) Works Completed :—			
(b) Works costing less than Rs.5 lakhs each.			
1	MAS	-	
2	SA	(i) Providing individual pipe line & PVC door to quarters No.39 & 40 block @ ONR.	3.1
		(ii) Providing individual pipe line & PVC door to quarters No.21 block @ ONR.	2.07
		(iii) Providing individual pipe line & PVC door to quarters No.41 block @ ONR.	2.03
		(iv) ED - Improvements to Doors in ED Railway Colony.	4.89
		(v) ED - Improvements to Approach Roads in Colony.	4.72
		(vi) ED - Brightening of Staff Quarters & Construction of Compound wall (Type V)	4.95
		(vii) ED - Improvements to Supervisors Rest House.	4.99
		(viii) ED - Improvements to Running Room.	4.92
3	PGT	MAQ-MAJN - Cleaning of over head tank and ground level reservoir including scrubbing & disinfection.	1.27
4	TVC	—	
5	TPJ	—	
6	MDU	(i) SSE/W/SCT - TML Station - Repairs to corroded GI pipe lines.	4.00
		(ii) SSE/WSCT - KKZ Station - Repairs to corroded GI pipe lines.	3.00
		(iii) SSE/W/VPT - SGLM - Drilling of Bore well.	2.23
		(iv) SSE/W/VPT - SVKS - Drilling of Bore well.	2.23
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	
B. Works in Progress.			
(a) Works costing more than Rs.5 lakhs each.			
1	MAS	(i) MAS-GDR Section - Repair and maintenance of water supply arrangements & Auto Chlorinator Plants in ADEN/SPE sub-division.	27.31
		(ii) MAS-GDR Section - Supply of drinking water by tanks mounted on lorries to colony.	7.20
		(iii) Replacement of existing tank with RCC tank 50,000 at MJR	37.46
2	SA	SSE/W/PTJ: ADEN/PTJ sub division maintenance of water supply arrangements in SSE/W/PTJ section for a period of two years.	68.32
3	PGT	(i) MAQ - Provision of water re-cycling plant, construction of OHT, pipe line etc.	68.17
		(ii) MAQ - Provision of Water Recyling Plant, designing, supplying, erecting and commissioning of water plant.	87.24
		(iii) PGT Division - Improvements to water supply arrangements at CAN & MAQ.	57.45
4	TVC	—	
5	TPJ	(i) Sarcapalayam - Replacement of cast iron pipe line (2001m) & Ponmalai - Replacement of steel tank by reinforced concrete cement tank.	249.43
		(ii) Sarcapalayam - Additional Collector well to augment the water for summer requirements.	58.19
		(iii) Construction of additional GLR of 5 lakh litres capacity at Tiruchchirappalli Jn.	121.24
		(iv) Setting up of quick watering arrangement at TVR station.	422.17
		Setting up of quick watering arrangement at MV station.	147.76
		(v) Ponmalai - Provision of borewells construcion of GLR and over head tank for Railway Hospital/GOC and DSL Shed/GOC.	194.59
6	MDU	—	
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	

19. Staff Amenities 2019-20

Sl. No.	Division	Name of work	Estimate Cost in lakhs
I. Improvements to Water supply.			
A. Works completed.			
(b) Works costing less than Rs.5 lakhs each.			
1	MAS	—	
1	MAS	—	
2	SA	(i) Clearing of bushes and uprooting plants around Railway Colony at ONR.	5.00
		(ii) Providing toilet and pipe line to gangman rest @ ONR	2.50
		(iii) Providing floor tile, door, window for 40 quarters @ ONR	4.45
		(iv) Proposed Retaining wall and Drainage line behind Quarters No.17 UAM.	2.93
		(v) Providing floor tile, door, window for 41 quarters @ ONR.	4.11
		(vi) Repairs to Roof leakage at 30 B and 17D ONR quarters.	4.78
		(vii) Providing floor tile, door, window for 21 quarters @ ONR.	4.50
		(viii) Providing individual pipe line & PV door to quarters 21 block at ONR.	2.07
		(ix) Providing individual pipe line & PVC door to quarters 41 block at ONR.	2.03
		(x) Proposed BT Road to restrict outside entering Railway Colony near Morse Garden at ONR.	3.07
		(xi) Repairs Toilet 87 & 21 Quarters at ONR.	3.80
		(xii) Repairs to Roof leakage at 55B & 35 ONR quarters.	4.62
		(xiii) Section Maintenance - Supply of materials at ONR section.	0.30
		(xiv) Arresting leakage in GLR and ORH roof at ONR.	1.69
		(xv) Providing individual pipe line & PVC door to quarters 30 & 40 block at ONR.	3.10
3	PGT	—	
4	TVC	—	
5	TPJ	—	
6	MDU	—	
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	
II. Improvements to Sanitation.			
A. Works completed.			
a) Works costing more than Rs.5 lakhs each.			
1	MAS	—	
2	SA	PTJ - Cleaning and maintenance of existing sewer line at SSE/Works/PTJ for a period of two years.	40.15
3	PGT	(i) SRR - Bio Toilet cleaning PF at SRR.	24.46
		(ii) SSE/Works/CLT Section - Cleaning of underground sewage system in Railway Colonies and Stations.	55.92
4	TVC	Kottayam station - Annual maintenance and operation chemical feeding of sewage plant.	12.43
5	TPJ	CWS/GOC - Proposed covered shed over bio toilet cleaning area of 15x10 size and providing CC floor for unloading Bio tanks.	61.04
6	MDU	SSE/W/TEN - Provision of toilet for staff and dressing room facilities for women staff in Sr.DEN/S/MDU jurisdiction CVP, TN.	10.00
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	

19. Staff Amenities 2019-20

Sl. No.	Division	Name of work	Estimate Cost in lakhs
II. Improvements to Sanitation.			
B. Works in Progress.			
(b) Works costing less than Rs.5 lakh each.			
1	MAS	—	
2	SA	—	
3	PGT	(i) SRR - Repairs to toilet of SE/Works/Office Ladies & Gents.	1.96
		(ii) KN - Repairs to toilet and seats of Ladies and Gents.	1.65
		(iii) PGI - Repairs to septic tank and floor, drainage pipe, closet etc. of public toilet.	4.54
		(iv) NIL - Repairs to drainage and kerb wall and circulating area.	3.99
		(v) NIL - Repairs to drainage system in front of station.	1.46
		(vi) SRR - Repairs to drainage between PF No.1 & 2	2.15
		(vii) SRR - Repairs to drainage at new parking area in front of Booking Office.	4.91
		(viii) TLY - Repairs to the Garbage Shed.	1.6
4	TVC	—	
5	TPJ	—	
6	MDU	(i) SSE/W/VPT - VPT - Repairs to Sewage Pump Room and collection well.	3.22
		(ii) SSE/W/SCT - SCT - Repairs to leaks at Qrs. No.100 A & B.	3.00
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	
B. Works in Progress.			
a) Works costing more than Rs.5 lakhs each.			
1	MAS	(i) PER PT Colony - IMP Sewerage.	160.73
		(ii) TBM - Sewage Treatment 1258 of LAW 09-10.	94.16
		(iii) All station PF - Pipe work	20.00
2	SA	—	
3	PGT	(i) SSE/Works/CAN Section - Cleaning underground sewage system drainage & de-weeding bushes vegetation & trees in Railway Colonies etc.	21.0
		(ii) MAQ - Cleaning of underground sewage system in Railway colonies and station building.	24.74
		(iii) MAQ - Provision of Bio-Toilet cleaning platform.	17.47
		(iv) MAQ - Repairs to underground sewage system of MAQ station building.	19.52
4	TVC	—	
5	TPJ	(i) Villupuram (North & South) - Improvement to Quarters, colony roads, watering & drainage arrangements.	545.10
		(ii) TPJ Division - Provision of toilets at stations as per minimum requirement.	246.54
6	MDU	—	
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	
b) Works costing less than Rs.5 lakh each.			
1	MAS	—	
2	SA	—	
3	PGT	MAQ-MAJN - Cleaning of over head tank and ground level reservoir including scrubbing & disinfection.	1.27
4	TVC	—	
5	TPJ	—	
6	MDU	—	
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	

19. Staff Amenities 2019-20

Sl. No.	Division	Name of work	Estimate Cost in lakhs
III. Other Staff Amenity Works			
A. Works in Completed			
a) Works costing more than Rs.5 lakhs each.			
1	MAS	MAS-GDR Repair to building & PF at staiton.	16.66
2	SA	—	
3	PGT	(i) PAY - Proposed construction of track machine staff room etc.	55.12
		(ii) MAQ & MAJN - Brightening up of station building, rest room & TTE rest room.	15.80
		(iii) MAQ - Repairs to inter road of Railway colony.	44.88
		(iv) MAQ - Water proofing of RCC and treatment of under ceiling of station building. Provision for chindren's Park at Railway Colony. Provision of toilet and dress changing room in Railway Institute.	34.18
		(v) MAQ - General maintenance & up keeping of ORH & Supervisor's Rest House.	15.44
		(vi) MAQ - Repairs to ORH & Subordinate Rest House. Construction of compound wall for Railway Colony.Construction of compound wall from RRI Cabin to Qrs. No.1/A-D.	21.42
		(vii) CLT - Provision of gallery in Railway Ground near Railway Institute.	7,79
4	TVC	(i) Ernakulam Goods, Ernakulam Town and Iurmanam - Repairs to flooring of Staff Quarters.	49.10
		(ii) Brightening of staff quarters, station service buildings pale fencing and gate lodges in SSE/W/QLN station.	53.06
		(iii) KCVL - Repairs to the Staff Quarters No.12A-H type I (8 Units)	36.21
		(iv) ALLP - Construction of staff quarters Type III - 4 Nos.	43.98
		(v) Varkala Sivagiri - Trivandrum Pettah sub section - Brightening of Staff Quarters	42.95
		(vi) CAPE - Repairs to Officers Rest House, Holiday Home and Sub-ordinate Holiday Home.	52.65
		(vii) QLN - Cleaning to Staff Quarters in SSE/W/QLN Section.	99.04
		(viii) TVC - Repais to Staf Quarters to Units.	159.38
5	TPJ	(i) Pondicherry - Reconstruction of Staff quarters at PDY Station Type III 2 Nos. in lieu of Qrs No.PDY/26 and PDY/30 (id) 1416/2007-08.CE/OL (Civil Work Completed. Elect. Work under progress)	30.70
		(ii) TJ - Reconstruction of Type II Qrs. 10 Units in lieu of existing age old type I Quarters Nos. 78A - H, 129A-B.	122.60
		(iii) CDM - Proposed reconstruction of Staff Quarters Type III-4 units in lieu of Type II & I Quarters.	41.68
		(iv) Rebuilding of staff qarrters at ALU and SNDI Type II-4 Units at each station in lieu of quarters No.ALU 8, 7 A-C, SNDI 4A-D.	115.39
6	MDU	(i) SSE/W/MDU - Track Machine Equipment Room at MNM station.	10.00
		(ii) SSE/W/SCT - SCT - Repaires to door flooring, roof leakage, plinth production & brightening for 50 Qrs. In SSE/W/SCT section.	20.00
		(iii) SSE/W/VPT - Provision of Toilet for Staff and Dressing Room facilities for Women Staff in Sr.DEN/South jurisdiction (VPT, SRT, CVP, TN, RJPM, TSI & PUU - 07 stations).	45.85
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	
III. Other Staff Amenity Works			
B. Works in Completed			
b) Works costing less than Rs.5 lakh each.			
1	MAS	—	
2	SA	—	
3	PGT	(i) SRR - Repairs to toilet of quarters No.SRR/301 & 302.	1.45
		SRR - Repairs to toilet of quartes No.20	1.92
		(ii) SRR - Repairs to toilet of quarters No.SRR/52 & Repairs to toilet of Qrs. No.133.	2.99
		(iii) KTU - Repairs to roof of quarters No.25	1.86
		(iv) SRR - Repairs to Kitchen at Running Room.	0.62
		(v) SRR - Repairs to toilet of Gang Rest Room No.5	0.46

19. Staff Amenities 2019-20

Sl. No.	Division	Name of work	Estimate Cost in lakhs
III. Other Staff Amenity Works			
B. Works in Progress.			
b) Works costing less than Rs.5 lakh each.			
		(vi) KN - Repairs to Gang Rest Room.	4.57
		(vii) TA - Repairs to toilet bath room and roofign of gang Rest Room 6-B7C.	1.16
		(viii) KN - Repairs to toilet and seats of ladies and gents staff Rest Room.	1.65
		(ix) AAM - Repairs to quarters No.11-A, B, C	4.72
		(x)SRR - Repairs to roof of gang No.5 Rest Room.	1.96
		(xi) KTU - Repairs to trellis and brightening up of quarters No.25.	2.00
		(xii) SRR - Brightening of Quarters No.49	1.03
		(xiii) TIR - Repairs to quarters No.44	3.25
		(xiv) Repairs to Quarters No.	2.50
		(xv) CAN - Repairs to the wall of Qrs. No.211	2.50
		(xvi)CAN - Repairs to the wall of Qrs. No.210 A to L	2.53
		(xvii) CAN - Repairs to the wall of Qrs. No.149 & 156.	1.83
		(xviii) CAN - Repairs to the plinth of Qrs. No.210A to L, 211 A to L.	2.25
		(xix) CAN - Repairs to the roof of Qrs. No.210 & 211.	2.39
		(xx) VAPM - Repairs to the Gang Rest Room.	2.28
		(xxi) Repairs to the Gang Rest Room	1.53
		(xxii) PAZ - Repairs to the floor & roof of Qrs. No.18	2.27
		(xxiii)CAN - Repairs to the floor & roof of Qrs. No.10	4.87
4	TVC	—	
5	TPJ	—	
6	MDU	SSE/W/MDU	
		(i) Madurai Jn. - Provision of staff room with toilet & bath room.	5.00
		SSE/W/VPT	
		(ii) SRT - Repairs to roof tiles for quarters No.34 A-D.	1.26
		(iii) VPT - Provision of roofing and side meshing arrangements for sedimentation tank.	4.85
		(iv) VPT - Repairs to roofing and side meshing in Steel Tanks on PF No.1 @ VPT station.	1.70
		(v) VPT - Cleaning of vegetation in New Colony & Old Colony.	2.26
		(vi) VPT - Brightening up of pale fencing and good shed PF wall.	2.85
		(vii) VPT - Repairs to flooring, patch brightening of TRD sub station.	2.45
		(viii) VPT - Repairs to flooring, patch brightening east side fo RMS gate, Good Shed PF and cleaning of bushes, debris removal.	1.02
		(ix) VPT - Repairs to toilet and brightening of Qrs. VPT/02 & VPT/236B.	1.04
		(x) VPT - Repairs to Qtrs. No.VPT/129-CD, 104-B, 103-A, 108-AB, 234-B, 127-A, 238-A, 154-B, 145-CD, 164-CD, 130-AB, 98-B, 108-AB, 65-AB, 88-B, 231-B, 87, 164-CD, 121, 89-A, 158-A, 119-A, 190-CD, 134-B.	4.71
		(xi) VPT - Brighetning up of Staff Quarters NO.VPT/76-A,B, 77-AB, 78-AB, 79-AB, 80-AB, 84-AB & 85-AB (14 Units Type-II) in New Colony.	4.91
		SSE/W/VPT	
		(xii) VPT - Brightening up of Staff Quarters No.VPT/81-ABCD, 82-ABCD, 83-ABCD, 86-AB, 90-ABCD, 91-ABCD, 92-AB & 231-ABC (16 units, Type-II - 13 Units & Type-I - 3 Units) in New Colony.	4.91
		(xiii) SRT - Brighening up of Staff quarters No.SRT/34-A, 34-B, 34-C, 34-D (4 Units, Type-II).	2.24
		(xiv) SVKS - Repairs to Kitchen Platform, Toilet Flooring, Doors and Back Yard flooring at Qrs. No.SVKS/2A, 2B, 2C, 2D, 15, 22B, 17A, 17B, 24A, 24C, 24D, 18, 6AB, 6C.	4.56
		(xv) RJPM - Clearing of bushes/tank vegetation in Colony & Good Shed area.	0.75
		(xvi) RJPM - Levelling up of ground and removal of debris in colony area.	0.55
		(xvii) VPT - Repairs to Traffic Staff Rest Room.	2.00
		(xviii) VPT - Repairs to roofing, flooring and toilet bath room in Gang Rest Room at Gang No.8 & 8A.	2.61
		(xix) Repairs to Leady Roof and Toilet of Gate Lodge LC No.381 at Km.514/700-800.	0.42
		(xx) Brighetning of Gang Rest Rooms and Pale Fencing in SSE/P.Way/SVKS section.	1.75
		(xxi) VPT-SNKL - Brightening of LC Gate Lodtges, Toilets & Flooring.	4.61
		(xxii) VPT - Provision of SS Sink at service buildings and covering MDTTI into Corono Isolation Ward.	1.19
		(xxiii) VPT - Repairs to Traffic Staff Rest Room.	2.00
		(xxiv) Repairs to toilet in SM Room and Booking Office at TDN & TMQ station.	0.37
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	

19. Staff Amenities 2019-20

Sl. No.	Division	Name of work	Estimate Cost in lakhs
III. Other Staff Amenity Works			
B. Works in Progress.			
a) Works costing more than Rs.5 lakhs each.			
1	MAS	(i) Modification of Store Room to Office, Provision Toilets at TNPM yard. (ii) Garages for OFFR Qtrs. At PY.G & RO.G Ladies Rest Room MS & GSN. (iii) Gate Lodge - PON, SPE & NYP (iv) Repairs Gate Lodge, LC covering - NWL Section. (v) Plumbing, Ladies Rest Room - BBQ. (vi) Ladies Rest Room - PON & SPE (vii) Ladies Rest Room - TBM CGL & TMV. (viii) Ladies Rest Room - TRL & Car Shed, AVD. (ix) The Rest Room of AVD & TRL (Incl. Elect. Works). (x) Rep. & Imp. To Staff Quarters NWL (xi) Imp. Qtrs. PH-II-PT Colony. (xii) Pedestrian Pathway - PER & PWQ.	
2	SA	—	
3	PGT	(i) CAN - Re-building of staff quarters - Type II 40 Units in lieu of Type I Qrs. And construction of Type II Qrs. (1 block of 12 units & 1 Block of 4 units). (ii) Kannur - Rebuilding of staff quarters Type II - 7 units and Type III - 6 units on age cum condition basis in lieu of Type I quarters Nos. 41/A, 83, 64/AB, 85/AB, 86/AB and Type II Qrs. No.58/AD & 62/AB. (iii) PGT - Repairs to officers Rest House, Subordinate Rest House & Transit accommodation. (iv) PGT - Construction of additional one room with 15 beds in the Mobilization hall. (v) PGT - Repairs to Kalyani Rest House, Transit accommodation and subordinate Rest House. (vi) PGT - Repairs to floor and roof of Type II Qrs. 71 Units in North Colony and floor of Type III Qrs. 4 Units in North Colony. (vii) PGT - Brightening of Staff Quarters and Service building at PGT Colony and station area.	245.81 205.93 75.91 44.49 16.28 119.42 175.18
4	TVC	—	
5	TPJ	(i) CUPJ Jn. Construction of one block 8 units of type-I Qrs (Slit+2 floors) (ii) GOC - Improvements to Staff Qrs. In diesel shed -76 units under Corporate Welfare Plan. (iii) Proposed construction of Rest House at Kumbakkonam and Vellore Stations 2 suites. (iv) TPJ Division - Reconstruction of staff quarters Type IV-8 Units (4 Units at VRI and 4 Units at TVR). (v) Tiruvannamalai - Reconstruction of staff quarters Type-II-24 Units in three block of 8 Units (4 in GF + 4 in FF) in lieu of condemned quarters. (vi) Improvement cum Renovation of staff quarters for the damages caused by the cyclonic storm GAJA in ADEN/TJ and ADEN/TVR sub divisions.	102.25 24.00 137.64 249.66 324.68 158.57
6	MDU	(i) MDU Jn. Replacement of damaged hourdis block with RCC sloped roof for Type II Qrs. 104 Units. (ii) Reconstruction of Staff Quarters Type-II 4 Units, Type-III-2 Units at Manamadurai station. (iii) MDU Dn. - Corporate Welfare Plan. Tirupachetti station - Reconstruction of Staff Qrs. Type II 2units in lieu of condemned Qrs.	423.24 55.25 18.19
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	
b) Works costing less than Rs.5 lakh each.			
1	MAS	—	
2	SA	—	
3	PGT	SRR - Repairs to roof of quarters No.301, 302, 325 & 326.	4.79
4	TVC	—	
5	TPJ	—	
6	MDU	SSE/W/MDU- Construction of gang rest room at Sholavandan and Kudalnagar.	5.00
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	

19. Staff Amenities 2019-20

Sl. No.	Division	Name of work	Estimate Cost in lakhs
IV. Hospitals and Health Units			
A. Works completed			
(A) Works costing more than Rs.5 lakh each.			
1	MAS	—	
2	SA	PTJ - Repairs to Hospital building at Raiway Hospital, Podanur.	11.32
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 lakh each.			
1	MAS	HU/MS	
2	SA	—	
3	PGT	(i) SRR - Repairs to Approach Road SDH/SRR. (ii) CAN - Repairs to the door & Windows of Health Unit.	1.80 1.56
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 each.			
1	MAS	(i) Repair to Cardiology - RH/PER (ii) Repairs to PER Rly. Hospital & DORM - RH - PER (iii) Repair to Admin. Block RH - PER (iv) MAS - GDR section SPE Repair to HU at SPE.	
2	SA	PTJ - Reconstruction of Health Unit at PTJ.	91.51
3	PGT	-	
4	TVC	-	
5	TPJ	(i) Ponmalai - Provision of borewells construction of GLR and over head tank for Railway Hospital/GOC and DSL Shed/GOC. (ii) Proposed renovation of OT Post operative ward antenatal ward and Gynaecology ward at RH/GOC.	194.59 159.94
6	MDU	-	
7	CE/CN/ERS	-	
8	CE/CN/MS	-	
9	MTP	-	
(b) Works costing less than Rs.5 lakh each.			
1	MAS	-	
2	SA	-	
3	PGT	SRR - Repairs to toilet of SDH/SRR Female Ward and Male Ward.	2.19
4	TVC	-	
5	TPJ	-	
6	MDU	-	
7	CE/CN/ERS	-	
8	CE/CN/MS	-	
9	MTP	-	

19. Staff Amenities 2019-20

Sl. No.	Division	Name of work	Estimate Cost in lakhs
V. Schools and Hostels.			
A. Works in Completed			
(a) Works costing more than Rs.5 lakhs each.			
1	MAS	—	
2	SA	—	
3	PGT	—	
4	TVC	QLN - Cleaning of the Divisional P.Way training Centre at QLN.	2.33
5	TPJ	TPJ - Upgradation of training facilities at Zonal Railway Training Institute.	345.45
6	MDU	—	
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	
(b) Works costing less than Rs.5 lakh each.			
1	MAS	MS Work completed.	
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 each.			
1	MAS	—	
2	SA	(i) PTJ - Podanure - (S&T Training Centre) - Provision of Training Equipment.	139.60
		(ii) PTJ - Construction of separate ladies hostel and augmentation of mess facilities at STTC/PTJ.	118.86
3	PGT	—	
4	TVC	—	
5	TPJ	(i) Renovation of Hostel No.III and construction of I floor of Ladies Hostel (Hostel No.5), 10 rooms at ZRTI/TPJ	216.15
		(ii) Construction of class rooms, model room, computer lab at 5th BN/RPSF/TPJ.	244.98
		(iii) Upgradation / development of RPF Advanced Training Complex (Id:1537a/Board/10-11) CE/OL	182.01
		(iv) Tiruchchirappalli - Proposed construction of Auditorium at ZRTI/TPJ Training Centre.	83.75
		(v) ZRTI/TPJ - Extension of Dining Hall and Kitchen in Hostel - II.	23.97
6	MDU	—	
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	
(b) Works costing less than Rs.5 lakh each.			
1	MAS	—	
2	SA	—	
3	PGT	—	
4	TVC	—	
5	TPJ	—	
6	MDU	—	
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	

19. Staff Amenities 2019-20

Sl. No.	Division	Name of work	Estimate Cost in lakhs
VI. Running room.			
A. Works Completed.			
(a) Works costing more than Rs.5 lakhs each.			
1	MAS	JTJ - Upgradation of Running Room with 127 cubicle bed facility.	
2	SA	—	
3	PGT	MAQ & MAJN - Brightening of station building, running room & TTE's Rest Room.	
4	TVC	QLN - Proposed roof covering to running room.	15.23
5	TPJ	Provision of air conditioning facilities to running rooms at TPJ and KIK stations.	41.00
6	MDU	Repairs to flooring, doors, windows, partition, sanitary fittings, approach road, drainage arrangements including brightening.	0.10
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	
(b) Works costing less than Rs.5 lakh each.			
1	MAS	MS Completed.	
2	SA	PTJ - Providing vitrified flooring tiles and brightening of Running Room.	4.99
3	PGT	CAN - Repairs to the running room ceiling and door in connection with air condition.	4.21
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 each.			
1	MAS	(i) MSB-Running Room extension of kitchen, shed for kitchen & dining - RPF - MMC. (ii) GPD - Improvement to Running Room.	
2	SA	—	
3	PGT	—	
4	TVC	—	
5	TPJ	PDY - Proposed construction of a new running room with 18 beds capacity at Pondicherry Station.	104.49
6	MDU	—	
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	
(b) Works costing less than Rs.5 lakh each.			
1	MAS	—	
2	SA	—	
3	PGT	(i) SRR - Repairs to Kitchen at Running Room. (ii) SRR - Repairs to roof of Running Room. (iii) SRR - Installing 20000 LPD water softeners iron Removal Plant at Running Room.	0.62 2.63 0.89
4	TVC	—	
5	TPJ	—	
6	MDU	—	
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	

19. Staff Amenities 2019-20

Sl. No.	Division	Name of work	Estimate Cost in lakhs
VII. Miscellaneous works			
A. Works completed.			
(a) Works costing more than Rs.5 lakhs each.			
1	MAS	—	
2	SA	—	
3	PGT	—	
4	TVC	—	
5	TPJ	CDM - Construction of Officers Rest House - 1 suit	28.42
6	MDU	—	
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	
(b) Works costing less than Rs.5 lakh each.			
1	MAS	—	
2	SA	—	
3	PGT	(i) SRR - Repairing damaged compound wall at First Entry.	1.88
		(ii) MNUR - Repairs to front door grill of station building.	0.57
		(iii) PTB - Repairs to cutting at PF No.2 at SRR end.	4.68
		(iv) PTB - Repair sto roofing of the sheet at PF roof and Glavalum sheet FOB.	4.82
		(v) KN - Repairs to compound wall at CLT end.	3.36
		(vi) KN - Repairs to compound wall at CLT end.	4.02
		(vii) NIL - Repairs to drainage and kerb wall at circulating area.	3.99
		(viii) CQA - Repairs to PF compound wall.	0.80
		(ix) SRR - Repairs to retaining wall near old ADEN/Office.	1.58
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 each.			
1	MAS	(i) Annual Repair and Maintenance.	
		(ii) Zonal Work C2	
		(iii) Zonal Work C4	
		(iv) Essential Repair to Officer's Qtrs. PY & ST.Garden.	
		(v) Staff Quarters and Station Building WST.	
		(vi) Repairs to Door and Ceiling - CGL Qtrs.	
		(vii) Repair to Leaky Roof - Tarfelt.	
		(viii) Perambur Office quarters - Face Lift.I	
		(ix) Repairs Maintenance - ADEN/B/I.	

19. Staff Amenities 2019-20

Sl. No.	Division	Name of work	Estimate Cost in lakhs
VII. Miscellaneous works			
B. Works in Progress.			
(a) Works costing more than Rs.5 lakhs each.			
		(x) PWQ - Road - Duncan	
		(xi) PER - Repairs staff quarters & Face Lift.	
		(xii) PER - Repair floor sanitary - Qtrs. & RPF Booth.	
		(xiii) Essential Repairs & Maintenance - SG & Pycrofts Garden.	
		(xiv) Leaky Roof - PWQ	
		(xv) Repairs & BR Staff Quarters - NWL section.	
		(xvi) Repairs & Imp. to Staff Qtrs. NWL	
		(xvii) Repairs to Road Surface in Annanur Colony - NWL	
		(xviii) WST - Repairs to colony approach roads.	
		(xix) MAS - GDR section - Repairs & Maintenance of Station Building Section. Bldg. & Staff Quarters.	
2	SA	PTJ - Podanur - Upgradation of Dog Kennel.	
3	PGT	(i) DEN/East Jurisdiction - Provision of ramps, parking lots, non slippery walk way, water taps, single and trolley path to comply amenities of person with disabilities.	53.12
		(ii) DEN/East Jurisdiction - Provision of amenities, at stations for persons with disabilities to comply the provision of short term facilities 50% stations as per directives of Railway Board.	28.28
4	TVC	—	
5	TPJ	(i) TPJ & Delhi - Setting up of rail heritage document centre.	260.00
		(ii) Construction of boundary wall at various stations in TJ-KIK section for a length of 2000 m to prevent encroachment.	160.09
		(iii) TPJ Divn. - Provision of Monumental Flag Posts at stations.	136.47
6	MDU	—	
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	
4	TVC	—	
(b) Works costing less than Rs.5 lakh each.			
1	MAS	—	
2	SA	—	
3	PGT	—	
4	TVC	—	
5	TPJ	—	
6	MDU	—	
7	CE/CN/ERS	—	
8	CE/CN/MS	—	
9	MTP	—	

20. LEVEL CROSSING 2019-20

1	No. of Level Crossings category wise [As on 31-03-2020]		
	Special Class	:	505
	'A' Class	:	193
	'B' Class	:	274
	'C' Class	:	892
	'C' Class Unmanned	:	0
	Canal Crossing	:	0
	Total	:	1864
2	No. of Level Crossings manned during 2019-2020		
a	Safety Fund	:	0
b	At State Government's Cost [Reimbursable from 80% segment of RSWF]	:	2
c	Others [MPLADS]	:	0
	Total	:	2
3	No. of Level Crossings where additional men were provided without upgrading during 2019-2020	:	0
4	No. of Level Crossings provided with Lifting Barriers during 2019-2020	:	181
5	No. of Level Crossings provided with Lifting Barriers during 2019-2020		
a	Interlocked Level Crossings	:	418
b	Non-interlocked Level Crossings	:	11
	Total	:	429
6	No. of Level Crossings where traffic census was taken in 2019-2020 and action taken in such cases.	:	359
7	No. of Level crossings downgraded during 2019-2020	:	0
8	No. of Level Crossings De-manned / Closed during 2019-2020	:	66

21 (a) Statistics of Rail Usage 2019-20**Primary Rail renewal carried over on various sections during the year 2019-2020**

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	Down	16-17	28.71	52	60	7.31
Chennai Central - Gudur	Down	16-17	61.00	52	60	13.59
Chennai Central - Gudur	Down	17-18	1.30	52	60	1.30
Chennai Central - Gudur	Down	18-19	1.00	52	60	0.34
Chennai Central - Gudur	Down	18-19	6.00	60	60	6.65
TOTAL					29.19	
ROUTE - B						
Chennai Central - Arakkonam	Up Slow	16-17	1.35	52	60	0.36
Chennai Central - Arakkonam	Yard	16-17	7.27	52 II	52	0.58
Chennai Central - Arakkonam	Yard	17-18	6.60	52	60	4.32
Chennai Central - Arakkonam	Down Slow	17-18	5.16	52	60	1.00
Chennai Central - Arakkonam	Up Fast	17-18	1.45	60	60	0.20
Chennai Central - Arakkonam	Down Fast	19-20	5.00	60	60	5.00
Chennai Central - Arakkonam	Down Slow	19-20	0.33	60	60	0.33
Chennai Central - Arakkonam	Up Slow	19-20	0.55	60	60	0.55
Chennai Central - Arakkonam	Up Fast	19-20	0.97	60	60	0.98
Chennai Central - Arakkonam	Yard	19-20	0.60	60	60	0.60
Arakkonam - Jolarpettai	Down	15-16	0.84	60	60	0.84
Arakkonam - Jolarpettai	Up	15-16	0.61	60	60	0.61
Arakkonam - Jolarpettai	Down	16-17	10.60	52	60	2.40
Arakkonam - Jolarpettai	Up	17-18	18.60	52	60	0.65
Arakkonam - Jolarpettai	Up	18-19	2.03	52	60	2.03
Arakkonam - Jolarpettai	Up	19-20	7.75	52	60	3.99
Arakkonam - Renigunta	Up	17-18	5.30	52	60	0.43
Arakkonam - Renigunta	Down	18-19	1.00	52	60	1.00
Arakkonam - Renigunta	Down	19-20	18.60	52	60	10.90
Arakkonam - Renigunta	Down	19-20	18.60	60	60	0.11
Arakkonam - Renigunta	Down	19-20	0.24	60	60	0.24
Chennai Egmore - Tambaram	" A " line	17-18	24.80	52	60	1.20
Tambaram - Chengalpattu	Down	17-18	12.53	52	60	0.98
Tambaram - Chengalpattu	Down	18-19	7.53	52	60	6.08
Tambaram - Chengalpattu	Up	19-20	0.32	60	60	0.32
Jolarpettai - Erode	Up	13-14	2.50	52	60	0.09
Jolarpettai - Erode	Down	OT 17-18	8.48	52	60	4.94
Jolarpettai - Erode	Up	18-19	5.73	52	60	5.73
Jolarpettai - Erode	Down	19-20	2.75	60	60	1.82
Jolarpettai - Erode	Up	19-20	0.52	60	60	0.52
Erode - Podanur	Up	OT 17-18	18.20	52	60	13.78
Erode - Podanur	Down	OT 17-18	7.93	52	60	4.92

21 (a) Statistics of Rail Usage 2019-20**Primary Rail renewal carried over on various sections during the year 2019-2020**

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 - B						
Erode - Podanur	Down	17-18	4.10	52	60	4.10
Erode - Podanur	Down	17-18	2.30	52	60	1.76
Erode - Podanur	Up	17-18	1.40	52	60	0.52
Erode - Podanur	Down	18-19	7.22	52	60	2.07
Erode - Podanur	Down	19-20	4.90	52	60	5.39
Erode - Podanur	Down	19-20	1.04	52	60	1.04
Erode - Podanur	Up	19-20	6.75	52	60	4.79
Irugur - Coimbatore - Podanur	Up	19-20	0.54	52	60	0.54
Podanur - Shoranur	Down	17-18	1.30	52	60	1.30
Podanur - Shoranur	" B " line	17-18	22.90	52	60	3.88
Podanur - Shoranur	" A " line	OT 17-18	3.08	52	60	3.12
Podanur - Shoranur	" A " line	19-20	5.54	52	60	0.80
Shoranur " A " Cabin - Shoranur	SL	17-18	1.44	52	60	1.06
Shoranur " A " Cabin - Shoranur " B " Cabin	Down	OT 17-18	0.87	52	60	0.87
Shoranur " A " Cabin - Shoranur " B " Cabin	Up	OT 17-18	0.70	52	60	0.70
Shoranur - Ernakulam	Up	15-16	2.14	52	60	0.13
Shoranur - Ernakulam	Down	16-17	13.42	52	60	0.41
Shoranur - Ernakulam	Up	16-17	18.59	52	60	1.50
Shoranur - Ernakulam	Down	17-18	17.61	52	60	3.89
Shoranur - Ernakulam	Down	17-18	11.98	52	60	1.20
Shoranur - Ernakulam	Down	18-19	0.56	52	60	0.56
Shoranur - Ernakulam	Down	18-19	3.20	52	60	2.95
Shoranur - Ernakulam	Up	18-19	7.22	52	60	4.93
Shoranur - Ernakulam	Down	19-20	8.56	52	60	8.65
Shoranur - Ernakulam	Up	19-20	4.55	52	60	3.41
Shoranur - Ernakulam	Down	19-20	16.47	52	60	2.14
Shoranur - Ernakulam	Up	19-20	15.92	52	60	1.40
Tiruchchirappalli -Dindugul	Down	OT 17-18	1.15	52	60	1.15
Tiruchchirappalli -Dindugul	Up	OT 17-18	10.69	52	60	9.14
Tiruchchirappalli -Dindugul	Up	18-19	2.00	52	60	1.36
Tiruchchirappalli -Dindugul	Down	19-20	12.34	52	60	7.72
TOTAL					159.98	
ROUTE - C						
Chennai Beach - Tambaram	Dn Subn	19-20	4.54	60	60	0.79
Chennai Beach - Tambaram	Up Subn	19-20	4.47	60	60	1.31
Basin Bridge - Chennai Beach	Down	17-18	1.12	52	60	0.20
Chennai Beach - Velachery	Up	17-18	1.80	60	60	1.40
Chennai Beach - Velachery	Down	18-19	6.30	60	60	1.13
TOTAL					4.83	

21 (a) Statistics of Rail Usage 2019-20**Primary Rail renewal carried over on various sections during the year 2019-2020**

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 - D Special						- Nil -
Karur - Dindigul	SL	18-19	27.00	52	60	1.05
Karur - Dindigul	SL	19-20	0.11	52	60	0.11
Shoranur - Kozhikode	Down	OT 17-18	1.35	52	60	1.11
Shoranur - Kozhikode	Down	OT 17-18	6.92	52	60	6.92
Shoranur - Kozhikode	Up	OT 17-18	1.10	52	60	1.10
Shoranur - Kozhikode	Up	17-18	0.70	52	60	0.40
ROUTE - D						
Kozhikode - Kannur	Down	17-18	11.97	52	60	0.22
Kozhikode - Kannur	Down	OT 17-18	2.83	52	60	2.24
Kozhikode - Kannur	Down	17-18	5.70	52	60	2.51
Kozhikode - Kannur	Up	17-18	5.35	52	60	1.38
Kozhikode - Kannur	Down	19-20	1.81	52	60	1.81
Kozhikode - Kannur	Up	19-20	9.46	52	60	3.87
Kannur - Mangaluru Central	Down	16-17	0.88	52	60	0.07
Kannur - Mangaluru Central	Down	17-18	2.00	52	60	1.55
Kannur - Mangaluru Central	Down	OT 17-18	20.70	52	60	12.89
Kannur - Mangaluru Central	Up	OT 17-18	19.70	52	60	8.82
Kannur - Mangaluru Central	Up	OT 17-18	24.76	52	60	6.46
Kannur - Mangaluru Central	Down	OT 17-18	9.71	52	60	9.21
Mangalore - Tokkur	SL	16-17	8.00	52	60	6.33
Mangalore - Tokkur	SL	OT 17-18	2.74	52	60	0.51
Ernakulam -Kottayam - Kayankulam	SL	15-16	2.00	52	60	1.63
Ernakulam -Kottayam - Kayankulam	SL	16-17	2.05	52	60	0.40
Ernakulam -Kottayam - Kayankulam	Up	16-17	12.24	52	60	2.49
Ernakulam -Kottayam - Kayankulam	Up	17-18	2.47	52	60	2.02
Ernakulam -Kottayam - Kayankulam	SL	17-18	18.75	52	60	1.62
Ernakulam -Kottayam - Kayankulam	Down	18-19	1.57	52	60	1.54
Ernakulam -Kottayam - Kayankulam	Up	18-19	16.27	52	60	3.28
Ernakulam -Kottayam - Kayankulam	Up	19-20	0.52	52	60	0.52
Ernakulam -Alapuzha - Kayankulam	SL	17-18	4.03	52	60	4.03
Ernakulam -Alapuzha - Kayankulam	SL	18-19	1.35	52	60	0.96
Kayankulam - Kollam	Up	17-18	10.08	52	60	0.69
Kayankulam - Kollam	Up	18-19	7.74	52	60	6.04
Kayankulam - Thiruvananthapuram Central	Up	16-17	10.58	52	60	5.86
Kayankulam - Thiruvananthapuram Central	Down	19-20	2.96	52	60	2.54
Kayankulam - Thiruvananthapuram Central	Up	19-20	2.86	52	60	2.46
Kollam - Thiruvananthapuram Central	Down	16-17	3.87	52	60	0.91
Kollam - Thiruvananthapuram Central	Up	16-17	1.02	52	60	0.88

21 (a) Statistics of Rail Usage 2019-20**Primary Rail renewal carried over on various sections during the year 2019-2020**

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 - E						
Kollam - Thiruvananthapuram Central	Down	17-18	4.76	52	60	1.14
Kollam - Thiruvananthapuram Central	Up	17-18	5.86	52	60	2.00
Kollam - Thiruvananthapuram Central	Up	18-19	5.39	52	60	5.12
Kollam - Thiruvananthapuram Central	Up	18-19	7.62	52	60	5.01
Kollam - Thiruvananthapuram Central	Down	19-20	0.92	52	60	0.97
Villupuram - Katpadi	SL	19-20	0.97	52	52	0.97
Virudhunagar - Vanchimaniyachi	SL	18-19	12.78	52	60	11.07
Vanchimaniyachi - Tirunelveli	SL	18-19	5.50	52	60	4.29
Manamadurai - Rameswaram	SL	OT 17-18	1.43	52	60	1.44
TOTAL					138.44	
Pattabiram East Cabin - Pattabiram Military Siding	SL	16-17	6.40	52	60	6.39
Shoranur - Nilambur Road	SL	17-18	16.29	52	60	0.16
Thiruvananthapuram Central - Nagercoil	SL	18-19	1.98	52	60	0.88
TOTAL					7.43	
TOTAL PRIMARY RENEWAL FOR BROAD GAUGE						339.87
METRE GAUGE:						- Nil
SECONDARY Rail renewal carried over on various sections during the year 2019-20.						
Chennai Central - Arakkonam	Yard	17-18	12.60	90R	52Kg - II	4.15
Chennai Central - Arakkonam	Yard	18-19	9.60	52Kg - II	52Kg - II	3.49
Chennai Central - Arakkonam	Yard	18-19	10.70	90R	52Kg - II	6.20
Chennai Central - Arakkonam	Yard	19-20	0.20	90R	52Kg - II	0.20
Arakkonam - Jolarpettai	Yard	14-15	2.83	90R	52Kg - II	0.83
Arakkonam - Jolarpettai	Yard	16-17	0.90	90R	52Kg - II	0.40
Arakkonam - Jolarpettai	Yard	17-18	4.15	90R	52Kg - II	1.00
Arakkonam - Jolarpettai	Yard	18-19	2.23	52Kg - II	52Kg - II	1.61
Arakkonam - Renigunta	Yard	16-17	3.86	90R	52Kg - II	1.28
Chennai Beach - Villupuram	Yard	18-19	5.50	52Kg - II	52Kg - II	4.13
Chennai Beach - Villupuram	Yard	18-19	3.82	90R	52Kg - II	2.64
Jolarpettai - Erode	Yard	19-20	15.15	52Kg - II	52Kg - II	1.92
Erode - Irugur	Yard	19-20	0.70	52Kg - II	52Kg - II	0.70
Jolarpettai - Podanur	Yard	18-19	11.07	52Kg-II / 90R/75R	52Kg - II	3.13
Podanur - Shoranur	Yard	19-20	3.02	52Kg - II	52Kg - II	1.07
Podanur - Shoranur	" B " line	19-20	0.16	52Kg - II	52Kg - II	0.16
Shoranur - Ernakulam	Yard	18-19	0.16	52Kg - II	52Kg - II	0.33
Shoranur - Ernakulam	Yard	18-19	3.66	52Kg - II	52Kg - II	1.94
Villupuram - Tiruchchirappalli (CHORD)	Yard	13-14	4.81	90R	52Kg - II	1.51
Villupuram - Tiruchchirappalli (CHORD)	Yard	15-16	5.30	90R	52Kg - II	2.68
Villupuram - Tiruchchirappalli (CHORD)	Yard	18-19	3.15	90R	52Kg - II	0.38
Villupuram - Tiruchchirappalli (CHORD)	Yard	19-20	0.49	90R	52Kg - II	0.49

21 (a) Statistics of Rail Usage 2019-20**Primary Rail renewal carried over on various sections during the year 2019-2020**

Name of the Section	UP/DN/ SL	Year of sanction	Sanctioned Length	Exg. Rail Section	Rail Renewal done with	Length Renewed during the year
METRE GAUGE						
Erode - Tiruchchirappali	Yard	18-19	20.77	52Kg - II	52Kg - II	5.68
Shoranur - Kozhikode - Mangaluru Central	Yard	19-20	2.66	52Kg - II	52Kg - II	0.81
Cannanore - Mangalore Central	Yard	19-20	0.55	52Kg - II	52Kg - II	0.55
Eranakulam - kottayam - Kayankulam	Yard	14-15	2.25	90R - II	52Kg - II	0.59
Eranakulam - kottayam - Kayankulam	Yard	16-17	2.30	90R - II	52Kg - II	1.23
Eranakulam - kottayam - Kayankulam	Yard	18-19	4.58	52Kg - II	52Kg - II	3.12
Eranakulam - Thiruvananthapuram Central	Yard	16-17	7.46	52Kg-II	52Kg - II	1.57
Kanyakulam - Thiruvananthapuram central	Yard	17-18	3.58	90R	52Kg - II	1.74
Thiruvananthapuram central Yard	Yard	16-17	1.56	90R - II	52Kg - II	0.06
Thiruvananthapuram central Yard	Yard	16-17	1.50	90R	52Kg - II	1.12
Nagercoil - Tirunelveli	Yard	18-19	3.83	90R	52Kg - II	1.20
Villupuram - Tiruchchirappalli (MAIN)	Yard	18-19	0.92	90R	52Kg - II	0.78
Villupuram - Tiruchchirappalli (MAIN)	Yard	19-20	11.76	90R - II	52Kg - II	3.87
Virudhunagar - Tenkasi	Yard	17-18	3.20	90R	52Kg - II	2.42
Vanchi Maniyachi - Tirunelveli	Yard	18-19	9.63	90R	52Kg - II	4.60
Tiruchchirappalli - Rameswaram	Yard	18-19	18.88	90R	52Kg - II	4.25
Pollachi - Palakkad	Yard	19-20	1.40	52Kg - II	52Kg - II	1.40
Eranakulam North - Eranakulam Goods Yard	SL	16-17	1.98	90R	52Kg - II	1.94
Thiruvananthapuram central - Nagercoil	SL	14-15	0.80	90R	52Kg - II	0.67
Nagercoil - Kanniyakumari	Yard	18-19	2.42	52Kg - II	52Kg - II	2.10
Mayiladuthurai - Thiruvavur	Yard	19-20	0.62	90R	52Kg - II	0.62
Tanjavur - Thiruvavur - Karaikkal	Yard	18-19	5.94	90R	52Kg - II	2.00
Nagapattinam - Velankanni	Yard	19-20	0.70	90R	52Kg - II	0.70
Vanchi Maniyachi - Tuticorin	Yard	18-19	4.35	90R	52Kg - II	1.62
Madurai Division	Yard	16-17	16.25	90R	52Kg - II	2.22
TOTAL SECONDARY RENEWAL FOR BROAD GAUGE						87.10
Secondary MG Total						NIL

Para 21 (B) Average Traffic In Gross Million Tonnes Per Running Track Kilometrage Carried Over On Various Sections During The Year 2019-20.

Sections During The Year 2019-20					
Sl. No.	Section	Group	GMT Carried During 2019-20 (In Million Tonnes)		
			Double Line		Single Line
			Up	Dn	
Broad Gauge					
1	Chennai Central - Gummidipundi	A	23.99	21.89	-
2	Gummidipundi - Sullurpeta	A	20.22	18.12	-
3	Sullurpeta - Gudur	A	18.23	16.13	-
1	Chennai Central - Tiruvallur (Fast Line)	B	26.53	29.78	-
1a	Chennai Central - Tiruvallur (Slow Line)	B	16.32	16.32	-
2	Tiruvallur - Arakkonam (Fast Line)	B	26.53	29.78	-
2a	Tiruvallur - Arakkonam (Slow Line)	B	6.69	6.69	-
3	Arakkonam- Katpadi	B	30.67	40.34	-
4	Katpadi - Jolarpettai	B	30.67	40.34	-
5	Arakkonam - Tiruttani	B	28.81	19.43	-
6	Tiruttani - Renigunta	B	26.31	16.93	-
7	Chennai Beach - Tambaram (Emu)	B	16.71	16.71	-
7a	Chennai Egmore - Tambaram	B	13.43	14.20	-
7b	Chennai Beach - Chennai Egmore	B	-	-	27.63
8	Tambaram - Chengalpattu	B	30.14	30.91	-
9	Chengalpattu - Villupuram	B	13.65	14.42	-
10	Jolarpettai - Salem	B	25.56	34.51	-
11	Salem-erode	B	22.70	26.05	-
12	Erode - Irugur	B	25.57	26.03	-
13	Irugur - Coimbatore - Podanur	B	25.57	26.03	-
14	Irugur - Podanur	B	-	-	-
15	Podanur - Palakkad	B	18.71	18.72	-
16	Palakkad - Shoranur	B	18.25	18.43	-
17	Shoranur - Ernakulam	B	22.07	21.15	-
18	Villupuram -tiruchchirappalli ©	B	10.14	10.82	-
19	Tiruchchirappalli - Dindigul	B	9.58	9.87	-
1	Chennai Beach - Velachery	C	11.47	11.47	-
2	Washermanpet - Chennai Beach	C	13.43	14.20	-
1	Erode -Tiruchchirappalli Fort	D	-	-	13.65
2	Karur - Dindigul	D	-	-	10.23
3	Shoranur - Kozhikkode	D	14.04	14.56	-
4	Kozhikkode - Kannur	D	12.74	12.67	-
5	Kannur - Mangalore	D	11.52	11.45	-
6	Mangalore - Thokur	D	-	-	11.15

Sl. No.	Section	Group	GMT Carried During 2019-20 (In Million Tonnes)		
			Double Line		Single Line
			Up	Dn	
Broad Gauge					
7	Ernakulam - Ettumanur	D	12.96	12.00	-
8	Ettumanur - Chingavanam	D	-	-	24.97
9	Chingavanam - Kayankulam Jn.	D	12.96	12.00	-
10	Kayankulam - Kollam	D	12.96	9.99	-
11	Kollam - Tiruvananthapuram Central	D	13.81	13.99	-
12	Ernakulam - Alappuzha	D	-	-	12.83
13	Alappuzha - Haripad	D	-	-	9.40
14	Haripad - Kayankulam	D	4.70	4.70	-
15	Nagercoil - Tirunelveli	D	-	-	10.91
16	Villupuram - Mayiladuthurai	D	-	-	12.96
17	Mayiladuthurai - Thanjavur	D	-	-	10.66
18	Thanjavur - Tiruchchirappalli	D	8.71	8.67	-
19	Villupuram - Vellore Cantonment	D	-	-	3.42
20	Vellore Cantonment - Katpadi	D	-	-	3.68
21	Dindigul - Madurai	D	12.21	12.62	-
22	Madurai - Virudunagar	D	-	-	19.45
23	Virudunagar - Vanchi Maniyachchi	D	-	-	19.45
24	Tiruchchirappalli - Karaikkudi - Manamadurai	D	-	-	4.77
25	Madurai - Manamadurai	D	-	-	2.63
26	Manamadurai - Rameswaram	D	-	-	5.47
27	Virudunagar - Tenkasi	D	-	-	4.09
28	Vanchi Maniyachchi - Tirunelveli	D	-	-	15.17
29	Tirunelveli - Tiruchendur	D	-	-	3.67
1	Walajah Road - Ranipet	E	-	-	-
2	Pattabiram - Pattabiram Military Siding	E	-	-	-
3	Villivakkam - Anna Nagar	E	-	-	-
4	Chengalpattu - Arakkonam	E	-	-	4.81
5	Salem - Metur Dam	E	-	-	21.00
6	Salem - Namakkal - Karur	E	-	-	9.98
7	Coimbatore - Mettupalaiyam	E	-	-	2.61
8	Vriddhachalam - Salem Market - Salem	E	-	-	1.77
9	Kinathukkadavu - Podanur	E	-	-	1.26
10	Palakkad - Palakkad Town	E	-	-	3.17
11	Pollachi - Palakkad Town	E	-	-	2.15
12	Pollachi - Kinathukkadavu	E	-	-	1.35
13	Shoranur - Nilambur Road	E	-	-	3.64

Sl. No.	Section	Group	GMT Carried During 2019-20 (In Million Tonnes)		
			Double Line		Single Line
			Up	Dn	
Broad Gauge					
14	Ernakulam - Cochin Harbour Terminus	E	-	-	8.53
15	Thrisur - Guruvayur	E	-	-	4.73
16	Tiruvananthapuram Central - Nagercoil	E	-	-	11.42
17	Nagercoil - Kanniyakumari	E	-	-	4.65
18	Tiruchchirappalli Fort - Tiruchchirappalli Jn.	E	-	-	14.95
19	Villupuram - Puducherry	E	-	-	4.27
20	Cuddalore Port - Vriddhachalam	E	-	-	1.63
21	Mayiladuturai - Tiruvarur	E	-	-	9.62
22	Thanjavur - Thiruvarur	E	-	-	8.79
23	Tiruvarur - Nagore	E	-	-	14.92
24	Nagore - Karaikal	E	-	-	2.73
25	Nagapattinam - Velankanni	E	-	-	0.48
26	Nidamangalam - Mannargudi	E	-	-	2.61
27	Thiruvarur - Karaikkudi	E	-	-	0.01
28	Vanchi Maniyachchi - Tuticorin	E	-	-	10.12
29	Tirunelveli - Tenkasi	E	-	-	2.89
30	Tenkasi - Sengottai	E	-	-	4.09
31	Dindigul - Palani - Pollachi	E	-	-	2.76
32	Manamadurai - Virudunagar	E	-	-	1.02
33	Sengottai - Kollam	E	-	-	2.11
34	Punalur - Kollam	E	-	-	5.37
Metre Gauge					
1	Mettupalaiyam - Coonoor	S3	-	-	0.09
2	Coonoor-udagamandalam	S3	-	-	0.51
2	Madurai - Bodinayakanur	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 10 Duomatic Tamping machines, 6 High output capacity CSM tamping machines, 1 High output Express Tamper, 7 Unimat Points & Crossings Tamping Machines, 1 Multi Purpose Tamper, 8 Ballast Cleaning Machines, 2 Shoulder Ballast Cleaning Machines, 4 Ballast Regulating Machines, 8 Dynamic Track Stabilizers, 2 Points & crossing Laying Machines, 2 Track Relaying Train, 3 SQRS machine and 8 Utility Track vehicles, thus totaling to 62 machines.

Tamping of 8444 km (worksite & construction including) of track has been done by the High Output tamper and Work Site Tamping machine during 2019-20 in the Rajdhani, Shatabdhi and other high speed / density routes.

Track relaying to the tune of 183.99 km and Turnout renewal to the tune of 141 Nos. in Open Line by Track Relaying Train and by T-28 respectively were also completed during the year 2019-20.

Deep screening by ballast cleaning machines (BCM) to the tune of 373 km of plain track and 233 Nos. of turnout were completed during the year 2019-20.

Through ballast renewal (TBR) on Points & crossing to the tune of 23 Nos. by T-28 machines were completed during the year 2019-20.

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. 4 nos. of PC based digital OMS system (with LAPTOP) have been procured and put into operation as a part of modernization. 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. GPS based PC OMS system (with LAPTOP) are being processed for purchase.

TRACK MANAGEMENT SYSTEM (TMS)

A web based Track Management System was 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. Implementation in other five Divisions is completed and all registers have been withdrawn.

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.

(b) Progress achieved in the various track improvement works during the year 2019-20 is as follows:-

Ballast collection (lac cum)	7.89
Ballast Insertion (lac cum)	7.06
Deep screening (km)	745.55
USFD Testing (km)	20645
Greasing ERC (km)	4036.66
Anticorrosive painting (km)	2544.30
Laying PSC turnouts (sets)	170
Destressing (km)	1429.96

23. Stabilisation of Bad banks :

Progress achieved during the year 2019-20 : 13.20 Kms.

24. Length of Tunnels 2019-20

Sl. No.	Divn.	Section	Gauge	Tunnel No.	Location	Length in 'Mts'	Year of Constr.	Lined/Unlined	Straight/Curve	Remarks
1	MDU	SCT-QLN	BG	1	680/8-681/4	906.78	1901	Lined	ST /Curve	Important, Strengthened during Gauge conversion-2017
2	MDU	SCT-QLN	BG	2	693/2-3	102.7	1901	Lined	Curve	Strengthened during Gauge conversion-2017
3	MDU	SCT-QLN	BG	3	693/4-5	86.3	1901	Lined	Curve	Strengthened during Gauge conversion-2017
4	MDU	SCT-QLN	BG	3A	693/613- 693/826	213	2017	Lined	Curve	New tunnel constructed in GC
5	MDU	SCT-QLN	BG	4	697/4-5	130.75	1901	Lined	Curve	Strengthened during Gauge conversion-2017
6	MDU	SCT-QLN	BG	5	703/2-3	144.70	1901	Lined	Curve	Strengthened during Gauge conversion-2017
7	SA	MTP-UAM	MG	1	9/10-11	34.44	1897	Lined	Curve	
8	SA	MTP-UAM	MG	2	11/10-11	19.51	1897	Un Lined	Curve	
9	SA	MTP-UAM	MG	3	12/3-5	83.52	1897	Un Lined	Curve	
10	SA	MTP-UAM	MG	4	12/7-8	46.94	1899	Lined	ST/Curve	
11	SA	MTP-UAM	MG	5	14/6-7	19.51	1899	Un Lined	Curve	
12	SA	MTP-UAM	MG	6	14/9-10	79.25	1899	Lined	Curve	
13	SA	MTP-UAM	MG	7	15/3-4	88.39	1899	Lined	Curve	
14	SA	MTP-UAM	MG	8	17/8-9	32.92	1899	Un Lined	Curve	
15	SA	MTP-UAM	MG	9	17/10-11	30.48	1899	Un Lined	Curve	
16	SA	MTP-UAM	MG	10	19/5-6	20.12	1899	Un Lined	Curve	
17	SA	MTP-UAM	MG	11	19/11-12	62.48	1899	Un Lined	ST/Curve	
18	SA	MTP-UAM	MG	12	21/3-4	95.10	1897	Un Lined	Curve	
19	SA	MTP-UAM	MG	13	23/12-24/1	72.85	1904	Lined	Curve	
20	SA	MTP-UAM	MG	14	39/9-10	76.20	1907	Un Lined	Straight	
21	SA	MTP-UAM	MG	15	42/5-5	53.64	1907	Lined	Curve	
22	SA	MTP-UAM	MG	16	44/7-9	137.46	1908	Lined	ST/ Curve	
23	PGT	MAQ-PNMB	BG	4A	8/8-9/5	589.63	1969	Lined	ST/Curve	Important
24	PGT	SRR-MAQ	BG	1198 A DN 1198 Up	835/7-9	161.40	1905	Un Lined	Curve	Important
25	PGT	SRR-MAQ	BG	1198 A DN 1198 Up	835/7-9	175.00	2003	Un Lined	Curve	Important
26	TVC	ERS-KTYM	BG	1	60/4-5	66.68	1958	Lined	Straight	
27	TVC	ERS-KTYM	BG	2	60/7-9	80.31	1958	Lined	Straight	
28	TVC	TVC-NCJ	BG	3	231/15-232/2	204.10	1979	Lined	Straight	Important
29	TVC	TVC-NCJ	BG	4	250/7-12	200.60	1979	Lined	2.5 deg.	Important
30	TVC	TVC-NCJ	BG	5	254/8-9	40.10	1979	Lined	2.0.deg	
31	TVC	TVC-NCJ	BG	6	256/14-257/3	130.05	1979	Lined	1.0 deg	
32	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	..	000.00
2	SA	MG (MTP-UAM)	952.81
3	PGT	BG	926.03
4	TVC	BG	801.84
5	TPJ	..	000.00
6	MDU	MG	1584.23
Total Length of tunnels			4264.91

25. Details of Lineal Waterways 2019-20

Gauge	Broad Gauge		Metre Gauge		Narrow Gauge		Total	
Year	2018-19	2019-20	2018-19	2019-20	2018-19	2019-20	2018-19	2019-20
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 for the year 2019-20

(i) Statement showing number of projects, plinth area, estimated cost and value of work done during 2019-20.

Sl. No.	Construction Stage	No. of Projects in Units	Total Plinth area in sq.mtrs.	Total floor area in sq. mtrs.	Estimate cost (in lakhs. of ₹.)	Value of the work done during the period (in lakhs of ₹.)	Value of the work done upto the end of the period (in lakhs of ₹.)
1. Residential building							
A. Family quarters.							
a	In progress ..	110	8358.42	2993.32	1702.03	320.19	1171.16
b	Completed. ..	87	7377.27	5086.36	1079.34	523.96	649.45
B. Non family dwelling barracks							
a	In progress ..	0	0.00	0.00	0.00	0.00	0.00
b	Completed. ..	2	344.00	0.00	0.00	0.00	0.00
2. Industrial building (Factories, Workshops Etc.)							
a	In progress ..	1	0.00	463.75	597.00	0.00	0.00
b	Completed ..	0	0.00	324.63	380.00	350.00	380.00
3. Commercial building (Ware house, offices etc.)							
a	In progress ..	4	7398.40	170.00	1150.05	455.72	0.00
b	Completed ..	5	150.00	0.00	37.30	64.23	64.23
4. Institutional buildings							
a	In progress ..	2	0.00	463.75	688.50	0.00	0.00
b	Completed ..	11	0.00	324.63	318.95	377.63	407.63
5. Other buildings (Public Libraries, Amusement building etc.)							
a	In progress ..	3	1894.50	1629.93	370.01	0.00	0.00
b	Completed ..	1	600.00	82.40	112.40	11.18	11.18

(ii) Statement showing number addition and alternation of projects, plinth area, estimated cost and value of work done during 2018-19 on building by construction Type and stages of construction.

I. Residential building**A. Family Quarters.**

a	In progress ..	39	0	320	648.91	66.41	0
b	Completed ..	75	7867.58	4271.94	1175.8	205.21	836.71

B. Non family dwelling barracks, etc.

a	In progress ..	0	0	0	0	0	0
b	Completed ..	4	474.66	427.194	23.6	4.23	27.83

2. Industrial building

a	In progress ..	1	0	463.75	597	0	0
b	Completed ..	0	0	324.625	380	350	380

3. Commercial building

a	In progress ..	5	7398.4	170	1102.58	428.97	428.97
b	Completed ..	6	531.2	381.2	42.13	42.13	42.13

4. Institutional buildings

a	In progress ..	4	0	0	0	159.94	22.49
b	Completed ..	0	0	0	0	0	0

5. Other buildings

a	In progress ..	1	0	0-	0	260	0
b	Completed ..	1	0	82	12.05	11.18	12.44

**iii. Number of dwelling units/Staff Quarters (Permanent Structure)
constructed and under construction during 2019-20**

Construction Stages							
Sl. No.	Division Name	Type I	Type II	Type III	Type IV	Type V	Other
a	Progress	0	56	17	7	1	0
b	Completed	0	70	16	3	0	0

27. Land Management 2019–20

(a) Tree Plantation

Position for the year 2019–20 is as under

(in thousands)

(in Hectares)

Name of States	Total No. of trees surviving as on 01/04/2019	Total No. of trees planted on Railway land			Total land handed over to Forest Deptt.	
		Departmentally	Forest Dept.	Total	During the year	up-to-date 31/3/2020
Tamil Nadu	1,36,416	39,300	..	1,75,716	10,500	38,720
Karnataka	44,000	235	..	44,235	..	21,660
Kerala	1,70,717	7,280	..	1,77,997	..	19,400
Andhra Pradesh	..	..	..	..	..	..
Total	3,51,133	46,815	..	3,97,948	10,500	79,780

(b) Encroachments—Position of Encroachments on Railway Land

(i) The position for the year 2019–20 is as under :

Total No. of encroachments as on 31-03-2019	Total No. of encroachments			Total No. of cases pending with Estate Officer at the beginning of the year 31-03-2019	No. of cases filed during the year	No. of cases decided during the year	Total No. of cases pending with Estate Officer as on 31-03-2020
	Added	Removed	Total No. of encroachments as on 31-03-2020				
5,240	1,052	216	6,076	3,269	126	126	4,111

(ii) Special Measures taken to remove encroachments : MDU–Necessary Form A & B have been issued. But, eviction could not be carried out due to Law and Order problem. In this regard GM Southern Railway has also met and discussed with Chief Secretary, Kerala. Also, the District Collector, Kollam has been requested to extend full support to start the eviction process.

(c) Position of Licensing Agreement : (Nos.) 2019–20

Item	Total No. of cases	Total No. of cases agreements executed
a. G. M. F.		
(i) Railway employees	0	0
(ii) Outsiders	0	0
b. Commercial plots including vending by Comml. Deptt.	65	38
c. Engineering plots	96	96
d. Shopping plots (Engg. Deptt.)	9	5
e. Oil plots	31	31
f. Others	100	100
Total	301	270

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

Sl. No.	Description	Actual earnings for last three years		
		2017-18	2018-19	2019-20
1.	Licensing of land for G. M. F.	0	0	0
2.	Sale of Grass rights	0	0	0
3.	Sale of Fruit rights	120.48	0	0
4.	Sale of Fishery rights	0	0	0
5.	Sale of matured green trees and dry trees	2755.589	964.27	1284.16
6.	Licensing of land for shopping purposes including Tehbazari purposes	14546	15378	16486
7.	Licensing of land for Oil Companies	140408189	143208592	127310809
8.	Licensing of land for other purposes	176329.41	143198.24	146660.41
9.	Way leave facilities & easement rights both along road & rail approaches	50851834	119538976	497593668
10.	Other Misc. Earnings from Land	33429.969	152780.5	67151.27
	Total	191487204	263059888	625136059

(e) Outstanding Dues (In thousand rupees)

Sl. No.	Item	Position as on 31-03-2019	Accretion during the year (+)	Clearance during the year (–)	Balance Outstanding as on 31-03-2020
1.	G. M. F. Scheme —				
	(a) Railway Staff	0	0	0.00	0
	(b) Outsiders	0	0	0.00	0
	(c) State Governments	0	0	0.00	0
2.	Temporary Commercial Licensing	5762	8520	7328	6984
3.	Outstanding due Oil Companies	1529	9457.445	3327.445	7659
4.	Outstanding dues from Government Department	41258.93	39806.51	1502	78312.44
	Total	48549.93	57783.955	12157.445	92955.44

(F) Total Land Area (in hectares) 2019-20

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 the year	Area of land under active use				Any other use	Area of land lying vacant
				Under track structures & colonies etc	Afforestation	Comml. Licensing	G. M. F.		
1	2	3	4	5	6	7	8	9	10
24321.48	2	3	24325.08	19863.25	1582.84	265.34	23.43	159.54	1566.239

28. Civil Engineering Assets – 2019-20

Plinth area of service buildings (in sq.mts).	Plinth area of residential buildings (in sq.mts).	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 girders bridges (Tonnes)	No. of water pumping points (Nos.)	No. of sewage treatment plant (Nos.)	No. of ballast quarries (Nos.)
4	5	6	7	8 = (6+7)	9	10	11	12 (9 to 11)	13	14	15	16	17
		Major	Minor	Total (m)	FOB	ROB	RUB	Total (m)					
622234.51	626168.06	41635.15	29897.80	71557.35	7220.33	10390.14	4967.03	22577.50	817009.91	11560.83	125.00	32.00	2.00

28. Civil Engineering Assets – 2019-20

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 (Tonne)	Tonnage of steel structures other than girder bridges (Tonnes)	Number of water Pumping points Nos.	Number of Sewerage treatment plant Nos.	Number of ballast quarries Nos.
					Major	Minor	Total (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	2018-19	MAS	12356.75	20551.08	1566.59	716.41	2283.00	54.44	82.24	152.00	580.2	0.00	0.00	1.00	0.00	0.00
	2019-20		7350.00	11400.00	499.29	1345.96	1845.25	106.00	73.78	50.00	229.78	0.00	0.00	1.00	0.00	0.00
2	2018-19	SA	60538.60	107145.74	1530.54	395.21	1925.75	277.77	265.49	197.00	172276.10	0.00	0.00	28.00	1.00	0.00
	2019-20		60778.03	174024.34	1530.54	395.21	1925.75	277.77	265.49	197.00	740.26	0.00	0.00	28.00	1.00	0.00
3	2018-19	PGT	11204.88	138540.83	8286.32	3479.75	15275.07	1840.11	2174.19	97.60	4111.90	7280.91	2323.00	35.00	7.00	2.00
	2019-20		11204.88	60760.39	612.90	11046.10	11659.00	1892.21	2192.03	122.00	4206.24	7782.91	2385.40	45.00	8.00	2.00
4	2018-19	TVC	125985.00	102204.00	13842.64	4523.36	26326.92	1376.10	317.12	2261.99	3955.11	247.00	17570.20	0.00	0.00	0.00
	2019-20		125985.00	102204.00	13842.64	4523.36	18366.00	2103.32	3564.13	626.21	6293.66	8100.00	4725.00	12.00	0.00	0.00
5	2018-19	TPJ	240887.45	194495.00	18436.65	6392.50	7033.19	26326.92	317.12	2583.28	29227.32	2923.28	8608.76	247.00	17570.20	0.00
	2019-20		240887.45	195416.50	18436.65	6392.52	24829.17	2112.19	2392.75	3563.82	8068.76	247.00	1757.20	20.00	14.00	0.00
6	2018-19	MDU	236807.18	256397.17	8243.67	6589.864	14833.534	1006.61	1746.45	592.50	3345.57	800880.00	2693.23	47.00	10.00	0.00
	2019-20		236807.18	256387.17	8243.67	6589.86	14833.53	1006.61	1746.45	592.50	3345.56	800880.00	2693.23	47.00	10.00	0.00
7	2018-19	CE/CNERS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2019-20		0.00	0.00	24.40	0.00	24.40	0.00	421.00	12.50	433.50	0.00	0.00	0.00	0.00	0.00
8	2018-19	CE/CNMS	0.00	0.00	21.00	153.00	174.00	2.00	1.00	2.00	5.00	0.00	0.00	0.00	0.00	0.00
	2019-20		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	2018-19	MTP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2019-20		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total			687779.86	819323.82	51906.41	22097.094	77512.524	7394.443	10224.85	5231.13	195216.185	816507.91	27311.426	147.00	32.00	2.00
	2019-20		622234.51	626168.06	41635.15	29897.50	71557.35	7220.33	10390.14	4967.03	22577.50	817009.91	11560.83	125.00	32.00	2.00



V. परिवहन/TRANSPORTATION

A. Freight:

(In Million Tonnes)

HIGHLIGHTS OF FREIGHT PERFORMANCE (2019-20)

1. Originating Revenue Earning Traffic:

- Originating Revenue Earning Traffic during this financial year 2019-20 was **31.757 M.T.**
- Out of **16.945 M.T** Coal loading for this financial year, **13.097 M.T** Coal loaded for TNEB Power Houses & Other State Power Houses. (i.e.77%)
- For this financial year 2019-20, Iron & Steel loading increased by **31%** as compared with 2018-19 (i.e 0.255 M.T to 0.333 M.T)
- During the financial year 2019-20, **Indigenous Fertilizer and Imported Fertilizer** loading increased by **10% (2.423 M.T to 2.657 M.T)** and **15% (0.808 M.T to 0.930 M.T)** respectively when compared to 2018-19.
- POL loading had increased from 3.845 M.T during 2018-19 to 4.373 M.T during 2019-20 with an increase of 14%.
- Automobile loading at MLPM had increased from 263 rakes during 2018-19 to **293** rakes during 2019-20 with an increase of 11%.

2. Originating Revenue Earning Traffic (In Million Tones) for 2019-20 & 2018-19 as compared with Board's BE target for 2019-20 are as under :—

(In Million Tonnes)

Commodity	2019-20 (Target)	2018-19 Actual	2019-20 (Actual)	% Variation over Target	% Variation over Last year
COAL	20.810	19.626	16.945	- 19 %	- 14 %
RMSP	2.720	2.534	0.628	- 77 %	- 75 %
STEEL	0.300	0.256	0.333	+ 11 %	+ 30 %
IRON-ORE	0.600	0.565	0.332	- 45 %	- 41 %
CEMENT	1.600	1.467	1.361	- 15 %	- 7 %
FOODGRAINS	1.230	1.219	1.037	- 16 %	- 15 %
FERTILISERS	3.100	3.231	3.586	+ 16 %	+ 11 %
POL	3.950	3.844	4.374	+ 11 %	+ 14 %
CONTAINERS	1.690	1.463	1.293	- 23 %	- 12 %
OTHERS	2.000	1.552	1.868	- 7 %	+ 20 %
TOTAL	38.000	35.757	31.757	- 16 %	- 11 %

2.4. Clearance of Traffic from Ports : (April-2018 to March-2020)

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

The traffic originated from various ports during 2019-20 compared to previous year 2018-19 are as under :

Name of Port	Port-wise Loading for the year 2019-20 compared with last year										% Vari over last year
	Year	Coal	RMSP	Fert	Cont	Gyp	I-ore	I & Steel	Others	Total	
HOM	18-19	0	2530	0	0.661	0.136	0.035	0.013	0	3.375	-63
	19-20	0	0.627	0	0.550	0.02	0.052	0.002	0	1.251	
ENR	18-19	6.775	0	0.011	0.049	0.036	0	0	0	6.871	-35
	19-20	4.084	0	0.120	0.077	0.200	0	0	0	4.481	
KIKP	18-19	5.498	0	0.236	0	0	0.533	0	0.008	6.275	+17
	19-20	6.797	0	0.274	0	0	0.279	0	0	7.350	
TNHP	18-19	0.107	0	0.156	0.005	0.008	0	0	0.004	0.280	+209
	19-20	0.612	0.04	0.224	0.002	0	0	0	0.024	0.866	
NMPT	18-19	4.230	0	0.256	0	0.100	0.001	0	0.006	4.593	-42
	19-20	2.253	0	0.313	0	0.075	0	0	0.034	2.675	
CHTS	18-19	0.020	0	0	0.011	0	0	0	0	0.031	-71
	19-20	0	0	0	0.009	0	0	0	0	0.009	
TOTAL	18-19	16.630	2530	0.659	0.726	0.280	0.568	0.013	0.019	21.425	-22
	19-20	13.746	0.631	0.931	0.638	0.295	0.331	0.002	0.058	16.632	

B. Coaching

Punctuality of Passenger Carrying Trains:

	RB Target	Achieved
Punctuality performance of Mail/Express Trains	85	85.1

Special Trains:

	No. of Trains	No.Of trips
Southern Railway SPI (TOD)	490	1490

Alarm chain pulling:

	Cases
Punctuality loss due to Alarm chain pulling	562

Changes in train services

1. Introduction of Trains : (including Gauge converted Sections)

S. No.	Train No	Description	Date of introduction
1	16349/16350	Kochuveli - Nilambur Road Rajya Rani Express	09.05.2019
2	17313/17314	Hubbali - Chennai Central (Bi-Weekly) Express	17.09.2019
3	76802/76801	Karur- Salem DEMU	16.10.2019
4	56608/56609	Palani- Coimbatore Passenger	16.10.2019
5	56183/56184	Coimbatore - Pollachi Passenger	16.10.2019
6	66622/66623	Coimbatore-Mettupalayam MEMU Service	01.02.2020
7	16595/16596	Yesvantpur-Karwar-Yesvantpur (daily)	08.03.2020

2. Extension of trains : NIL

3. Increase in Frequency:

SN	Train No.	Train Name	From - To	W.e.f
1	20601/20602	MAS - MDU-MAS AC SF Exp	weekly to Tri-weekly	Ex MAS : 10.06.20 Ex MDU: 11.06.20

4. Trains diverted :

Sl. No.	Train No and description	With effect from (JCO)	Diversion via
1.	12511 GKP-TVC Raptisagar (TW) Exp	04.04.2019	via SRR 'B' Cabin
2.	12512 TVC-GKP Raptisagar (TW) Exp.	02.04.2019	via SRR 'B' Cabin
3.	12521 BJU-ERS (Weekly) Exp.	01.04.2019	via SRR 'B' Cabin
4.	12522 ERS-BJU (Weekly) Exp.	05.04.2019	via SRR 'B' Cabin
5.	22645 INDB-TVC Ahilyanagari (W) Exp	01.04.2019	via SRR 'B' Cabin
6.	22646 TVC-INDB Ahilyanagari (Weekly) Exp	06.04.2019	via SRR 'B' Cabin
7.	22647 KRBA-TVC (Bi-Weekly) Exp.	03.04.2019	via SRR 'B' Cabin
8.	22648 TVC-KRBA (Bi-Weekly) Ex	01.04.2019	via SRR 'B' Cabin
9.	13351 DHN/TATA-ALLP (Daily) Exp.	01.04.2019	via SRR 'B' Cabin
10.	13352 ALLP- DHN/TATA (Daily) Exp.	01.04.2019	via SRR 'B' Cabin
11	16339/16340 CSMT – NCJ (4 days) Express	01.12.2019	Via Namakkal
12	11021/11022 DR-TEN (TW) Express	07.12.2019	Via Namakkal

COST OF STAFF (Rs. in Lakhs)		
Group	2018-19	2019-20
A	34552.76	43846.25
B	11106.98	11879.31
C	992769.48	1020592.89
D	0	0
Total	1038429.22	1076318.45

NUMBER OF STAFF

Group of Staff	Open Line		Construction		Total	
-	2018-19	2019-20	2018-19	2019-20	2018-19	2019-20
A	647	743	65	74	712	817
B	319	314	83	63	402	377
C	83588	82476	1137	990	84725	83466
D	0	0	0	0	0	0
Total	84554	83533	1285	1127	85839	84660

5. Speeding up of Mail/Express TRAINS :-**I. INTRA RAILWAY TRAINS: (Express)**

Sl. No	T. No	From	To	Speeded up	Sl. No	T. No	From	To	Speeded up
1	16192	NCJ	MS	130	17	22652	PGT	MAS	10
2	16723	MS	QLN	20	18	16650	NCJ	MAQ	10
3	16127	MS	GUV	10	19	16629	TVC	MAQ	5
4	22154	SA	MS	5	20	22609	MAQ	CBE	5
5	12672	MTP	MAS	5	21	16604	TVC	MAQ	5
6	16865	MS	TJ	10	22	12084	CBE	MV	5
7	16343	TVC	MDU	25	23	16615	MQ	CBE	5
8	12637	MS	MDU	15	24	16866	TJ	MS	15
9	16182	SCT	MS	10	25	16187	KIK	ERS	10
10	16102	QLN	MS	10	26	16603	MAQ	TVC	10
11	12638	MDU	MS	5	27	16630	MAQ	TVC	5
12	16344	MDU	TVC	5	28	16304	TVC	ERS	5
13	22627	TPJ	TVC	5	29	22621	RMM	CAPE	5
14	16791	TEN	PGT	30	30	16302	TVC	SRR	5
15	22651	MAS	PGT	20	31	16350	NIL	KCVL	5
16	16792	PGT	TEN	20					

II. INTER RAILWAY TRAINS: (Express)

Sl. No	T. No	From	To	Speeded up	Sl. No	T. No	From	To	Speeded up
1	17644	COA	CGL	40	17	12898	BBS	PDY	35
2	12968	JP	MAS	15	18	12663	HWH	TPJ	25
3	13576	JSME	TBM	15	19	17407	TPTY	MQ	10
4	16032	SVDK	MAS	10	20	12868	PDY	HWH	5
5	16094	LKN	MAS	10	21	12897	PDY	BBS	5
6	14815	BGKT	TBM	5	22	16351	CSMT	NCJ	10
7	12652	NZM	MDU	60	23	16339	CSMT	NCJ	10
8	16788	SVDK	TEN	30	24	19578	JAM	TEN	10
9	11043	LTT	MDU	25	25	12521	BJU	ERS	10
10	12651	MDU	NZM	15	26	12201	LTT	KCVL	5
11	17615	KCG	MDU	15	27	22113	LTT	KCVL	5
12	22631	MDU	BKN	10	28	22837	HTE	ERS	5
13	16790	SVDK	TEN	10	29	22815	BSP	ERS	5
14	22632	BKN	MDU	5	30	12642	NZM	CAPE	15
15	12133	CSMT	MAJN	10	31	11013	LTT	CBE	15
16	12867	HWH	PDY	45					

III. PASSENGER TRAINS :

Sl. No	T. No	From	To	Speeded up	Sl. No	T. No	From	To	Speeded up
1	56335	SCT	QLN	55	21	56732	SCT	MDU	10
2	56041	TPTY	PDY	25	22	56796	SCT	TEN	10
3	56882	VM	TPTY	20	23	56334	QLN	PUU	10
4	56105	SA	KRR	20	24	56770	TCN	PGT	10
5	56885	TPTY	VM	15	25	56366	PUU	GUV	10
6	56106	KRR	SA	15	26	56651	CBE	CAN	10
7	56704	MDU	DG	15	27	76827	TJ	TPJ	5
8	56797	TEN	SCT	15	28	76820	TPJ	TJ	5
9	56803	TEN	SCT	15	29	76853	KIK	TPJ	5
10	56859	TBM	VM	15	30	56113	MV	TPJ	5
11	66308	QLN	ERS	15	31	76806	TPJ	MQ	5
12	56116	TJ	MV	10	32	76833	TPJ	KRR	5
13	56034	MQ	MV	10	33	56705	VM	MDU	5
14	56714	TPJ	KIK	10	34	56336	QLN	SCT	5
15	56823	MV	TPJ	10	35	56741	TN	TEN	5
16	56711	KIK	TPJ	10	36	66600	CBE	ED	5
17	76821	TJ	TPJ	10	37	66605	CBE	SRR	5
18	76851	KIK	TPJ	10	38	56653	CLT	CAN	5
19	56042	PDY	TPTY	10	39	56620	NIL	SRR	5
20	56701	PUU	MDU	10	40	56601	SRR	CLT	5

6. Stoppages provided for Express Trains :

S.No.	T.No.	Train Name	Stoppage at	w.e.f
1	16101	MS-QLN	Auvaneeswaram	31.10.19
2	16102	QLN-MS	Auvaneeswaram	01.11.19

7. Revision of Train Numbers.

S.No.	Existing Train No.	New Train No.	with effect from
1	56867	MS-PDY	66051
2	56868	PDY-MS	66052
3	56007	AJJ-KPD	66057
4	56008	KPD-AJJ	66058
5	56009	AJJ-VLR	66059
6	56010	VLR-AJJ	66060
7	56013	AJJ-VLR	66063
8	56014	VLR-AJJ	66064
9	56861	VM-PDY	66065
10	56862	PDY-VM	66066
11	56863	VM-PDY	66067
12	56864	PDY-VM	66068
13	56865	VM=PDY	66069
14	56866	PDY-VM	66070
15	56059	TBM-VM	66055
16	56060	VM-TBM	66056

Steps taken to ease over-crowding

The details of special trains operated by SR and other railways is as under :

	No. of Trains	No. of trips	Permanent Augmentation :	
Southern Railway SPI(TOD)	490	1490	No. of Rakes	76
			No. of Trains	60 pairs
Other Railway SPI (TOD)	388	2990	No. of coaches	110

C. Traffic Safety**1. Safety Rules:**

(i) 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 six corrections to GRs (Correction Memos Number 2/2019,03/2019,04/2019,05/2019,1/2020 and 2/2020) were issued.

(ii) Apart from the above, one Operating safety circular No. 17 on the subject ' Precautions to be taken during shunting" was issued.

(iii) A Compendium of Safety Rules and instructions issued from 2010 to 2019 was published by COM and circulated to all Divisions.

(iv) GRS incorporating all the corrections issued upto 01/2028 has been reprinted and issued all Divisions during 2019.

2. Training :

(i) Training modifies the knowledge, skill and attitude of staff to suit job needs. Training plays a vital role in promoting human resources for achieving safety and efficiency in operations.

(ii) MDZTI/TPJ plays a crucial role in enhancing the efficiency and safety consciousness of staff of Southern Railway for upgrading human resources.

(iii) Performance Highlights of MDZTI/TPJ during the period:

a. During the period (April 2019 to March 2020) 322 courses were conducted and 8410 trainees were trained.

b. Model control office was inaugurated by the COM on 27.11.19.

3. Safety Seminars and Safety Drives :

1. The safety drive for traffic staff on "Checking the alertness of staff on duty " was conducted from 31.03.19 to 06.04.19.

2. The safety drive for traffic staff regarding Procedure to be followed during block failures was conducted from 10.05.19 to 19.05.19.

3. The safety drive for traffic staff on " To sensitize staff to observe rules and instructions during normal working and abnormal conditions " 06.06.19 to 12.07.19.

4. The safety drive for traffic staff regarding "Short cut methods being adopted by operating and S&T staff during maintenance and use of S&T gears. were conducted from 25.07.19 to 08.08.19.

5. 12 Safety seminars were conducted in all the Divisions on the various subjects during this period.

Punctuality performance				
Details	Mail/Express	Passenger (PSPC)	SUBurban	Passenger MD
Target	80%	75%	80%	..
Train Rep.	101824	114935	199367	2585
Lost	15162	18182	27205	80
RT	86662	96753	172162	2505
RT %	85.1	84.2	86.4	96.9

ITEM No. 2 VOLUME OF TRAFFIC HANDLED AND TRANSPORTATION OUT PUT. *(Figures in thousands)*

Sl. No.	Description	2018-2019	2019-2020
(a)	No. Passenger Carried (System)..	902752	8456856
(b)	Passenger Kms. ..	88500274	88131030
(c)	Passenger train Kms. *Excl. Deptl. (incl. MEMU, DEMU, EMU)	68787	69638
(d)	Total Coaching Vehicle Kms. .. (Excl. deptl. incl. MEMU, DEMU, EMU)	2256863	2272406
(e)	Total freight tonne Kms. .. (Rev+Non-Rev)	16976088	15473242
(f)	Goods train Kms. Excluding Departmental.	<u>10560</u>	9971
(g)	Total Wagon Kms. Excluding Dept. & Brake-van.	478660	449659
(h)	Total train Kms. (Excl. Deptl.) .. * (incl. Pass & Goods and also MEMU, DEMU, EMU).	79347	79608
(i)	Total Engine Kms. ..	80699	80588
(j)	Total Gross Tonne Kms. (incl. weight of Engine & Deptl.) and inclu. coaching, goods EMU MEMU DEMU).	<u>98474975</u>	97001143

Note. :- indicates revision.

(*) 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.

ITEM No. 3 OPERATING EFFICIENCY

The important efficiency statistics are given below :-

Sl. No.	Description	Broad Gauge		Metre Gauge	
		2018-19	2019-20	2017-18	2018-19
I	Wagon Kms. Per wagon day on line (in terms of eight wheelers)	<u>151.22</u>	120.74	0	0
II	Coaching vehicle Kms. Per Vehicle day :				
	(a) Passenger	492.69	483.60	35.92	37.00
	(b) Other Coaching	523.70	530.70	0	0
III	Percentage of loaded to total Wagon Kms.	57.00	57.00	0	0
IV	Speed of all Goods trains (Kms. Per hour)	28.12	28.75	0	0
V	Average starting wagon load (Tonnes)	<u>60.4</u>	58.79	0	0
VI	Loads of Goods trains (Tonnes)				
	(a) Net or freight load	<u>1606.50</u>	1550.37	0	0
	(b) Gross load (incl. Weight of engine)	<u>2841.56</u>	2785.73	0	0
	(c) Gross load (Excl. Weight of engine)	<u>2684.16</u>	2626.81	0	0
VII	Net tonne km. Per wagon day on line	<u>5359.45</u>	4151.14	0	0
VIII	Net tonne km. Per locomotive day in use	<u>149911</u>	147345	0	0
IX	Net tonne Km. per engine hour	<u>12248</u>	11224	0	0
X	Gross tonne Km. Per engine hour	<u>21772</u>	20271	0	0

Note. :- indicates revision due to adoption of FOIS data as per Railway Board's order. * All Wagon related items are in terms of 8 wheelers.

Item No. 4 Originating Tonnage under plan heads:-

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

(Figures in Millions)

Sl. No	Tonnage Originating	2018-19	2019-20
1	Coal		
	(i) Coal for Railway use ..	0.00	0.00
	(ii) Coal for Steel Plant ..	2.82	1.44
	(iii) Coal for other use ..	16.80	15.51
	(iv) Total Coal ..	19.62	16.95
2	Raw materials for steel plants (Other than coal).	3.10	0.95
3	Finished products from steel plants.	0.00	0.21
4	Cement ..	1.47	1.36
5	Export Ores:		
	(i) Iron Ores ..	0.00	0.00
	(ii) Manganese Ore ..	0.00	0.00
6	Miscellaneous Goods (incl. RMC)		
	(i) Railway Materials ..	0.22	0.21
	(ii) Foodgrains ..	1.22	1.04
	(iii) Mineral Oils ..	3.84	4.37
	(iv) Fertilizers ..	3.09	3.39
	(v) Other Goods ..	3.41	3.48
	(vi) Total Misc. Goods ..	11.78	12.49
7	Total All Traffic (Revenue & Non-Revenue) ..	35.97	31.96

10. 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	
		2018-19	2019-20	..	..
(a)	Average No. of wagons owned. (in terms of 8 wheelers)	9160	9790	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)	<u>8674</u>	10172	0	0
(d)	No. of wagons loaded daily : REV. and NON REV.				
	i. Originating	1634	1472	0	0
	ii. Transhipment	0	0	0	0
	iii. Repacked	0	0	0	0
	iv. Coaching traffic	0	0	0	0
	v. Total loading	1634	1472	0	0
(e)	No. of loaded wagons received daily from other Rlys.	1142	1068	0	0
(f)	Turn round of wagons (on line)	2.49	3.35	0	0

Note. :- indicates revision due to adoption of FOIS data as per Railway

* All Wagon related items are in terms of 8 wheelers. NA.-not available

11. Wagons on Line

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

Gauge	2018-19	2019-20	% variation over previous year
Broad	9,290	9,917	6.75
Metre	0	0	0.00
Total	9,290	9,917	6.75

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

Gauge	2018-19	2019-20	Percentage variation over previous year
Broad	8,674	10,172	17.27
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	2018-19	2019-20	Percentage variation over previous year
Broad	5,96,329	5,38,926	-9.63
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	2018-19	2019-20	Percentage variation over previous year
Broad	4,16,808	3,91,172	-6.15
Metre	0	0	0.00

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

Gauge	2018-19	2019-20	Percentage variation over previous year
Broad	8.31	6.35	-23.59
Metre	0	0	0.00

13 STATEMENT OF NET TONNEKMS.(CARRIED BASIS)

(Figures in Millions)

Particulars	2018-2019	2019-2020
I. Coal		
(i) Coal for Railway Use ..	0	0.00
(ii) Coal for Steel Plants ..	579.61	462.15
(iii) Coal for Other Use ..	4360.72	3890.74
(iv) Total Coal ..	4940.33	4352.89
II. Raw Materials for Steel Plants (Other than Coal).	867.73	486.43
III. Finished products from Steel Plants	1019.29	1062.50
IV. Cement ..	1834.39	1494.3
V. Export Ore		
(i) Iron Ore ..	0	0
(ii) Manganese Ores ..	0	0
VI. Miscellaneous Goods		
(i) Railway Material ..	12.04	0
(ii) Foodgrains ..	3370.49	3178.88
(iii) Mineral Oil ..	1320.01	1314.75
(iv) Fertilizer ..	1488.49	1653.31
(v) Other Goods ..	2123.32	1915.98
(vi) Total Misc. Goods ..	8314.35	8077.12
Total all traffic ..	16976.09	15473.24

14. ENGINEUSAGE

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

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

(Figures in thousands)

Particulars	2018-19	2019-20	% variation over previous year
(a) Passenger			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	28,634	25,305	-11.63
Dsl. Hyd. ..	0	0	0.00
Elec. ..	53,835	55,213	2.56
Total ..	82,469	80,518	-2.37
M. G. Steam ..	2219	19	-13.64
Dsl. Elec. ..	57	60	5.26
Dsl. Hyd. ..	0	0	0.00
Elec. ..	0	0	0.00
Total ..	79	79	0.00
(b) Goods			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	4,464	3,916	-12.28
Dsl. Hyd. ..	0	0	0.00
Elec. ..	21,142	18,999	-10.14
Total ..	25,606	22,915	-10.51
M. G. Steam ..	0	0	0
Dsl. Elec. ..	0	0	0.00
Dsl. Hyd. ..	0	0	0
Elec. ..	0	0	0
Total ..	0	0	0.00
(c) Mixed			
B. G. Steam ..	0	0	0
Dsl. Elec. ..	0	0	0
Dsl. Hyd. ..	0	0	0
Elec. ..	0	0	0
Total ..	0	0	0
M. G. Steam ..	0	0	0
Dsl. Elec. ..	0	0	0
Dsl. Hyd. ..	0	0	0
Elec. ..	0	0	0
Total ..	0	0	0
(d) Total EKMs incl. Deptl.			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	33,098	29,221	-11.71
Dsl. Hyd. ..	0	0	0
Elec. ..	74,977	74,212	-1.02
Total ..	10,80,75	1,03,433	-4.30
M. G. Steam ..	29	26	-10.34
Dsl. Elec. ..	61	64	-4.92
Dsl. Hyd. ..	0	0	0.00
Elec. ..	0	0	0.00
Total ..	90	90	0.00

Note. :- indicates revision due to adoption of FOIS data as per Railway Boards Order.

II. Engine Kms. per day per engine in use :-

(a) Passenger Service			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	468	499	6.62
Dsl. Hyd. ..	0	0	0.00
Elec. ..	883	9503	7.59
Combined ..	@	@	..
M. G. Steam ..	33	30	-9.09
Dsl. Elec. ..	64	67	4.69
Dsl. Hyd. ..	0	0	0.00
Elec. ..	0	0	0.00
Combined ..	@	@	@
(b) Goods Service			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	385	589	52.99
Dsl. Hyd. ..	0	0	0.00
Elec. ..	453	444	-1.99
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

Note. :- indicates revision due to adoption of FOIS data as per Railway Boards Order. (@) 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.

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

(Figures in thousands)

Particulars	2018-19	2019-20	% variation over previous year
(a) Passenger			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	318	296	-6.92
Dsl. Hyd. ..	0	0	0.00
Elec. ..	437	409	-6.41
Combined ..	@	@	..
M. G. Steam ..	13	12	-7.69
Dsl. Elec. ..	34	35	2.94
Dsl. Hyd. ..	0	0.00	
Elec. ..	0	0	0.00
Combined ..	@	@	@

Note. :- indicates revision due to adoption of FOIS data as per Railway Boards Order.

(@) 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.

16. 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	2018-19	2019-20
B.G.	Mail & Express	78.7	84.1
	Passenger	81.9	83.0
	Suburban (EMU)	84.1	85.1
M.G.	Mail & Express	0.0	0.0
	Passenger	98.3	95.9
	Suburban (EMU)	0.0	0.0

GOODS EARNINGS UNDER IMPORTANT HEADS DURING 2019-2020

Sl. No.	Particulars	Tonnes Carried (in millions)		Earnings (in lakhs of ₹)	
		2018-19	2019-20	2018-19	2019-20
	Revenue Earnings Traffic				
1.	Products of Agriculture	9.474	9.070	48,456.41	44,572.38
2.	Animals & Products of animals.	..	..	..	..
3.	Products of mines	25.272	20.760	1,30,927.91	1,17,764.32
4.	Mineral oil	4.430	4.910	27,777.52	24,792.27
5.	Products of Forests	0.188	0.071	918.81	317.19
6.	Manufactures	11.841	10.681	54,648.70	47,124.17
7.	Others	8.476	8.880	43,460.19	34,659.20
8.	Total Revenue Traffic				
	Excel Misc. Goods Earnings.	59.681	54.372	3,06,189.54	2,69,229.53
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).	0.220	0.213	332.16	307.78
b.	For other Govt. Railways.	..	..	..	..
11.	Total Non-Revenue traffic.	0.220	0.213	332.19	307.78
12.	Grand Total	59.901	54.585	3,06,521.70	2,69,537.31

Note. :- indicates revision due to adoption of FOIS data as per Railway Boards Order.

18. WATER SUPPLY 2019-20

Sl. No.	Division	Name of Work	Estimate cost Rs. in lakhs.
I. Works completed			
a Works costing more than ₹ 5 lakhs each			
1.	MAS	-	
2.	SA	Erode Pump House replacement of over aged 50 HP centrifugal pumps with energy efficient vertical turbine pumps.	16.00
		Sr.DEN/W/SA Jurisdiction : (i) Construction of individual water store tank for staff quarters over SA Division (1500 Units)	42.18
		(ii) Watering facilities in the stabling lines between 9, 10, 11 & 12 and in platform No.6 at CBF platform No.1.	74.73
3.	PGT	-	
4.	TVC	TCR - Sub division - Deslitting of septic tanks, IC manhole at sewage.	37.41
		TCR P.Way Section-Cleaning of side drain and bridges to avoid track circulate area.	
		CAPE-Augmentation of water supply scheme	194.20
5.	TPJ	TPJ - Junction laying Rain Water pipe line form ZRTI Training School Hostel - I, II, III, IV & V to ETP.	19.66
		Supply of drinking water to station premises and staff quarters at Tiruppathiripuliyur and Chidambaram stations for a period of one year.	18.43
6.	MDU	-	
7.	CE/CN/ERS	-	
8.	CE/CN/MS	RCC Overhead tank with GLR at TBM Coaching Terminal.	150.00
9.	MTP	-	
(b) Works costing less than ₹ 5 lakhs each			
1.	MAS	-	
2.	SA	Providing individual pipe line & PVC door to quarters No.39 & 40 block @ ONR.	3.10
		Providing individual pipe line & PVC tank to quarters No.21 block @ ONR.	2.07
		Providing individual pipe line & PVC door to quarters No.41 block @ ONR.	2.03
3.	PGT	VPZ - Repairs to water supply arrangements @ LC No.4.	0.75
4.	TVC	-	
5.	TPJ	-	
6.	MDU	-	
7.	CE/CN/ERS	-	
8.	CE/CN/MS	-	
9.	MTP	-	

18. WATER SUPPLY 2019-20**II. Works in Progress****a Works costing more than ₹ 5 lakhs each**

Sl. No.	Division	Name of Work	Estimate cost Rs. in lakhs.
1.	MAS	PF pipe line work	42.30
		JE/W/BBQ Rep pumping main from SICKLINE TNPM.	211.53
		ADEN/AJJ - Cleaning & Maint exg. Water lines & Water supply distribution.	50.67
		ADEN/AJJ-Cleaning & Maint exg. Water lines & water supply distribution	67.47
		AVADI car shed - Quick watering acility.	53.31
		Maintenance of water supply distribution system in ADEN//Bldg/ MAS.	40.50
2.	SA	ADEN/PTJ Sub Divn.-Maintenance of water supply arrangements in SSE/W/PTJ section for a period of two years.	68.32
		Salem-Proposed maintenance of water supply system for a period of two years in SSE/W/SA jurisdiction.	72.00
		ADEN/PTJ Sub division -Proposed water supply and sewage system maintenance at SSE/Works/ONR & P.Way/ONR section for a period of 2 years.	49.03
3	PGT	PGT-Rehabilitation of Chathurakulam pond near Hemambika Nagar colony.	27.89
		PGT - Repairs to corroded pipe line in officers colony and north colony.	59.41
		PGT - Replacing existing old leaky CI pipe line from ground level reservoir to Hemambika Nagar colony with ductile iron pipe.	20.49
		SRR - Out sourcing maintenance of water supply distribution system in SRR for a period of 24 months.	14.23
		MAQ - Proposed of water re-cycling plant, construction of OHT, pipelines etc.	87.24
		PGT - Improvements to water supply arrangements at CAN & MAQ.	157.45
4.	TVC	-	
5.	TPJ	SARCARPALAYAM-Replacement of cast iron pipe line (2001m) & Ponmalai - Replacement of steel tank by reinforced concrete cement tank.	249.43
		SARCARPALAYAM - Additional Collector Well to augment the water for summer requirements.	58.19
		Ponmalai - Provision of bore well construcion of GLR and over head tanks for Railway Hospital/ GOC and DSL shed / GOC.	194.59
		Construction of additional GLR of 5 lakhs litres capacity at TPJ Jn.	121.24

18. WATER SUPPLY 2019-20**II. Works in Progress****a Works costing more than ` 5 lakhs each**

Sl. No.	Division	Name of Work	Estimate cost Rs. in lakhs.
6.	MDU	SSE/W/KKDI - Supply of good drinking water to Paramakudi & Sathirakudi station for travelling public and staff quarters in tank mounted lorry for a period of two years.	11.06
		Supply of good drinking water to travelling public and staff.	3.01
		SSE/W/MDU - MDU Jn. - Supply poratable water in tank mounted lorry to Madurai station & Colony, Kudal Nagar and Madurai East stations for a period of one year.	68.25
7.	CE/CN/ERS	-	
8.	CE/CN/MS	RCC Overhead tank with GR at Tambaram Yard.	150.00
9.	MTP	-	
(b) Works costing less than ` 5 lakhs each			
1.	MAS	-	
2.	SA	-	
3.	PGT	-	
4.	TVC	-	
5.	TPJ	-	
6.	MDU	SSE/W/KKDI - Drinking water supply from PDKT Municipality to PDKT stationand Staff Quarters.	0.28
7.	CE/CN/ERS	-	
8.	CE/CN/MS	-	
9.	MTP	-	

25. ACTION TAKEN TO MAINTAIN CLEANLINESS AT STATION PREMISES.**Erstwhile A1, A & B Category stations : Medical & EnHM Departments—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 and 9 A1 & A Category stations by EnHM Department Cleanliness at remaining stations are managed by departmentally.

'C' Category stations: Commercial Department—75 Stations

Cleaning contracts exist at 1 station. (Moore Market Complex – Medical Dept).

Commercial Department :

Cleaning contracts exist at 31 stations. E-tenders are under process for 43 stations. Cleaning activity at 43 stations is being managed presently with imprest cash provided exclusively for this purpose.

Erstwhile 'D, E & F' category stations : Traffic 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/CNCs/CCIs concerned.

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 Circular 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 contained 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 26th November 2012, fines are being collected from those indulging in activities affecting the cleanliness and hygiene of railway premises. An amount of Rs. 6,72,885/- has been realized from 2711 cases during 2019-20.

Under "Swachh 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.

During 2019-20, 1,756 Special drives have been conducted. During the drive, public Awareness Campaigns have also been organised with the assistance of NGOs, Scouts and 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 for activities are also monitored through ISS/CCTVs at Important stations.

ACTION PLAN TO IMPROVE FUEL EFFICIENCY**General**

- During 2019-20 four DEMU rakes are introduced in place of ten conventional rakes i.e. five pair of trains.
- Monitoring of CTRs and shunting vouchers dispatch from crew booking Points to GM/ST for correct account of service wise performance and shunting.
- Precise allocation and account of fuel issues to different services e.g. Like Passenger, Goods, Department and shunting etc.
- Upgrading the fuel module in computer for correct account.

Action by Division

- Periodical checking of fuel installations for quality and accountability.
- Shutting down of diesel locos when detention is likely to be more than 30 minutes and this should be ensured by divisional Power Control.
- Identifying Loco Pilots consuming more fuel than normal and their intensive Monitoring by Loco Inspectors.
- 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.
- Rear loco multiple unit should be shut down when it is not required as per train load.

Action by Diesel sheds :

- Identifying locos of high SFC (during load box test) and taking immediate action to reduce the fuel consumption.
- Introduced the REMMLOT and APU in the locos to monitor the detentions in the enroute more than thirty minutes and to shut down the locos.

26. INPUT/OUTPUT RATIO

Particulars	2018-2019	2019-2020	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.	403.85	370.70	-8.21
(ii) Wagon holdings in terms of 8-wheelers.	8674	10,172	17.27
(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.	4,96,955	4,29,882	-13.50
(ii) NTKMs (in lakhs) on ownership basis as per train documents Goods & prop. of mixed.	2,93,278	2,53,353	-13.61
(iii) Average daily loading incl. Transshipment at BG, MG & NG (Revenue & Non-Revenue).	1,634	1,472	-9.91
Average daily loaded receipts.	1,142	1,069	-6.39
Total loading and loaded receipts.	2,776	2,541	-8.47
AVERAGE			
Wagon Kms. Per wagon day on line.	151.22	120.74	-20.16
BROAD GAUGE	0.00	0.00	0.00
METRE GAUGE			

Note.— indicates revision due to adoption of FOIS data as per Railway Board's Order..

VI. वाणिज्य/COMMERCIAL

I. Revision of Passenger Fares :

1. Fare structure of sleeper class coaches in Humsafar train :-

Based on the commercial Circular No. 43 of 2019 Dated 09th August 2019, the Advance Rates Notification for Rate Advice 8 of 2019 dated 24th September 2019 (Coaching No. 56/2019) has been issued. Ministry of Railways desire that the base fare of sleeper class coaches if attached in Humsafar train shall be 1.15 times of the base fare of sleeper class coaches of normal Mail/Express trains. Variable fare shall not be applicable in sleeper class of Humsafar train. Tatkal fare shall be as per normal tatkal Rule (Humsafar Base fare + normal tatkal charges). Tatkal quota shall be 20% of total accommodation.

2. Other charges like reservation fee, superfast surcharge etc., as applicable shall be levied separately. Catering charge shall be optional for meals. The advance reservation period (ARP) shall be 120 days.

3. Normal Child fare rules shall apply. No concessional tickets and tickets against free complimentary passes which are not reimbursed shall be admissible in this train.

4. Booking of tickets against Passes issued to Member of Parliaments and Rail travel coupons (RTCs) issued to MLA/MLCs shall be permissible as they are fully reimbursed.

5. The eligibility of Privilege pass/PTO for Railway employees shall be on par with eligibility in Duronto trains.

6. Defence warrants shall be eligible for exchange as per the actual fare.

7. Vacant berths left after first charting would be offered for current booking. Tickets under current booking shall be sold at the last price sold for that class with 10% discount on last price and other supplementary charges like reservation fee, superfast charges, etc., as applicable shall be levied in full.

8. Graded discount scheme shall not be applicable for sleeper class of Humsafar train.

9. Refund Rules : Normal cancellation and refund rule shall apply.

II. Rationalisation of flexi fare scheme in Rajdhani, Shatabdi and Duronto Trains.

Based on the Boards letter No. TC II/2910/2018 Flexi fare recommendation dated 11th November 2019, the Advance Rates Notification for Rate Advice 9 of 2019 dated 24th September 2019 (Coaching No. 56/19) has issued. Ministry of Railways have decided to extend the flexi fare scheme for another period of one year from 15th March 2020 to 15th March 2021. There shall be no change in other terms and conditions.

III. Rationalisation of tourist ticket fare in suburban services over all Indian.

Based on Commercial No. 62 of 2019 dated 02nd September 2019, the Advance Rates Notification for Rate Advice 9 of 2019 dated 24th September 2019 (Coaching No. 56/19) has issued. Ministry of Railways have now decided to rationalize tourist ticket fare in suburban services over all Indian Railways. Details of the same are as under.

(i) The revised fare for tourist tickets shall be as under :

Class	Validity	Revised Basi Fare
Second	1 day	50
	3rd days	94
	5 days	116
First	1 day	200
	3rd days	376
	5 days	464
AC EMU	1 day	260
	3rd days	490
	5 days	600

(ii) CIDCO surcharge shall not be applicable on tourist tickets. Other charges like MUDP, MRTS & MMTS on tourist tickets for both second and first class be levied at par with that applicable for season tickets for 11-50 km.

(iii) Child ticket : The basic fare of child tickets shall be half the basic fares rounded off to next higher multiple of Rs. 5/-, wherever required. Other charges shall be levied in full.

(iv) Validity : These tickets will be valid for (a) one day. (in case of 1 day tickets), (b) 3 days (in case of 3 day tickets) and 5 days (in case of 5 day tickets) to travel any number of times, from any station to any station on the suburban sections of all Indian Railways. These tickets will be valid upto mid-night of their date of validity. The date/dates and period of validity shall be mentioned on each ticket.

(v) Advance issue of tickets : these can be issued maximum 3 days in advance, excluding the first day of validity.

(vi) Concession : No concession shall be admissible to anyone on these tickets.

(vii) Refund : No refund shall be admissible on unused/partially used tourist tickets under any circumstances. However, tourist tickets booked in advance can be cancelled after deducting usual clerkage charges, as mentioned in the rule 213.4 of IRCA Coaching Tariff No. 25, Part I (vol. I). which at present is Rs. 30 for second class and Rs. 60 for First Class. Such Cancellation is permitted only before the first day of validity. Further the period of validity of these tickets cannot be increased under any circumstances.

2. These instructions shall be implemented w.e.f. 20th December 2019.

IV. Revision of Passenger Fares w.e.f. 01st January 2019.

Based on Commercial Circular No. 85 of 2019 dated 31st December 2019, the Advance Rates Notification for Rate Advice No. 1 of 2020 02nd January 2020 (Coaching No. 01 & 03/2020) has been issued. Ministry of Railways decided to revise the basic passenger fare as per revised passenger Fare Table published by IRCA effective from 01st January 2020. The detailed provisions of the fare increase are as under :-

Sl. No.	Class	Increase in Fare per Passenger Kilometer (PKM)
I	Suburban (Single Journey Fare)	No Change
II	Suburban Tickets (Suburban & Non - Suburban)	No Change
Ordinary Non - AC (Non - Suburban)		
III	Second Class Ordinary	01 Paise
IV	Sleeper Class Ordinary	01 Paise
V	First Class Ordinary	01 Paise
Mail / Express Non - AC		
VI	Second Class Mail / Express	02 Paise
VII	Sleeper Class Mail / Express	02 Paise
VIII	First Class Mail / Express	02 Paise
AC Classes		
IX	AC Chair Car	04 Paise
X	AC 3 - Tier / 3 E	04 Paise
XI	AC 2 - Tier	04 Paise
XII	AC First Class / EC / EA	04 Paise

2. Existing fares of trains services like Rajdhani, Shatabdi, Duronto, Vande Bharat, Tejas, Humsafar, Mahamana, Gatimaan, Antyodaya, Garib Rath, Jan Shatabdi, Rajya Rani, Yuva Express, Suvidha and Special trains on special charges, AC MEMU (non-suburban), AC DEMU (non-suburban) etc. shall similarly be revised to the extent of the above proposed increase in class-wise as per notified fare Table.

3. Other Charges : There shall be no change in charges for reservation fee, superfast surcharge etc. Such, charges, wherever applicable, shall continue to be levied additionally.

4. GST as applicable shall be levied, as per instructions issued from time to time.

5. Rounding off fares shall be done as per existing principle.

Fare table for all train services have been provided other than Humsafar, Antyodaya and Anubhuti Coach. The formula for charging fare for Humsafar, Antyodaya and Anubhuti coach shall be as under :-

Sl. No.	Train Type	Formula
1.	Humsafar	1, 15 times of Mail/Express
2.	Antyodaya	1, 15 times of Mail/Express
3.	Anubhuti coach	1, 2 times of exclusive class of Shatabdi train, if attached in Gatimaan train/Tejas train then fare of EC class applicable for Gatimaan train/Tejas train shall be applicable.

V. Revised fare structure for Nilgiri Mountain Railway (Regular Trains)

With effect from 01st March 2020, the fares on Nilgiri Mountain Railway from Mettupalayam to Udagamandalam has been revised vide Advance Rates Notification for Rate Advise 02 of 2020 dated 28th February 2020 (Coaching No. 11/20)

Fairs and Meals :

Withdrawal of Mela surcharge : With effect from 11th December 2018, levy of mela surcharge has been withdrawn by Board.

2. Concession in fares : Nil

5. Dynamic Pricing policy :

Dynamic pricing refers to tariff measures for management of seasonal 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 are in force for the financial year 2019-2020.

Busy Season surcharge :

Busy season surcharge at the rates mentioned in the table below has been levied from 1st October 2019 and will remain in force till further advice as per Board's letter No. TCR/1078/2015/14 dated 12th September 2019.

S.No.	Commodities	Rates
1	Iron Ore, POL Traffic	15%
2	All commodities	Nil
3	Container traffic	Nil
4	Automobile traffic moved in NMG, BCACM, BCCNR & BCACBM wagons	Nil

Development surcharge :

With effect from 01.7.2007 the levy of 2% Development surcharge on all goods Traffic has been imposed on NTR by Board and the same has been revised to 5% w.e.f. 15.10.2011 which continues to remain in force until further advice.

Congestion surcharge :

The 20% congestion surcharge on freight charges mentioned in the table below has been levied w.e.f. 01.4.2011. Now the congestion charges for the traffic booked to Bangladesh only has been enhanced from 20% to 25% w.e.f. 19.7.2015 and will remain in force until further advice.

Sl. No.	Commodities	Rate of congestion surcharge	Enhanced rate w.e.f. 19.7.2015
1	All traffic to Bangladesh (except Stone Traffic from E.Rly)	20%	25%
2	All traffic to Pakistan	20%	No change

Automobile Traffic :

The Rates of Automobile Traffic carried on NMG/BCCNR wagons were revised with effect from 01.06.2018 to 30.11.2018. There is no change in the Rates of BCACM wagons. The Rates notified w.e.f. 01-06-2018 to 30-11-2018 has been extended upto 30-11-2019.

Classification of Commodities:

- (1) With effect from 10.05.2019, the Commodity "**Wollastonite**" has been calasified as Class 150 (Train load) with Packing Condition P2(2) under RR Risk Rate.
- (2) With effect from 20.08.2019, the Commodity "**Poly Propylene**" has been calasified as Class 110 (Train load) with Packing Condition P1 under Owners Risk Rate.
- (3) With effect from 01.10.2018, the Commodity "**Washery Reject**" and **Coal Mill Reject** has been calasified as Class 145A (Train load) with Packing Condition P2 under Owners Risk Rate. The Wagon load Class for the Commodity is 145B.
- (4) With effect from 22.11.2019, the Commodity "**Agricultural Waste or Crop Residue**" (Parali, Stubble etc.,) has been calasified as Class LR3 (Train load) with Packing Condition P2(a) under RR Rate.
- (5) With effect from 02.01.2020, the Commodity Zinc Concentrate/Lead Concentrate has been calasified as Class 160 (Train load) with Packing Condition P2 (a) under RR Risk Rate.
- (6) With effect from 13.03.2020, the Commodity "**Glass Scrap**" has been calasified as Class 120 (Train load) with Packing Condition P2(a) under Owners Risk Rate.

Wagon Registration fee:

Wagon Registration fee to be deposited at the time of registration for indents of different type of wagons effect from 20.5.2014 are as under, which continues to remain in force until further advice.

Guage	Per wagon	Per rake
BG	Rs.1500	Rs.50,000/-
MG	Rs.1500	Rs.50,000/-
NG	Rs.1500	Rs.1500 X No. of wagons in a rake.

7. The Scheme was not in force in 2019-20**8. Schemes :-Introduction of Freight intentive.**

- a. **Liberalized Automatic Freight Rebate Scheme for traffic loaded in Traditional Empty Flow Directions (TEFD).**
- b. **Incentive Scheme for Freight Forwarders.**
- c. **Incentive Scheme for Loading Bagged Cosignment in Open and Flat Wagons.**
- d. **Introduction of Station-to-Station Rate Scheme.**

Introduction of Freight Incentive Schemes :**(a) Liberalized Automatic Freight Rebate Scheme for traffic loaded in Traditional Empty Flow Directions. (TEFD).**

Board with the objective to reduce the Empty Running Ratio on IR and to garner additional revenue by a suitable pricing mechanism based on the discount in the TEFD, whereby automatic rebate from the computerized FOIS system will become available to customers offering traffic in inter-zonal/intra-zonal traditional empty flow direction. This scheme introduced with effect from 1.1.2017 and valid upto 31.03.2021.

(b) Incentive Scheme for Freight Forwarders.

The revamped scheme introduced from 25.6.2015 aims to facilitate cargo aggregation and thereby expand the commodity basket on Railways and valid upto 31.03.2021.

(c) Incentive Scheme for Loading Bagged Consignment in Open and Flat Wagons.

Board with the objective to garmed additional volume of traffic and revenue by granting incentive to customers for loading of bagged consignment in open and flat wagons introduced the scheme with effect from 24.10.2016 and valid upto 31.03.2022.

(d) Introduction of Station to Station Rate

Station-to-Station rate scheme introduced from 29.09.2016 to attract road born traffic to rail/to retain exiting traffic. On account of this 16 thousands tonnes moved fetching revenue of Rs. 1.94 crores under the Scheme.

10-A CLAIMS REGISTRATION :

Year	Parcels	Goods	Total
2019-20	59	225	284
2018-19	90	223	313

10-B Claims Performance :

Details	2019-20	2018-19
Opening Balance	30	60
Registration	284	313
Re-opened	21	28
Total	335	401
No.of cases paid	20	26
No.of cases repudiated	266	345
Total disposal	286	371
Closing Balance	49	30
Amount paid (Excl.Court cases) (Rs. in lakhs)	1.94	3.07
Amount paid in court cases (Rs. in lakhs)	0.38	20.38
Total amount paid (Rs. in lakhs)	2.32	23.45
Average time for disposal	67 days	73 days

10-C CAUSEWISE ANALYSIS OF CLAIMS PAID

Claims paid On account of	Year	Number	Amount Rs. in lakhs.
Loss Other than theft	2018-19	22	0.62
	2019-20	19	1.14
Theft of complete packages	2018-19	—	—
	2019-20	—	—
Pilferages	2018-19	—	—
	2019-20	—	—
Damage	2018-19	4	2.45
	2019-20	1	1.22
Delay in transit	2018-19	—	—
	2019-20	—	—
Breakage	2018-19	—	—
	2019-20	—	—
Leakage	2018-19	—	—
	2019-20	—	—
Others	2018-19	—	—
	2019-20	—	—
Total	2018-19	26	3.07
	2019-20	20	1.94

10. (d) COMMODITY WISE ANALYSIS OF CLAIM PAID

Claims paid on Account of	Year	Number of cases	Amount Rs. in lakhs)
(a) Grains & Pulses ..	2018-19	0	—
	2019-20	0	0.72 (govt.account)
(b) Iron & Steel ..	2018-19	0	0
	2019-20	0	0
(c) Cotton piece goods ..	2018-19	5	0.22
	2019-20	1	0.02
(d) Chemicals & Manure ..	2018-19	3	2.43
	2019-20	0	0
(e) Coal & Coke ..	2018-19	0	0
	2019-20	0	0
(f) Tea ..	2018-19	1	0.01
	2019-20	0	0
(g) P. O. L. ..	2018-19	0	0
	2019-20	0	0
(h) Perishable ..	2018-19	1	0.02
	2019-20	1	0.01
(i) Others ..	2018-19	16	0.40
	2019-20	18	1.19
Total ..	2018-19	26	3.08
	2019-20	20	1.94

10 (e) COURT CASES DISPOSAL (EXCLUDING ACCIDENT CASES)

Details	2018-19	2019-20	% Variation
Opening Balance ..	276	294	-7%
Registration ..	56	49	-13%
Transferred cases ..	..	..	..
Total ..	332	343	3%
Settled out of court ..	..	..	..
Decreed ..	15	40	167%
Dismissed ..	06	15	150%
Others ..	17	..	-100%
Total ..	38	55	45%
Closing Balance ..	294	288	-2%

10. (f) COURT CASES TREND (BENCHWISE, EXCLUDING ACCIDENT CASES) DURING 2019-20 CDRF & Claims

RCT	Opening Balance	Regist- ration	Total	Disposal	Closing Balance
RCT/MAS	02	..	02	02	..
RCT/ERS	02	..	02	01	01
Other Railway RCT Cases	31	..	31	..	31
Civil Suits	..	..	..	..	-
Consumer Forum cases	239	49	288	52	236
Appeal cases in High Courts & Supreme Court	20	..	20	..	20
Total	294	49	343	55	288

10 (g) ACCIDENT CASES (SECTION 124) DURING THE YEAR 2019-20

RCT	Opening Balance	Regist- ration	Total	Disposal	Closing Balance
RCT/MAS	..	..	..	..	..
RCT/ERS	01	..	01	01	..
Other Railways RCT Cases	..	..	..	..	..
Appeal cases in High Courts	04	..	04	02	02
Total	05	..	05	03	02

10. (H) ACCIDENT CASES (SECTION 124-A) DURING THE YEAR 2019-20

RCT	Opening Balance	Regist- ration	Total	Disposal	Closing Balance
RCT/MAS	195	162	357	212	145
RCT/ERS	41	53	94	39	55
Other Railways RCT Cases	61	22	83	20	63
Appeal cases in High Courts	261	58	319	65	254
Total	558	295	853	336	517

10 (I) P. S. Us(Government Cases 2019-20)

RCT's	Opening Balance	Registration	Total	Disposal	Closing Balance
RCT/MAS	..	..	..	..	..
RCT/ERS	..	..	..	..	..
Other Railways RCT Cases	05	..	05	05	..
Appeal cases in High Courts & S/C	03	..	03	02	01
Total	08	..	08	07	01

10 (J) CAUSE -WISE AND COMMODITY WISE ANALYSIS OF CLAIMS PAID IN COURT DURING 2019-20

Cause	Commodity	Amount in Rs.
Short Delivery	24 Cartons of Brass Pipe Fittings	38,500

11. CLAIMS PREVENTION – PREVENTIVE MEASURES**11. (a) N.R. CELL**

During 2019-20 total of 143 wagon load consignments were disposed off by the NR Cell averting claims to the tune of Rs.1,710.00 lakhs. 533 parcel consignments were also disposed off during the same period saving an amount of Rs. 64.50 lakhs.

The performance of NR Cell during the year 2019-20 compared to the corresponding period of the previous year is furnished below:-

Details	Wagon Loads		Parcels	
	2019-20	2018-19	2019-20	2018-19
Opening Balance	17	23	7	10
Registration	141	147	540	432
Total	158	170	547	442
Disposal	143	153	533	435
Closing Balance	15	17	14	07
Amount saved (Rs. in lakhs)	1,710	1,880	64.50	49.27

11 (b) C. P. Checks :

During the year 2019-20, Commercial Officer/ Headquarters, Divisions and Inspectors have conducted 951 claim prevention Checks of Major Stations, Parcel Offices and Goods Sheds over Southern Railway. In addition 90 On Board Amenity and Catering checks, Night safety and Footplate Inspections and Cleanliness drive were also conducted at Stations and in several trains.

12. LOST PROPERTY OFFICE**12. (a) Position of unconnected/undelivered parcels :**

Details	2019-20	2018-19
Opening Balance	288	457
Registration	627	590
Total	915	1047
Disposal	658	759
Closing Balance	257	288

12. (b) Auction at lost property offices – 2019-20

LPO	Opening Balance	Registration	No. of Auctions conducted	No. of items disposed through Auction	Amount realised ₹
MAS	141	359	11	364	12,69,699
ED	6	20	03	19	30,264
CBE	..	50	05	49	42,274
CLT	35	104	05	91	2,65,322
ERS	2	31	02	27	27,641
TVC	22	26	03	24	40,299
QLN	06	---	---	---	---
MDU	48	30	02	69	78,034
TPJ	28	7	01	15	40,436
Total	288	627	32	658	17,93,969

13. REFUND ON PASSENGERS AND OTHER COACHING (Parcel) TRAFFIC.

During the year 2019-20, a total number of 72,397 cases have been registered over Southern Railway and 70,028 cases have been disposed off. As compared to corresponding period of the previous year 2018-19, there is a increase of 21.4% in the cumulative receipt and increase of 22.7% in cumulative disposal. The number of pending Coaching Refund cases over Southern Railway at the end of March 2020 is 2369 cases.

Comparative details of Refund claim dealt within the Refund Offices over Southern Railway during the year 2018-19 and 2019-20 is under :

113. TABULATED STATEMENT SHOWING THE COMPARATIVE DETAILS OF REFUND CLAIMS DEAL WITH IN THE REFUND OFFICES OVER SOUTHERN RAILWAY (FOR THE YEAR 2018-19 & 2019-20)

[illegible]

13. REFUNDS ON GOODS TRAFFIC

Sl. No.	Description	April-March	
		2018-19	2019-20
01	Number of cases carried forward from previous year	304	188
02	Number of cases received/re-opened during year	7	206
03	Number of cases disposed off during the year	123	221
04	Number of cases on hand at the end of the year and carried forward to next year	188	173
05	Number of cases outstanding for over 6 months	182	120
06	Number of cases outstanding for below 6 months	6	53

Registration of refund claims during April 2019 to March 2020 is 206 as against 7 during April 2018 to March 2019.

The number of refund cases pending at the end of March 2020 is 173 as against 1881 at the end of March 2019.

The number of cases pending over 6 months is 120 at the end of March 2020 as against 182 at the end of March 2019.

The number of cases pending below 6 months is 53 at the end of March 2020 as against 6 at the end of March 2019.

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 more than 6 months cases to bring down the outstanding pending cases.

14. The comparative statistics of ticketsless travel are given below :—

Year	Number of cases (in figures)			Amount Realised (in Rs.)		
	Without ticket	Irregular ticket	Total	Without ticket	Irregular ticket	Total
2018-19	6,51,008	7,24,807	13,75,815	26,14,88,409	30,87,06,497	57,01,94,906
2019-20	6,84,925	9,87,007	16,72,932	8,48,27,219	42,96,08,981	71,44,36,200

15. The details of Ticket checking performance for the year 2019-20 :

The cases of Wilthout/Irregular travel/Unbooked Luggage detected, excess charges recovered and cases dealt with the court during 2019-20 are as under :—

1.	No. of passengers found travelling without ticket	6,84,925
2.	No. of passengers found travelling with irregular ticket	9,87,007
3.	No. of cases Unbooked luggage	65,223
4.	Total No. of cases from (1), (2) and (3)	17,37,155
5.	Total Penalty Earnings from (1), (2) and (3)	73,30,18,067
6.	Gross Ticket Checking Earnings including Non-Penalty Earnings	1,11,82,76,871
7.	No. of passengers prosecuted	6,773
8.	No. of passengers imprisoned	0
9.	No. of passengers fined	6,773
10.	No. of passengers let off	0
11.	Amount of Judicial Fine realised	23,35,434
12.	No. of Mendicants ejected	8,605
13.	Total cost incurred on Ticket Checking Staff	2,08,90,02,840

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 introduction of GST has made movement of Goods by Road easier which 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 liaises with importers/ Exporters and port management for capturing additional/ new traffic wherever possible. Primary advantage 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.	Commodity				2019-20	
					Tonnage in 000's	Earnings (Rs. In Crores)
1	Fertilizer	..	..	..	939	93.61
2	Gypsum	..	..	..	283	23.14
3	Bauxite	..	..	..	24	2.83
4	Coke	..	..	..	4	0.68
5	Coal	..	..	..	9358	514.77
6	Dolomite	..	..	..	260	22.24
7	Limestone	..	..	..	383	30.04
8	Iron & steel	..	..	..	2	0.17
9	Iron ore	..	..	..	328	25.24
10	Pyroxene	..	..	..	11	0.72
11	Container	..	..	..	78	5.19

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

Tonnes Earnings

Type of traffic	in 000's		(Rs. In crores)	
	2018-19	2019-20	2018-19	2019-20
a. High Rated Traffic	256	167	23.23	9.37
b. Programmed Traffic	29386	27302	2400.46	2170.03
c. Low Rated Traffic	2978	2382	348.02	170.11
d. Other revenue Traffic	3138	1906	328.38	204.84

3. The originating goods loading over Southern Railway during 2019-20 was 31.757 million tonnes as against 35.757 million tonnes during 2018-19. Similarly, the originating goods revenue during 2019-20 was Rs.2,641.08 crores as against Rs. 3,165.40 crores (including the advance freight of Rs.106.16 crores for container traffic) during 2018-19.

4. Increase in Loading of commodities :

There was considerable increase in loading under the following commodities in 2019-20 compared to 2018-19.

Sl. No.	Commodity	2018-19 Tonnes	2017-18 Earnings in lakhs	2019-20 Tonnes	2019-20 Revenue in lakhs
1	Fertilizers	32,30,681	303.80	35,86,382	428.66
2	POL	38,43,738	416.13	73,73,505	442.96

5. Automobile traffic:

As a result of continuous liaison and effective marketing contacts with Automobile Traders, Southern Railway has moved 402 rakes with total revenue of Rs.83.90 crores during 2018-19.

6. Parcel

The originating parcel loading during 2019-20 was 2.96 lakhs of tonnes with earnings of Rs.119.99 crores as against 3.44 lakhs of tonnes earnings of Rs.138.99 crores during 2018-19.

Under SLR and round trip VPH leasing scheme, Southern Railway had earned Rs.38.37 crores during the year 2019-20 as against Rs. 41.09 crores during the year 2018-19.

VII. यांत्रिक इंजीनियरी/MECHANICAL ENGINEERING

1. Stock on Line

The particulars of Rolling Stock on line owned at the end of March 2020 as compared to the previous year :—

(a) Coaching Stock

As on 31st March 2020	Broad Gauge				Metre Gauge (NMR)			
	Passenger Coaching Vehicles	OtherCoaching Vehicles	Departmental Coaching Vehicles	Total	Passenger Coaching Vehicles	OtherCoaching Vehicles	Departmental Coaching Vehicles	Total
Previous year 2018–2019	6600	311	128	7039	28	4	—	32
Current year 2019–2020	6780	297	124	7201	35	4	—	39

(b & c) Steam Loco and DEMU Stock

(d & e) Wagon Stock

Meter Gauge		Broad Gauge		As on 31st March 2020	Travelling Cranes							
As on 31st March 2020	(NMR) Steam Locos	DPC	DTCs/TCs		Wagon	in units	Broad Gauge			Meter Gauge		
					B.G.	M.G.	Steam	Diesel	Hand	Steam	Diesel	Hand
Previous year 2018–2019	8	33	100	Previous year 2018–2019	9266	–	–	6	–	–	–	–
Current year 2019–2020	8	33	100	Current year 2019–2020	9535	–	–	6	–	–	–	–

2. Additions/Renewal

Particulars				BROAD GAUGE		METRE GAUGE	
				Additions	Replacement	Additions	Replacement
Steam Loco	..	..	..	..	..	..	..
Steam	..	..	..	..	..	..	..
Diesel	..	..	..	..	..	..	..
Electric	..	..	..	..	..	..	..
Coaches	..	..	..	580	..	7	..
Transferred from other Railways to SR	..	..	..	45	..	..	..
Transferred from SR to other Railways	..	..	..	269	..	..	..
Wagons	..	..	..	555	..	..	..

3 Steam Locomotives Online with their Tractive efforts

(a) Steam Locos

As on 31st March 2020	Broad Gauge		Metre Gauge	
	No.	Total Tractive Efforts (Kgs.)	No.	Total Tractive Efforts (Kgs.)
Previous Year 2018-2019	..	..	8	97,432
Current Year 2019-2020	..	..	8	97,432

(b) DEMU/Diesel Power Car

As on 31st March 2020	Number of DPC	Tractive Effort (in Kgs.) Continuous	Total Tractive Effort (in Kgs.)
Previous Year 2018-2019	10	11900	119000
	23	15400	354200
Total	33	27300	473200
Current Year 2019-2020	10	11900	119000
	23	15400	354200
Total	33	27300	473200

5. Goods Vehicles and carrying capacity

As on 31st March current year 2019-20	Public Traffic Wagons				Special wagons including Brake Vans No. in units	Depot. Railway Service wagons (No. in units)	Total Goods vehicles (No. in units)
	Covered Wagons		Open Wagons				
	No. in units	Capacity in tonnes	No. in units	Capacity in tonnes			
Broad Gauge	5156	216351	3147	267245	582	650	9535
Metre Gauge (N. M. Railway)	..	..	..	..	..	..	..

7. Travelling Cranes

As on 31st March 2020	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 2018-19	..	..	6	140T X 6	..	..
Broad Gauge Current year 2019-20	..	..	6	140T X 6	..	..
Metre Gauge Previous year 2018-19.	..	..	..	..	..	..
Metre Gauge Current year 2019-20.	..	..	..	..	..	..

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	
	2018-2019		2019-2020		2018-2019		2019-2020	
	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	..	..	..	..	8	100.00	8	100.00
Total	..	..	..	..	8	100.00	8	100.00

4. Coaches Vehicles and seating capacity (Except EMU/MEMU)

As on 31st March current year 2019-20	Pass. Coaches (No. in units)	Other Coaching Vehicle (No. in units)	Total Seats/berths			
			Air condition	I Class	II Class Berths	Seats
Broad Gauge	6,780	297	..	..	243386	487360
MG (N. M. Railway)	37	2	..	242	..	1246

6. Diesel Rail Cars : Nil

8(b) Passenger Coaches

Age Group Years	Broad Gauge				Metre Gauge			
	Previous Financial Year 2018-19		Current Financial Year 2019-20		Previous Financial Year 2018-19		Current Financial Year 2019-20	
	No.	%	No.	%	No.	%	No.	%
1 to 5	1289	19.85	1867	27.30	7	21.5	14	35.5
6 to 10	1694	26.07	1672	24.46	..	..	..	..
11 to 15	1224	18.85	1199	17.53	1	3.0	1	2.5
16 to 20	1101	16.95	1084	15.86	..	..	..	..
21 to 25	1135	17.47	1006	14.72	24	75.5	24	62.0
Total	6443	100.00	6828	100.00	32	100.00	39	100.00

8(c) Wagons

General Services

Age Group Year	Broad Gauge				Metre Gauge			
	Previous Financial Year 2018-2019		Current Financial Year 2019-2020		Previous Financial Year 2018-2019		Current Financial Year 2019-2020	
	No.	%	No.	%	No.	%	No.	%
1 to 5	768	8.36	1280	13.42	—	—	—	—
6 to 10	193	2.10	176	1.85	—	—	—	—
11 to 15	607	6.61	663	6.95	—	—	—	—
16 to 20	3110	33.88	1704	17.88	—	—	—	—
21 to 25	2358	25.69	3747	39.30	—	—	—	—
26 to 30	2121	23.10	1640	17.20	—	—	—	—
31 to 35	24	0.26	325	3.40	—	—	—	—
Total	9181	100.00	9535	100.00	—	—	—	—

9. Rolling Stock on line

(a) Overaged Steam Locomotives on line as on 31st March 2020

Type of Stock	BROAD GAUGE						Per- centage of over- aged to total	Stock condemned in current financial year			METRE GAUGE						Stock condemned in current financial year			
	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	Per- centage 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	100	..	..	..
Mixed Goods	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Light Goods and Miscellaneous	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	..	..	..	4	4	8	4	4	8	100	..	..	..

(b) Number of locomotives put off and new locomotives put on line during the year 2019–2020.

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	..	6	(&)	..	..	..
2.	No. of locomotives placed on line	..	..	(&)	..	..	..
3.	No. of locomotives permanently transferred from other Railway.	..	..	(&)	..	..	..
4.	No. of locomotives permanently transferred to other Railway.	..	..	(&)	..	..	..

& To be furnished by Electrical Branch

(c) Overaged Coaching Stock on line as on 31st March 2020 —Broad Gauge – Coaches

Sl. No.	Particulars	Total stock owned			Stock Over Aged			Percentage of overaged to total Stock on line	Stock condemned during the current financial year 2019-2020		
		Non-Replaced	Replaced	Total	Non-Replaced	Replaced	Total		Non-Replaced	Replaced	Total
1.	Air-conditioned class	1636	0	1636	12	0	12	0.16	31	0	31
2.	Upper Class (First)	0	0	0	0	0	0	0.00	0	0	0
3.	Composite Class	0	0	0	0	0	0	0.00	0	0	0
4.	Lower Class (Second).	5144	0	5144	55	0	55	0.76	183	0	183
5.	Tourist Car Inspection. Carriage and Dining Cars.	94	0	94	0	0	0	0.00	6	0	6
6.	All other coaching Vehicles excluding these under item 5. & PPS.	327	0	327	9	0	9	0.12	17	0	17
Total		7201	0	7201	76	0	76	1.04	237	0	237

Trailer Coaches DMU., DTC & TC Coaches

Diesel Power Coaches DPC	33	0	33
Driving Trailer Coaches DTC	6	0	6
Trailer Coaches TC	94	0	94
Total	..	133	133

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 2019-20		
	Non-Replaced	Replaced	Total	Non-Replaced	Replaced	Total		Non-Replaced	Replaced	Total
1. Air-conditioned Class.	0	0	0	0	0	0	0.00	0	0	0
2. Upper Class (First)	5	0	5	1	0	1	2.56	0	0	0
3. Composite Class	5	0	5	5	0	5	12.82	0	0	0
4. Lower Class (Second)	26	0	26	9	0	9	23.07	0	0	0
5. Tourist Car Inspection Carriage and Dining Cars.	1	0	1	0	0	0	0.00	0	0	0
6. All other coaching Vehicles excluding these under item. 5 & PPS	2	0	2	0	0	0	0	0	0	0
Total ..	39	0	39	15	0	15	38.45	0	0	0

(d) Overaged wagon stock on line as on 31st March 2020 (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 2019-20		
		Non-Replaced	Replaced	Total	Non-Replaced	Replaced	Total		Non-Replaced	Replaced	Total
1.	Covered	4862	0	4862	0	0	0	0.00	10	0	10
2.	Open	3147	0	3147	10	0	10	0.11	190	0	190
3.	Brake-vans	244	0	244	6	0	6	0.07	3	0	3
4.	Tank Wagons	294	0	294	0	0	..	0.00	0	0	0
5.	Special Stock	338	0	338	0	0	0	0.00	1	0	1
6.	Railway Service Wagons.	650	0	650	0	0	0	0.00	3	0	3
	Total ..	9535	0	9535	16	0	16	0.17	207	0	207

Particulars	BROAD GAUGE		METRE GAUGE	
	Coaches	Wagons	Coaches	Wagons
Number put off the line during the year 2018-2019.	493	480	4	0
Number put on line during the year 2019-2020.	580	555	7	0

f. Engine Failures :

Year	Total No. of Engine failure	Average KM per engine failure (in lakhs)	Failure under various service			Engine KM/Engine failure under various service (in lakhs)		
			Pass	Mixed	Goods	Pass	Mixed	Goods
Broad Gauge 2018-19	98	4.31	56	-	42	5.19	-	3.14
2019-20	123	7.71	72	-	51	8.60	-	6.46

g. Shed wise Yearly Outage 2018-19 BG (Service Base Outage)

(Service base outage)

Month and year	Target					Actual				
	ELS/AJJ	ELS/ED	ESL/RPM	DLS/ED	TOTAL	ELS/AJJ	ELS/ED	ESL/RPM	DLS/ED	TOTAL
Apr-19	147.73	172.29	86.77	19.44	426.33	155.54	182.46	85.37	18.84	442.21
May-19	146.82	172.29	88.00	19.44	426.55	155.83	182.46	85.77	18.12	442.18
Jun-19	147.47	172.43	86.33	19.44	425.67	158.12	183.72	83.70	19.52	445.06
Jul-19	150.44	171.67	84.26	19.44	425.81	161.59	181.12	82.00	19.08	443.79
Aug-19	150.15	173.18	87.16	20.38	430.87	161.6	182.44	84.71	19.04	447.79
Sep-19	149.93	175.02	87.87	22.68	435.50	157.06	183.64	85.50	22.46	448.66
Oct-19	149.35	177.6	93.29	22.68	442.92	159.06	186.71	90.68	23.42	459.87
Nov-19	149.95	178.43	95.00	22.68	446.06	159.52	187.47	92.03	21.70	460.72
Dec-19	149.95	178.43	95.00	22.68	446.06	159.08	191.2	92.65	23.49	466.42
Jan-20	146.31	171.21	95.29	35.32	448.13	155.76	182.28	93.23	37.03	468.30
Feb-20	146.31	178.35	97.00	35.32	456.98	156.92	187.52	94.24	36.27	474.95
Mar-20	149.46	181.00	97.00	35.32	462.78	158.92	192.19	96.03	36.39	483.53
Total	..	..	..	..	..	..	..	..	..	..
Average	148.66	175.16	91.08	24.57	439.46	158.25	185.27	88.83	24.61	456.96

10 (a) Diesel Locomotives under Repairs

Details/Year	Average No. on line		Average under repairs		In Mechanical Workshops		Stabled in sheds awaiting shop repairs		In Shed and Transportation workshops		In Transit	
	—		No	%	No	%	No	%	No	%	No	%

B.G. 2018-2019

Diesel Electric	337.25	25.74	7.63	3.05	0.90	-	-	22.69	6.72	-	-
Diesel Hydraulic	0	0	0	0	0	-	-	0	0	-	-
Total	337.25	25.74	7.63	3.05	0.90	-	-	22.69	6.72	-	-

M.G. 2018-2019

Diesel Electric	5.00	0.13	2.60	1.20	24.00	-	-	0	0	-	-
Diesel Hydraulic	-	-	-	-	-	-	-	-	-	-	-
Total	5.00	0.13	2.60	1.20	24.00	-	-	0	0	-	-

B.G. 2019-2020

Diesel Electric	327.42	25.40	7.77	5.64	1.70	-	-	19.76	6.03	-	-
Diesel Hydraulic	0	0	0	0	0	-	-	-	-	-	-
Total	327.42	25.40	7.77	5.64	1.70	-	-	19.76	6.03	-	-

M.G. 2018-2019

Diesel Electric	5.00	0	0	0	0	-	-	0	0	-	-
Diesel Hydraulic	-	-	-	-	-	-	-	-	-	-	-
Total	5.00	0	0	0	0	-	-	0	0	-	-

10 (b) Diesel Locomotives turned out after repairs from Workshops

Gauge	Activity	2018-19					2019-20				
		POH	IOH	BG Conversion	Special Repair	Special Repairs M 24	POH	IOH	BG Conversion	Special Repair	Special Repairs M 24
BG	FOREIGN	81	1	-	1	-	65	-	-	3	-
	HOME	22	-	-	10	-	29	3	-	8	-
	PSU	22	-	-	-	-	42	-	-	-	-
	BITES	-	-	-	-	-	-	-	-	-	-
	IRCON	-	-	-	-	-	-	-	-	-	-
	TOTAL	125	1	-	11	-	118	3	-	11	-
MG	HOME	-	-	-	-	-	-	-	-	-	-

POH – Periodical Overhauling, IOH– Intermediate Overhauling

10 (c) Locomotives Overdue repairs : NIL**10 (d) Diesel Locomotives (Service Base Outage – Passenger and Goods) 2019-2020**

Month and Year	Target					Actual				
	ED	GOC	ERS	TNP	Total	ED	GOC	ERS	TNP	Total
Apr-19	83.61	106.89	43.90	15.00	249.40	90.19	107.13	43.33	15.59	256.24
May-19	83.48	107.02	43.90	15.00	249.40	88.11	107.94	42.24	16.12	254.41
Jun-19	82.80	106.80	41.60	15.00	246.20	85.40	106.35	42.50	16.73	250.98
Jul-19	80.10	106.80	40.70	15.00	242.60	85.14	109.89	41.70	16.84	253.57
Aug-19	83.70	103.10	40.80	15.00	242.60	89.75	104.09	40.31	16.70	250.85
Sep-19	82.80	103.20	39.20	15.00	240.20	88.30	107.76	40.84	15.99	252.89
Oct-19	82.80	103.200	39.20	15.00	240.20	90.28	108.45	39.42	16.49	254.64
Nov-19	63.20	96.80	35.00	18.00	213.00	74.14	105.68	31.03	17.03	227.88
Dec-19	66.80	97.20	35.20	14.00	213.00	76.33	97.09	32.01	13.95	219.38
Jan-20	62.40	89.70	44.00	14.00	210.10	67.80	93.04	42.45	15.59	218.88
Feb-20	62.50	89.60	44.00	14.00	210.10	63.75	90.91	45.79	14.58	215.03
Mar-20	9.70	0.00	24.90	0.00	34.60	19.04	15.22	34.47	4.99	73.72
Total	843.89	1110.31	472.20	165.00	2591.40	918.23	1153.55	476.09	180.60	2728.47
Avg.	70.32	92.53	39.35	13.75	215.95	76.52	96.13	39.67	15.05	227.37

VIII. बिजली इंजीनियरी/ELECTRICAL ENGINEERING

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

The following are the figures pertaining to the years 2018-19 and 2019-20.

(in Million units)

Energy Purchase from State Electricity Board in million Unit	Purchase		Total	
	2018-19	2019-20	2018-19	2019-20
(a) General Service				
(i)Tamil Nadu ..	86.443	84.478	..	..
(ii)Andhra Pradesh ..	0.658	0.696	..	..
(iii)Karnataka ..	1.709	1.801	102.234	100.691
(iv)Kerala ..	13.424	13.416	..	..
(b) Traction Services				
(i)Tamil Nadu ..	880.25	925.70	..	..
(ii)Andhra Pradesh ..	82.56	302.21	..	..
(iii)Karnataka ..	..	..	1266.23	1305.830
iv)Kerala ..	303.41	74.39	..	..
Total	..	..	1368.464	1406.521

2. Unit Cost of Generation and Purchases (Rs. in crores))

a. For Generated Energy :	There is no generating Stations on this Railway		
b. Purchase of Energy Particulars	Units	2018-19	2019-20
(i) Energy Purchase	In Million kWh	1368.464	1406.521
(ii) Total Cost	(₹ in Crores)	1061.188	1084.039
(iii) Average rate per kWh		7.75	7.71

3. Energy and Amount particulars of traction and non-traction :

(amount in Rs. Crores)

Description	Year	
	2018-19	2019-20
Traction consumption in Million units	1266.23	1305.830
Non-Traction consumption in Million units	102.234	100.691
Total in million units	1368.464	1406.521
Traction amount paid Rs. in crores	979.513	1002.990
Non-Traction amount paid Rs. in crores	81.675	81.049
Total in crores	1061.188	1084.039
Traction average rate Rs./kWh	7.73	7.68
Non-Traction average rate Rs./kWh	7.99	8.05
Total average	7.75	7.71

4. Analysis of total electrical energy consumed for various services in terms of percentage of the total energy purchase 2019-20

Energy Consumed		Percentage
a. Major workshops (11.077 Million Units)	..	0.788
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 (9.966 mu)	..	0.709
(ii) Service Buildings (48.737 mu)	..	3.465
(iii) Yard lighting (1.983 mu)	..	0.140
(iv) Hospital (5.333 mu)	..	0.379
c. Staff quarters and staff welfare buildings, (23.595 mu).	..	1.678
Traction Services (1305.830 Million Units)	..	92.841

5. Generating and Purchasing Stations as on 31st March 2020.

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 2020	218	32990	88	3469

6. Electrical Traction Distribution (2019-20)

		Upto 31st March 2019	Upto 31st March 2020
1. Total Route km. Electrified	..	3,223	3,419
2. Total Track km. Electrified	..	7,161	7,459

7. Railway Electrification Project

a. CRS Inspection details of TRD assets 2019-20

SI No	Section	RKM	TKM	Executing Organization	Date of CRS inspection	Date of CRS authorization	Date of commissioning	Remarks
1.	Arakkonam-Takkolam Detour line.	11.286	11.34	CN	25.01.19	06.09.19	06.09.19	
2	Chennai Beach-Korukku-pet 3rd & 4th lines	..	9.293	CN	24.05.19	25.05.19	29.05.19	
3	Mangalore Jn.-Jokkotte	13.147	26.446	CN	27.12.19	13.01.20	13.01.20	
4	Thanjavur – Thiruvavur	54.06	66.29	RE	31.01.20	11.12.18	22.12.18	
5	Cuddalore port-Thiruvavur	114	148.48	RVNL	07/8.02.20	11.02.20	11.02.20	
6	Ambalappuzha-Harippad doubling	..	21.56	CN	26.02.20	13.02.20	13.02.20	
7	Kadambur-Vanchi Maniyachchi-Gangai-kondan/Tattapparai Doubling.	..	54.1	RVNL	09.03.20 to 11.03.20	14.03.20	14.03.20	

8 (a) Details of Electrical Locomotives :

Particulars		Broad Gauge (average for the year)	
		2018-19	2019-20
(i) Total No. of Engine on line	..	477.79	504.69
(ii) No. of Engine in use (average per day).	..	..	..
a. Goods Service	..	186.77	210.74
b. Passenger Service	..	243.91	293.95
c. Shunting	..	..	..
d. Departmental	..	..	..
e. Banking	..	..	..
f. Spare	..	1.61	2.46
Total average per day	..	432.68	456.96
(iii) Engine km/day/Engine in line (all services).	..	568	572
(iv) Engine km/Day/Engine in use (all services).	..	569	590
(v) Total No. of failure	..	..	..
a. Passenger Service	..	56	72
b. Goods Service	..	42	51
(vi) Engine km/Engine failure	..	..	..
a. Passenger Service	..	519281	412130
b. Goods Service	..	314016	254268
(vii) Total km (Passenger and goods service).	..	42268405	42640985

(b) Electrical Locomotive Stock :

The particulars of Rolling Stock on line owned at the end of March 2020 as compared to the previous year.

As on 31 st March 2020	Locomotives BG Loco
Holding as on 31.03.2019	489
Holding as on 31.03.2020	528

(c) Locomotives on line with their Tractive effort :

Particulars —	Broad Gauge	
	Nos	Horse Power/Loco
Previous Year 2018-19	WAM4 - 3	3640
	WAP1 - 29	3800
	WAP4 - 151	5000
	WAG7 - 122	5000
	WAG5A/HA- 89	3850
	WAP7 - 95	6120
Current year 2019-20	WAP1 - 28	3800
	WAP4 - 151	5000
	WAG7 - 122	5000
	WAG5A/HA- 88	3850
	WAP7 - 139	6120

(d) Electric Locomotive (BG) Age Group Years Particulars 2017-18 to 2018-19

—	Nos	Percentage	Nos	Percentage
Less than 1 year	26	5.32	46	8.71
1 to 5 years	82	16.77	83	15.72
6 to 10 years	88	18.00	86	16.29
11 to 15 years	65	13.29	88	16.67
16 to 20 years	91	18.61	49	9.28
21 to 25 years	50	10.22	77	14.58
26 to 30 years	66	13.50	79	14.96
Above 30 years	21	4.29	20	3.79
Total	489	100.00	528	100.00

(e) Over aged rolling stock on lines :

a. Over aged BG Electric Locos on line as on 31st March – 2018 & 31st March 2019

b. No. of Locomotives put off and new locomotives put on the line during the year
(Current Financial Year)

Particulars	Broad Gauge	
	2018 - 19	2019 - 20
i. No. of Locomotives taken off on line	2	5
ii. No. of Locomotives placed on line	25	49
iii. No. of Locomotives permanently transferred from other Railways.	4	0
iv. No. of Locomotives permanently transferred to other Railway.	—	5

(f) Engine Failures :

Year	Total No. of Engine failure	Average KM per engine failure (in lakhs)	Failure under various service			Engine KM/Engine failure under various service (in lakhs)		
			Pass	Mixed	Goods	Pass	Mixed	Goods
Broad Gauge 2018-19	98	4.31	56	-	42	5.19	-	3.14
2019-20	123	7.71	72	-	51	8.60	-	6.46

9. Locomotives**II. Diesel Locomotives****(a) Tractive Efforts (BG)**

Type	Number of Locos	Tractive Effort (In Kgs.) Continuous	Total Tractive Effort (In Kgs)	Average Tractive Efforts
Diesel Electric Loc				
WDG2 / WDG 3A	78	31920	2489760	
WDG4	31	53000	1643000	
WDG4D	4	53000	212000	
WDM2	6	24600	147600	
WDM2C (WDM 3A)	70	28050	1963500	
WDM3D	51	25950	1323450	
WDP2 (WDP 3A)	9	19950	179550	
WDP4B / WDP4D	55	39200	2156000	
WDM7	14	21500	301000	
WDS6	21	26600	532000	
TOTAL DSL ELEC. LOCOS	338		10947860	32890

(b) Tractive Efforts (MG)

Type	Number of Locos	Tractive Effort (Kgs.)	Total Tractive Effort (In Kgs)	Average Tractive Efforts
YDM4	5	18935	94675	
TOTAL DSL ELEC. LOCOS	5		94675	18935

(c) TOTAL TRACTIVE EFFORTS – DIESEL LOCOMOTIVES

As on 31 st March		BROAD GAUGE		METRE GAUGE	
		No.	Total Tractive Efforts (kgs.)	No.	Total Tractive Efforts (kgs.)
2018 – 19	..	344	11104360	5	94675
2019 – 20	..	338	10947860	5	94675

(d) Diesel Locomotives

As on 31st March	Locomotives		
	BROAD GAUGE		METRE GAUGE
	Dsl. Locos	Dsl. HYD. Locos	Dsl. Locos
2018 – 19 ..	344	0	5
2019 – 20 ..	338	0	5

(e) Additions / Renewal

Particulars	BROAD GAUGE		METRE GAUGE	
	Additions	Replacement	Additions	Replacement
Diesel ..	0	—		—

(f) Average cost of Maintenance and Repairs (in Rs. Lakhs)

Average of maintenance and repairs per Diesel locomotive without POH cost	Year	Broad Gauge
	2018 – 19	45.11
	2019 – 20	45.41

10. Electrical General Services Particulars

Particulars		2018-19	2019-20
(i) Generating, Converting and transforming Plants.	Nos.	337	337
Transformer capacity in	kVA	171940	171940
(ii) Total connected loads of installations purchasing power from outside sources in kw. (in thousands).		184582	189617
(iii) Electrification of stations including block huts		735	735
(iv) Total No. of Motors (other than pump motors in service in major workshops, TL depots, divisional electrical repair shops, Printing Press, etc.)	Nos.	3151	3151
	Capacity	29325	29051
(v) Electrical driven pump	Nos.	1681	1801
(vi) Electrified Quarters	Nos.	19806	19681
Lights		104880	103727
Fans		42642	42057
Plugs		61530	58590
(vii) Service Buildings			
Lights		90657	90364
Fans		38242	38306
Plugs		57049	57166
(viii) AC plants and refrigeration's equipments			
AC Plants	Nos.	3291	3462
Capacity	Tons	6760	6762
Refrigerators	Nos.	263	242
Capacity	Ltrs.	53171	47566
(ix) Water coolers	Nos.	582	592
Capacity	Ltrs.	69948	70693
(x) Air Compressors	Nos.	113	114
Capacity of Motors in	HP	2265	2200
(xi) Welding sets	Nos.	931	913
Capacity in	Amps	145870	140660
(xii) Battery Chargers	Nos.	917	787
Capacity in	Amps	38054	421142
(xiii) Other installations, Miscellaneous viz., Geysers, Water distilling plants etc.,	Nos.	1286	1280
(xiv) Flood light towers in yards—			
No. of Towers		581	420
Wattage	KW	98770	97820
(xv) Length of Transmission line (Other than Traction) km.			
HT OH		12.017	10.597
UG		164.05	166.06
LT OH		458.44	484.74
UG		1636.3	1687.2
(xvi) Power line Crossings	Nos.	2285	2288
(xvii) No. of lifts		141	145
(xviii) No. of Escalators		105	96
(xix) Solar panels capacity in KWP		4029	4266
(xx) Solar PUMP capacity in KWP		9.3	9.3

11. Financial Position-Electrical Department
A. Revenue Budget As per the demands for Grants:—

(Figs. in Lakhs of ₹)

Demand Number and Description	Budget grant 2020-21	Final grant 2019-20
Demand No. 5		
Repairs and Maintenance of Motive Power (Electric Loco)	2,494	22,655
Demand No. 6		
Repairs and Maintenance of Carriages and Wagons- EMU, TL and AC	50,082	46,888
Demand No. 7		
Repairs and Maintenance of Plants and Equipments	29,774	28,345
Demand No. 8		
Operating Expenses-Rolling stock and Equipments	54,644	57,970
Demand No. 10.		
Operating Expenses-Fuel for Electric Traction	1,06,900	1,00,589
Demand No. 11		
Staff Welfare and Amenities - Supply of Energy for Power & lighting (J 580)	1,648	1,557
Total	2,67,542	2,58,004

B. Works Budget Demand No. 16
Plan Expenditure works controlled by PCEE/MAS (Electrical Department)

(Figs. in Lakhs of ₹)

Sl. No.	Demand Number and Description	Budget grant 2019-20	Final grant 2018-19
1	Traffic Facilities (16)	22.73	24.45
2	Rolling Stock (21)	2,212.35	1,889.5
3	Road Safety work (29)	4.5	28.64
4	Other Electrical Works (36)	7,713.37	8,695.01
5	Machinery and Plants (41)	104.16	143.54
6	Staff Amenities (51)	46.78	72.55
7	Passenger Amenities (53)	1,467.58	723.77
8	Other Specified Works (64)	22.81	42.69
Total		11,594.28	11,620.15

IX. सिगनल व दूर संचार/SIGNAL AND TELE-COMMUNICATION

- 1. General** — The over all performance of Signal and Telecommunication installations continued to be satisfactory consistent with the increase in assets consequent on the execution of numerous Planned works.
- 2. Signalling** — The distribution on Interlocked stations and those provided with Rudimentary Interlocking on the Railways are as under.

Gauge As on	Inter-locked stations						Non-Inter-locked Stations		Total No. of Block Stations		Total No. of IBS	
	Std. III/IIR		Std. I/IIR		Rudimentary		31st March 2019	31st March 2020	31st March 2019	31st March 2020	31st March 2019	31st March 2020
	31st March 2019	31st March 2020	31st March 2019	31st March 2020	31st March 2019	31st March 2020						
BG	441	444	45	45	0	0	1	1	487	490	33	35
MG	0	0	1	1	5	5	2	2	8	8	0	0
TOTAL	441	444	46	46	5	5	3	3	495	498	33	35

(A) Summary as on 31-03-2019

Total No. of Inter-locked stations	444	+	46	+	—	—	5	=	495
Total No. of Non-Interlocked stations	—	—	—	—	—	—	—	=	3
Total No. of IBS	—	—	—	—	—	—	—	=	35
Total No. stations closed for Gauge conversion	—	—	—	—	—	—	—	=	5
Total No. of Block stations (including IBS)	—	+	—	+	—	—	—	=	538

Note.— 1. This excludes flag & Halt stations but includes 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 2018 Gauge wise along with corresponding figures for 31st March 2020 are given below :—

Serial No.	System of Train Working	Broad Gauge		Metre Gauge		Total	
		31st March 2019	31st March 2020	31st March 2019	31st March 2020	31st March 2019	31st March 2020
1.	Single Line Token Instrument (No. of Block section)	..	..	8	8	8	8
2.	Tokenless Block Instrument (No. of Block section)	415	419	NIL	NIL	415	419
3.	Paper Line Clear Ticket	..	..	..	..	..	..
a.	Single Line	..	..	..	..	..	..
b.	Double Line	..	..	..	..	..	..
4.	Lock and Block Instrument (No. of Block section)	173	175	NIL	NIL	173	175
5.	Automatic Signalling in KMs.	..	..	..	..	..	..
a.	Track Kilometres	1056.45	1056.45	NIL	NIL	1056.45	1056.45
b.	Route Kilometres	423.93	423.93	NIL	NIL	423.93	423.93
6.	Intermediate Block Signalling in Kms. (Route Kilometres)	33.00	35.00	NIL	NIL	33.00	35.00
7.	Other Systems	..	..	..	..	..	..
a.	Continuous Track Circuiting (Other than Auto signalling)	56.34	56.34	NIL	NIL	56.34	56.34
b.	Twin Single Line (Route Kilometres)	60.69	60.69	NIL	NIL	60.69	60.69

(C) Type of Signalling as on current year 31st March 2020—

Serial No.	Route	Total No. of stations on					Total
		Quadruple Line	Double Line	Third Line	Single Line	Twin Single Line	
..	..	..	..	..	..	..	..

(i) Two Aspect Semaphore Signalling—

E-Route	..	..	..	..	..	0
MG-Route	..	..	..	8	..	8
Total	..	..	..	..	..	8

(ii) Multiple Aspect Upper Quadrant Signalling—

(a) D-Route	..	..	..	..	..	0
E-Route	..	..	..	..	..	0
Other (Including MG)	..	..	..	..	..	..
Total	..	..	..	..	..	0

(iii) Multiple aspect colour light signalling—

Serial No.	Route	Quadruple Line	Double Line	Total No. of stations on			Total
				Third Line	Single Line	Twin Single Line	
'A' Route	..	8	14	3	..	..	22
'B'-Route	..	15	134	..	2	7	161
'C'-Route	..	..	5	..	..	..	5
'D'-Route	..	..	74	..	123	..	197
'E'-Route	..	..	..	..	105	..	105
MG	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	490
iv Under Gage Conversion..	..	..	..	..	5	..	5
Total (i)+(ii)+(iii)+(iv)	23	227	3	241	7	503	

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	16	87	2	45	30	..	180
2.	Route Relay Inter-locking-RR	1	6	..	..	..	..	7
3.	Panel Inter-locking-PI or PI/RS	5	68	3	152	75	..	303
4.	Centralised Operation by SM's Slide control CO	..	..	..	..	..	..	0
5.	Lever Frame	..	..	..	..	..	8	8
6.	Under Gauge conversion	..	..	..	..	..	5	5
A.	Total No. of Stations	22	161	5	197	105	8	503
B.	Intermediate Block Signalling IBS	..	25	..	10	..	..	35
Total (A+B)		22	186	5	207	105	8	538

(E) (i) Classification of stations as on 31st March 2020

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/ Twin Single Line	Double Line	Single Line	
		BG		BG		BG		MG	BG		BG		
BG	A	22	—	—	—	—	—	—	—	—	—	—	22
	B	48	—	—	—	103	6	—	—	3	1	—	161
	C	5	—	—	—	—	—	—	—	—	—	—	5
	D	10	—	—	—	65	122	—	—	—	—	—	197
	E	3	—	—	—	—	101	—	—	—	—	—	105
	MG	—	—	—	—	—	—	—	—	—	—	—	—
	TOTAL	88	0	0	0	168	229	—	—	3	1	0	490
MG	S3	—	—	—	—	—	—	8	—	—	—	—	8
	TOTAL	—	—	—	—	—	—	8	—	—	—	—	8

(E) (ii) Summary of Classification of stations as on 31st March 2020—

BG	88	..	..	..	168	229	0	0	3	1	0	490
MG	..	..	..	..	..	..	8	..	..	..	..	8
Total Number of Stations												498

Total Number of Block working stations .. 498

Total Number of Stations closed for Gauge Conversion .. 5

Grand Total .. 503

F. Total No. of Manned Gates as on 31st March 2020 - Class wise

Sl. No.	Safety Devices provided	Special Class		'A' Class		'B 1' Class		'B 2' Class		'C' Class		Total		Overall 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.	
I. a	Lifting Barriers	195	360	54	174	20	96	27	78	174	731	470	1439	1909
b	Telephone	195	360	54	174	20	96	27	78	174	731	470	1439	1909

Total No. of Manned Gates as on 31st March 2020—Route Wise

Sl. No.	Route/Safety Devices provided	Special Class		'A' Class		'B 1' Class		'B 2' Class		'C' Class		Total		Overall 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	8	11	2	6	0	1	0	0	5	20	15	38	53
(b)	Telephone ..	8	11	2	6	0	1	0	0	5	20	15	38	53
2.	'B' Route—													
(a)	Lifting Barriers	47	103	13	35	7	25	4	7	36	79	107	249	356
(b)	Telephone ..	47	103	13	35	7	25	4	7	36	79	107	249	356
3.	'C' Route—													
(a)	Lifting Barriers	0	1	0	0	0	0	0	0	0	0	0	1	1
(b)	Telephone ..	0	1	0	0	0	0	0	0	0	0	0	1	1
4.	'D' Route—													
(a)	Lifting Barriers	91	187	25	87	9	44	12	50	83	358	220	726	946
(b)	Telephone ..	91	187	25	87	9	44	12	50	83	358	220	726	946
5.	'E' Route—													
(a)	Lifting Barriers	49	58	13	45	4	25	11	20	46	274	123	422	545
(b)	Telephone ..	49	58	13	45	4	25	11	20	46	274	123	422	545
6.	MG Route—													
(a)	Lifting Barriers	0	0	1	1	0	1	0	1	4	0	5	3	8
(b)	Telephone ..	0	0	1	1	0	1	0	1	4	0	5	3	8

The summary of signalling works completed during the year under review.

(As on 31-03-2020)

Sl. No.	Description	No. of LCs completed during 2019-20	Total No. Lcs completed upto end of 2019-20	Total
1.	Provision of lifting barriers at the level crossings (Non-interlocked)	0	73	73

(ii) Non-Inter locked Gates—

Route	Total No. as on 31st March 2020					
	Special Class	'A' Class	'B1' Class	'B2' Class	'C' Class	Total
Trunk Route and Important Main Line :						
1. 'A' & 'B' Route on B. G.	..	..	..	..	..	..
2. 'Q' & 'R' Route on M. G.	..	..	..	..	..	..
Others ..	4	16	73	9	390	492
Total	4	16	73	9	390	492

(iii) Unmanned Gates.—As on 31st March 2020

Sl. No.	Section	No. of Unmanned Gates			
(1)	Single line	..	..	..	0
(2)	Double line	..	..	..	0
	Total	..	..	..	0

2. Tele-communication Narrative Report—2019-20

(I) Exchanges

Sl. No.	Exchanges	Auto Exchanges	Inter-com.
(1)	Total No. of Exchanges	78	14
(2)	Telephone Lines (in service)	17,038	1115

(II) Traffic Control Including Area Control

Section Control
Details of Control Alignment/Cable

Sl.No.	Division	Section	Route Kms
a) OFC + RE Quad Telecom Cables			
1.	Chennai	Chennai Beach - Thirumayilai	8.66
2.	Palakkad	Walayar - Palakkad	25.69
3.	Palakkad	Palakkad - Shoranur	44.49
		Total	78.84
c) OFC + Quad Cable			
1.	Chennai	Chennai - Gudur	136.04
2.	Chennai	Chennai - Arakkonam	68.48
3.	Chennai	Arakkonam-jolarpettai Jn	144.59
4.	Chennai	Arakkonam-renigunta	66.30
5.	Chennai	Arakkonam - Chengalpattu	62.96
6.	Chennai	Chennai Beach - Chengalpattu	59.84
7.	Chennai	Chengalpattu - Villupuram	102.92
8.	Chennai	Chennai Beach-basin Bridge Jn	4.68
9.	Chennai	Thirumayilai - Tiruvanmiyur - Velachery	10.69
10.	Chennai	Pattabiram- Pattabiram Siding	2.03
11.	Chennai	Villivakkam -annanagr	3.09
12.	Salem	Salem - Jolarpettai	120.04
13.	Salem	Salem - Erode	59.25
14.	Salem	Salem-mettur Dam	40.25
15.	Salem	Salem-namakkal-karur	85.12
16.	Salem	Virudachallam - Salem	138.88
17.	Salem	Erode - Coimbatore	100.14
18.	Salem	Coimbatore - Mettupalaiyam	35.51
19.	Salem	Podanur - Coimbatore	16.77
20.	Salem	Mettupalaiyam - Udagamamandalam	45.88
21.	Salem	Karur-dindigul	73.97
22.	Salem	Podanur - Kinathukadavu	24.81
		Total	00.00

Sl.No.	Division	Section	Route Kms
23.	Salem	Erode - Karur - Tiruchchirappalli	137.16
24.	Tiruchchirappalli	Villupuram - Tiruchchirappalli	177.53
25.	Tiruchchirappalli	Tiruchchirappalli - Thanjavur	49.80
26.	Tiruchchirappalli	Tiruchchirappalli - Tiruchchirappalli Fort	3.94
27.	Tiruchchirappalli	Villupuram-puducherry	37.30
28.	Tiruchchirappalli	Villupuram - Vellore -kadpadi	160.13
29.	Tiruchchirappalli	Cuddalore - Vriddhachalam	57.30
30.	Tiruchchirappalli	Mayiladuthurai - Tiruvarur	37.91
31.	Tiruchchirappalli	Villupuram - Cuddalore-mayiladuthurai	122.84
32.	Tiruchchirappalli	Thanjavur- Kumbakonam	39.35
33.	Tiruchchirappalli	Kumbakonam - Mayiladuthurai	31.10
34.	Tiruchchirappalli	Thanjavur-tiruvarur	54.37
35.	Tiruchchirappalli	Tiruvarur-nagore	30.37
36.	Tiruchchirappalli	Nagore - Karaikkal	12.00
37.	Tiruchchirappalli	Nidamangalam - Mannargudi	13.41
38.	Tiruchchirappalli	Nagapattinam - Velankanni	10.32
39.	Tiruchchirappalli	Tiruvarur - Pattukottai - Karaikkudi	148.99
40.	Madurai	Tiruchchirappalli - Madurai	157.39
41.	Madurai	Madurai-manamadurai - Rameswaram	161.49
42.	Madurai	Madurai-tuticorin-tirunelveli	188.22
43.	Madurai	Tiruchchirappalli - Karakkudi-	43.
44.		Manamadurai	150.51
45.	Madurai	Manamadurai-virudhunagar	66.55
46.	Madurai	Virudhunagar-srivilluputtur - Tenkasi	122.16
47.	Madurai	Tirunelveli- Tiruchendur	61.21
48.	Madurai	Tirunelveli-tenkasi	72.02
49.	Madurai	Tenkasi - Shengottai	7.83
50.	Madurai	Dindigul-palani- Pollachi	121.20
51.	Madurai	Punalur - Kollam	44.10
52.	Madurai	Punalur - Sengottai	49.38
53.	Palakkad	Podanur- Walayar	23.67
54.	Palakkad	Shoranur - Kozhikode - Mangalore	307.07
55.	Palakkad	Shoranur-nilambur	65.80
56.	Palakkad	Mangalore - Panambur	24.41
57.	Palakkad	Pollachi - Kinathukadavu	21.16
58.	Tiruvananthapuram	Shoranur - Thrissur - Ernakulam	106.85
59.	Tiruvananthapuram	Ernakulam - Kottayam - Kayankulam	114.66
60.	Tiruvananthapuram	Ernakulam - Allappuzha - Kayankulam	100.34
61.	Tiruvananthapuram	Ernakulam - Cochin Harbour Terminus	7.75
62.	Tiruvananthapuram	Kayankulam - Kollam	40.84
63.	Tiruvananthapuram	Kollam - Tiruvananthapuram Central	64.30
64.	Tiruvananthapuram	Thrissur-guruvayur	22.63
65.	Tiruvananthapuram	Thiruvananthapuram -nagercoil	71.05
66.	Tiruvananthapuram	Nagercoil-tirunelveli	73.29
67.	Tiruvananthapuram	Nagercoil-kanniyakumari	15.51
		Total	4845.32

5. Status of Signalling Assets sas on 31.03.2020

Sl. No.	Description of Items	Status as on 31.03.19	Added During 31.03.20	Status as on 31.03.20
1	ZISTUS	6791967	463911	7255878
2	Total Route KMS on Railway	5081	5	5086
	Total Track KMS on Railway	7343	31	7374
3	Token Block working (No.of Block Sections)	8	0	8
4	i. Tokenless Block working (No. of Block Sections)	415	3	418
	ii Lock & Block working (No. of Block Sections)	173	2	175
5	i. Block working with continous track circuiting	28	0	28
	ii Block working with one train only system	0	0	0
6	Intermediate Block Signals (No. of Block Sections)	33	2	35
	(i) Single line	0	0	0
	(ii) Double line	33	2	35
7	UFSBI 6	5	0	5
8	Block Proving by Axle-counters (No. of Block Sections)	366	11	377
	(i) Single line section	203	11	214
	a BPAC - Block panel	0	0	0
	b BPAC- Axle counter with Block Instrument	203	11	214
	(ii) Double line section	163	0	163
	a BPAC - Block panel	0	0	0
	b BPAC- Axle counter with Block Instrument	163	0	163
9	Colour Light Signalling (Nos. of stations)	487	3	490
	i. Multi Aspect	487	3	490
	ii. 2-Aspect	0	0	0
10	Semaphore Signalling (Nos. of stations)	8	0	8
	i. MAUQ	0	0	0
	ii. LQ	8	0	8
11	Automatic Block Working			
	(i) Track Kms	1056.45	0	1056.45
	(ii) Route Kms	423.93	0	423.93
12	Automatic Permissive Block Working	—	—	—
	(i) Track Kms	—	—	—
	(ii) Route Kms	—	—	—
13	Safety Devices at Level-Crossings (Nos. of Gates)			
	(i) Interlocked at Level Crossings(Nos. of Gates)	1296	51	1347
	(ii) Lifting Barriers at Level-Crossings (Nos. of Gates)	1920	-11	1909
	a. Electrically operated lifiting Barrier (ELB) No of gates	46	-2	44
	b. Mechanically operated lifiting Barrier (MLB) No of gates	1874	-9	1865
	(iii) Telephone at Level-Crossings (Nos. of Gates)	1920	-11	1909
	(iv) Train Actuated warning system (Nos. of Gates)	136	0	136
	(a) At Unmanned Gates (Nos. of Gates)	0	0	0
	(b) At Manned Gates (Nos. of Gates)	136	0	136
	v. Emergency Sliding Booms (ESB) (No of Gates)	19	0	25

5. Status of Signalling Assets sas on 31.03.2020

Sl. No.	Description of Items	Status as on 31.03.19	Added During 31.03.20	Status as on 31.03.20
14	A Total No of Interlocked Stations (R.)	352	11	363
	(a) Standard-I Interlocking (R)	29	2	31
	(b) Standard-II Interlocking (R)	323	9	332
	(c) Standard-III Interlocking (R)	0	0	0
	(d) Standard-IV Interlocking (R)	0	0	0
	B Total No of Interlocked stations (Nos)	487	3	490
	(i) Non-Interlocked Stations.	3	0	3
	(ii) Modified Non-Interlocked Stations.	5	0	5
	(iii) Block Hut with station master	2	0	2
	(iv) Total Interlocked Stations (a+b+c)	458	1	459
	(a) Standard-I (Nos.)	17	-2	15
	(b) Standard-II (Nos.)	0	0	0
	(c) Standard-III/IIR (Nos.)	441	3	444
15	B Total No. of stations. (Nos.)	495	3	498
	(i) Spl class stns.	86	2	88
	(ii) A class stns.	0	0	0
	(iii) B class stns.	405	1	406
	(iv) B class stn without loop	0	0	0
	(v) C class stns.	3	0	3
	(vi) D class stns.	1	0	1
	vii D class stns. K	0	0	0
16	Route Relay Interlocking (No. of stations)	7	0	7
	(a) Standard-IR Interlocking	4	0	4
	(b) Standard-II Interlocking	0	0	0
	(c) Standard-III/IIR Interlocking	3	0	3
17	Panel Interlocking (No. of stns.)	---	---	---
	A Panel Interlocking (END PANELS) No. of stns.	---	---	---
	(i) Stations with MACL Signals	---	---	---
	(a) Standard-IR Interlocking	---	---	---
	(b) Standard-IIR Interlocking	---	---	---
	(c) Standard-III/IIR Interlocking	---	---	---
	(ii) Stations with Semaphore Signals	---	---	---
	(a) Standard-IR Interlocking	---	---	---
	(b) Standard-IIR Interlocking	---	---	---
	(c) Standard-III/IIR Interlocking	---	---	---
	B Panel Interlocking (CENTRAL PANELS) No. of stations.	310	-7	303
	(i) Stations with MACL Signals	310	-7	303
	(a) Standard-I/IR Interlocking	12	1	13
	(b) Standard-IIR Interlocking	187	-2	185
	(c) Standard-III/IIR Interlocking	286	-9	277
	(ii) Stations with Semaphore Signals	0	0	0
	(a) Standard-IR Interlocking	0	0	0
	(b) Standard-IIR Interlocking	0	0	0
	(c) Standard-III/IIR Interlocking	0	0	0

5. Status of Signalling Assets sas on 31.03.2018 (Year Book)

Sl. No.	Description of Items	Status as on 31.03.19	Added During 31.03.20	Status as on 31.03.20
18	Lever Frames (No. of stations)	8	0	8
	(i) With MACL Signals	0	0	0
	(a) Standard-IR Interlocking	0	0	0
	(b) Standard-IIR Interlocking	0	0	0
	(c) Standard-III/IIR Interlocking	0	0	0
	(d) Non-Interlocked (NI)	0	0	0
	(e) Modified Non Interlocked (MNI)	0	0	0
	(ii) Stations with Semaphore Signals (DOUBLE-WIRE) (MAUQ)	0	0	0
	(a) Standard-IR Interlocking	0	0	0
	(b) Standard-IIR Interlocking	0	0	0
	(c) Standard-III/IIR Interlocking	0	0	0
	(iii) Stations with Semaphore Signals (SINGLE-WIRE) (LQ)	8	0	8
	(a) Standard-IR Interlocking	1	0	1
	(b) Standard-IIR Interlocking	0	0	0
	(c) Standard-III/IIR Interlocking	0	0	0
	(d) Modified Non Interlocked	2	0	2
	(e) Non-Interlocked	5	0	5
19	Electronic Interlocking (No of stations)	167	13	180
	a Hot	123	13	136
	b Warm	44	0	44
	i. Microlock II (Ansaldo)	54	2	56
	a Hot	14	2	16
	b Warm	40	0	40
	ii Westrace (Invensys)	22	0	22
	a Hot	22	0	22
	b Warm	0	0	0
	iii. AZD Praha	0	0	0
	a Hot	0	0	0
	b Warm	0	0	0
	iv GETS (VHLC)	4	0	4
	a Hot	0	0	0
	b Warm	4	0	4
	v Siemens (SICAS)	6	0	6
	a Hot	6	0	6
	b Warm	0	0	0
	vi Kyosan	27	7	34
	a Hot	27	7	34
	b Warm	0	0	0
	vii Medha	54	4	58
	a Hot	54	4	58
	b Warm	0	0	0
20	On Board Train Protection System	—	—	—
	a Auxiliary Warning System	—	—	—
	i. RKM	—	—	—
	ii Trackside Equipment (TKM)	—	—	—
	iii Onboard Equipment (No of Locos/EMUs/MEMUs/DEMUs)	—	—	—

Sl. No.	Description of Items	Status as on 31.03.19	Added During 31.03.20	Status as on 31.03.20
	b Anti Collision Device (ACD)	—	—	—
	i. RKM	—	—	—
	ii Trackside Equipment (TKM)	—	—	—
	iii Onboard Equipment (No of Locos/EMUs/MEMUs/DEMUs)	—	—	—
	c Train protection and warning system			
	i. RKM	114.56	0	114.56
	ii Trackside Equipment (TKM)	517	0	517
	iii Onboard Equipment (No of Locos/EMUs/MEMUs/DEMUs)	0	0	0
	d Train collision & Avoidance system (TCAS)	—	—	—
	i. RKM	—	—	—
	ii Trackside Equipment (TKM)	—	—	—
	iii Onboard Equipment (No of Locos/EMUs/MEMUs/DEMUs)	—	—	—
21	Second Distant Signals (Nos. of stations)	—	—	—
	(i) Stations with MACLS Signals	—	—	—
	(ii) LC Gates	—	—	—
	(iii) Intermediate Block Signals	—	—	—
22	Track Circuiting (No. of Locations)	3409	21	3430
	(i) FM to FM	487	3	490
	(ii) FM to BSL (St)	487	3	490
	(iii) FM to BSL (T/O)	487	3	490
	(iv) FM to Home (St)	487	3	490
	(v) FM to Home (T/O)	487	3	490
	(vi) loop line	487	3	490
	(vii) Others (Calling on, Approach track circuiting etc.)	487	3	490
23	Complete Track circuiting of Yard Station (No of stations)	487	3	490
24	i No of stations of Semaphore Signals Lit with Solar Power	0	0	0
	ii No of Semaphore Signals Lit with Solar Power	0	0	0
	iii. No of LC gates Lit with Solar Power	17	23	40
25	AFTC (Nos.)	1553	0	1553
26	HFTC (Nos.)	—	—	—
27	DIGITALAXLE-COUNTERS (Nos.)			
	(i) SSDAC (Single Entry)	0	0	0
	(a) Stations / No. of B. Section	311	-69	242
	(b) Equipments/Track circuits (sets)	502	-78	424
	(ii) MSDAC (Multi Entry)	—	—	7
	(a) Stations	—	—	24
	(b) Equipments/Track circuits	—	—	24
	(iii) HASSDAC	0	—	—
	(a) Stations / No. of B. Section	48	82	130
	(b) Sets	80	114	194
28	ANALOG AXLE-COUNTERS (Nos.)			
	(i) Single Entry	0	—	0
	(a) Stations / No. of B. Section	7	-2	5
	(b) Equipments/Track circuits (sets)	26	-8	15
	(ii) Multi Entry	—	—	—
	(a) Stations	—	—	—
	(b) Equipments/Track circuits	—	—	—

5.Status of Signalling Assets sas on 31.03.2018 (Year Book)

Sl. No.	Description of Items	Status as on 31.03.18	Added During 2018-19	Status as on 31.03.19
29	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.	---	---	---
30	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.	---	---	---
31	LED lit MACL Signals			
	(a) No of Stations	487	3	490
	(b) No of Signals	9193	25	9218
	(c) No of Aspects	27829	182	28011
32	Tripple pole Signal lamps	0	0	0
	(a) No of Stations	0	0	0
	(b) No of Signals	0	0	0
	(c) No of Aspects	0	0	0
33	Calling - On Signals (No of stns)	487	3	490
34	Data - loggers (Total os stations)	482	5	487
	(i) Stand Alone (Nos.)	0	0	0
	(ii) Networking Mode (Section / Nos.)	482	5	487
	(iii) Networking with division	482	5	487
	(iv) Networking with zonal HQ	482	5	487
	(v) Networking with Railway Board	482	5	487
35	Integrated Power Supply (No of stns)	452	23	475
	(i) SCR Based (No of stns)	0	0	0
	(ii) SMPS Based (No of stns)	452	23	475
36	Point Machines (Nos.)	6403	104	6507
	(i) IRS Type	6375	63	6438
	(ii) Siemens Type	0	0	0
	(iii) Clamp Type	28	41	69
	(iv) Other	0	0	0
37	Batteries (Nos.)	80815	2771	83586
	i 2V Cells 40 AH	4	-4	0
	ii 2V Cells 80 AH	41551	1650	43201
	iii 2V Cells 120 AH	9577	26	9603
	iv 2V Cells 200 AH	23292	2003	25295
	v 2V Cells 300AH	6115	-720	5395
	vi 2V Cells 400 AH	271	-179	92
	vii 2V Cells 500AH	0	0	0
	viii 2V Cells 600AH	0	0	0
	ix 2V Cells 100 AH	0	0	0
	x Battery Set 12/24 V	5	-5	0
	xi Battery Set 4/24 V	0	0	0

III. CONTROL SECTIONS

S.No.	Divin.	Name of the Control	Sections
1	MAS (7)	TRL Tiruvallur	CHENNAI - TIRUVALLUR, CHENNAI BEACH- KORUKUPET
2		KPD Katpadi	(CHENNAI) - TIRUVALLUR - KATPADI
3		JTJ Jolarpettai	(CHENNAI) - KATPADI - JOLARPETTAI
4		GDR Gudur	CHENNAI - GUDUR
5		RU Renugunta	(CHENNAI) - ARAKKONAM - RENIGUNTA
6		VM Villupuram	CHENNAI BEACH - VILLUPURAM, CHENGALPATTU - ARAKKONAM
7		SUBURBAN	CHENNAI BEACH - TAMBARAM, CHENNAI BEACH - VELACHERY
8	TPJ (4)	KPD Kadpadi	(TIRUCHCHIRAPPALLI) - VILLUPURAM - KATPADI, VILLUPURAM - PUDUCHERRY, VILLUPURAM - CUDDALORE - VRIDDACHALAM
9		BRANCH LINE	TIRUCHIRAPPALLI - THANJAVUR - THIRUVARUR - NAGORE, NAGAPATHANAM-VELANKANNI, MAYILADUTURAI- THIRUVARUR - KARAUKUDI
10		CHORD LINE	TIRUCHIRAPPALLI - VRIDDACHALAM - VILLUPURAM,
11		MAIN LINE	TIRUCHCHIRAPPALLI - THANJAVUR - KUMBAKONAM - MAYILADUTURAI - CUDDALORE, TIRUCHCHIRAPPALLI- TIRUCHCHIRAPPALLI FORT
12	MDU (4)	TPJ Thiruchchirappalli	MADURAI - DINDIGUL - TIRUCHCHIRAPPALLI, DINDIGUL - POLLACHI
13		RMM Rameswaram	MADURAI - RAMESWARAM, MANAMADURAI - VIRUDUNAGAR, MANAMADURAI - KARAUKUDI - TIRUCHCHIRAPPALLI,
14		SCT Sengottai	VIRUDUNAGAR - TENKASI- KOLLAM, TENKASI - TIRUNELVELI, TIRUNELVELI - TIRUCHENDUR
15		TN Thutukudi	MADURAI - VANCHI MANIYACHI, TUTICORIN, VANCHIMANIYACHI - TIRUNELVELI,
16	SA (3)	KRR Karur	(SALEM) - ERODE- TIRUCHCHIRAPPALLI FORT, KARRU- DINDIGUL, SALEM - KARUR, SALEM - VRIDDACHALAM,
17		SA Salem	SALEM - JOLARPETA, SALEM-ERODE, SALEM - METTURDAM
18		CBE Coimbatore	(SALEM) - ERODE - COIMBATORE - PODANUR - KINATHUKADAVU, COIMBATORE - UDHAGAMANDALAM
19	PGT (3)	MAQ Manglore	(PALAKKAD) - CANNANORE - MANGLORE CENTRAL- PANAMBUR
20		CAN Kannur	(PALAKKAD) - SHORANUR - CANNANORE, SHORANUR - NILAMBUR
21		PGT Palakkad	PALAKKAD - PODANUR, PALAKKAD - SHORANUR, PALAKKAD - POLLACHI - KINATHUKADAVU
22	TVC (3)	TEN Tirunelveli	THIRUVANANTHAPURAM-KOLLAM, THIRUVANANTHAPURAM - KANYAKUMARI - NAGERCOIL - TIRUNELVELI
23		QLN Ernakulam	(THIRUVANANTHAPURAM) -KOLLAM - KOTTAYAM-ERNAKULAM, KAYANKULAM- ALLEPPEY - ERNAKULAM
24		ERS Shoranur	(THIRUVANANTHAPURAM) - ERNAKULAM- SHORANUR, ERNAKULAM - KOCHI HARBOUR TERMINUS, TRICHUR-GURUVAYUR

3. BSNL PHONE AT STATIONS

Provision of BSNL phones at all stations.

S.No.	Division	Number of Stations Provided with BSNL Phones
1.	Chennai	99
2.	Salem	82
3.	Palakkad	65
4.	Thiruvananthapuram	71
5.	Tiruchchirappalli	92
6.	Madurai	107
Total		516

RAILNET CONNECTIVITY

S.No.	Connectivity	No. of locations Provided with Railnet
1.	LAN connectivity	72 Nodes
2.	Internet Gateway Connection	465 Mbps

PRS & UTS

Division	PRS Locations	UTS Locations
Chennai	47	129
Salem	17	78
Palakkad	32	60
Thiruvananthapuram	52	72
Tiruchchirappalli	26	110
Madurai	36	118
Total	210	567

III – PASSENGER AMENITIES

S.No.	Telecom Items	Numbers
1.	PC based PA system	153
2.	Clocks [QUARTZ]	207 Stations GPS clocks provided at 113 Stations
3.	Coach Guidance System	66
4.	Train Display Board	78
5.	Conventional PA System	377

IV – SATELLITE PHONES—10

V – FOIS, CMS & COIS

1.	FOIS	144 Locations
2.	COIS	53 Locations
3.	CMS	24 Locations
4.	V — SAT Connectivity	1 Location

VI – VOICE RECORDER IN CONTROL OFFICE

Voice Recorders are provided on all the 24 Section controls and 15 Traction Power Control in all Divisions.

VII – CUG PHONES

12537 CUG SIM cards of M/S JIO are provided for Officers & Staff in all Divisions, Headquarters office, Project and Construction wing.

VIII – VIDEO CONFERENCE

- Video conferencing arrangements in Headquarters and all divisions is connected through OFC Ethernet media with ring protection.
- CRB with GMS Video Conferencing system is connected through OFC MPLS Network between Chennai and New Delhi.
- Video Conferencing arrangements provided between ML/Railway Board to CSTE & CEE.

IX. WI - FI FACILITIES

Wi - Fi facilities provided at 282 Stations.

Wi - Fi facilities provided at 30 Hospitals. (MAS - 2, TPJ - 3, PGT - 2, MDU - 10, TVC - 1 & SA - 4)

PERFORMANCE OF TELECOMM CIRCUITS

S. No.	Name of The Circuit	2019-20 Performance in %
a.	Average Efficiency of Control Circuits on Railway OFC	
	Circuit	100.00
	Operating	100.00
b.	Average Efficiency of Control Circuits on Railway Quad Cable	
	Circuit	No Circuit
	Operating	No Circuit
c.	Average Efficiency of Control Circuits on Railway RE Cable	
	Circuit	No Circuit
	Operating	No Circuit
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

Matter Relating to Telecommunication Works

Sl. Nos.	Name of Work	Year of installation	Estimated cost ₹ (in lakhs)	Physical progress in %	Remarks
1.	Chennai Area - Public address system in suburban trains (66 rakes)	2009-10	647.81	..	Work is being executed by Sr. DEE/RS/AVD.
2.	Chennai Beach-Sulurpet, Chennai Beach-Velacherry, Chennai Beach-Chengapattu, Chennai Central-Arakkonam- Train Management System	2011-12	3573.36	Nil	Work not started.
3.	Tiruchchirapalli-Karakidudi-Manamdurai Optical fiber cable communication arrangements incl SDH and PD mux with redundant PS arrangements (151)	2015-16	471.88	100%	Work completed and commissioned.
4.	Trivandrum -Ernakulam -Trichur LC Gate communication improvements	2014-15	516.99	..	Indoor Equipments (SDH & MUX with accessories) installed at 42 Stns.
5.	Shorunur -Mangalore LC gate communication improvement	2014-15	530.27	..	Indoor Equipments (SDH & MUX with accessories) installed at 27 Stns.
6.	Podanur - Palghat replacement of RE cable with 6 Quad cable (49 Kms)	2015-16	307.72	..	Indoor Equipments (SDH & MUX with accessories) installed at all Stns. 7 out of 9 Block circuits changed over to newly laid cable.
7.	Chennai Central improvement of communication facilities for LC gates 160 Nos.	2017-18	102.86	..	12 KMs. trenching and laying completed
8.	Trivandrum Division - Dedicated Optical Fibre cable for data communication.	2018-19	108.02	..	Estimate sanctioned. LOA issued for two reaches and third one under finalisation.
9.	PGT Division - Reliability improvement by replacement of various assets.	2018-19	747.31	..	Estimate sanctioned. LOA issued.

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.	PB/ LAW No(19-20) & Allocation	Description of Work	Latest Cost (Rs in 1000s)	Initial Year of Inclusion	Completed during the year	Approx. Financial Process upto 31.03.2020	Physical Progress upto 31.03.2020	Remarks
1	2	3	4	5	6	7	8	9
1.	931 RRSK	TVC Division - Dedicated optic fibre cable for data communications.	192802	18-19	..	15.68	15	1.Detailed Estimate sanctioned for Rs.19,28,02,000/-. 2.Indoor Scheme approved. 3.LOAs issued for Outdoor works for two sections i.e SRR-ERS and ERS-KYJ. Tender for KYJ-TVC under finalisation
2.	932 RRSK	SA Division - Provision of redundancy by using high availability single section digital axle counter (55 sections)	356287	18-19	..	35.30	20	1. Detailed estimate sanctioned for Rs.35,62,87,000/- 2.LOA issued to M/s Venkata Reddy for ED-KRR-TP, SA-NMKL-KRR and SA-VRI sections on 19.08.19. 3.LOA for JTJ-MVPM section issued to M/s Venkata Reddy on 14.09.19. 4. LOA for MVPM-PTJ section issued to M/s Venkata Reddy on 19.09.19. 5.4 sets MSDAC and 22 sets HASSDAC supplied. Call letter issued for supply of balance materials. 6.Physical work in progress in 10 Block Sections. 7.HASSDAC equipment in PGR-MPLM and KMD-RL sections commissioned on 28.02.20 and 17.3.2020

4. Matter Relating to S & T Projects/chennai

Sl. No.	PB/ LAW No(19-20) & Allocation	Description of Work	Latest Cost (Rs in 1000s)	Initial Year of Inclusion	Completed during the year	Approx. Financial Process upto 31.03.2020	Physical Progress upto 31.03.2020	Remarks
1	2	3	4	5	6	7	8	9
3.	934 RRSK	PGT Division - Reliability improvement by replacement of various assets.	74731	18-19		16.34	15	1.Detailed Estimate sanctioned for Rs.7,47,31,000/-. 2.Tender opened on 15.11.2019. LOA issued on 23.01.20 to M/s ITI Bangalore. 3. Call letters placed for HDPE duct , PDMUX. Cable route plan submitted to Division for approval 4.RCIL issued PO for supply of STM-16 equipments.
4.	935 RRSK	SRR-ERS - Multi section digital axle counters to improve reliability of signalling gears (6 Stations-ERN, ERS, ERS-C, ERS-D, PNQ,TCR)	224165	18-19		17.45	15	1. Detailed Estimate sanctioned for Rs.22,41,65,925/- on 11.06.19.2.LOA issued to M/s Eldyne Electro Systems on 28.10.19. 3. Call letter issued for supply of materials and 104 DP materials received.
5.	936 RRSK	BBQ-PAB - Remote Terminal Unit in Auto section	65266	18-19		44.78	20	1.Detailed estimate sanctioned for Rs. 6,52,66,200/-on 12.02.19.2.LOA issued to M/s Mectron Control & Panels on 06.06.2019.3.Call letter issued for materials.4. Location box foundation works started in BBQ-AVD.
6.	938 RRSK	Ernakulam – Shoranur– Palghat Erode – Chennai and Bangalore – Jolarpettai– Chennai – Anti Collision Device.	752400	03-04		0.07	5	1. The abstract cost is Rs.75.24 Crores. Detailed estimate for Rs.205.84 Crores has been sent to Railway board on 16.01.2009 duly vetted by Accounts & with the approval of G.M. 2.Work freezed by Railway Board.
7.	939 RRSK	Ennore –Gummidipundi –Replacement of Conventional DC Track Circuit by Audio Frequency Track Circuit incl. Repl. of sigg. Cables (32 Km.)	179807	04-05		92.37	70	1. AFTC commissioned in GPD-KVP and KVP-PON sections. 2. Works pending on 3 sections. PON-MJR, MJR-AIP and AIP-ENR sections. Construction of huts started. 3.M/s VNR construction has gone for liquidation and could not complete the work. Work has been terminated on 16.11.18. Final material reconciliation completed. Measurement Book recording completed. Awaiting acceptance by contractor. 4.Tender called for balance work and opened on 25.03.19 but discharged due to high rates. 5. Retender opened on 10.06.19 for balance 51 Nos of AFTC out of a total of 94 Nos. 6.LOA issued to M/s SS Rail Works on 12.08.19. AFTC materials supplied by contractor during Feb 2020 and work to be commenced. 7. Revised Estimate vetted by Finance on 04.10.19 and GM sanction obtained on 22.11.19.

4. Matter Relating to S & T Projects/chennai

Sl. No.	PB/ LAW No(19-20) & Allocation	Description of Work	Latest Cost (Rs in 1000s)	Initial Year of Inclusion	Completed during the year	Approx. Financial Process upto 31.03.2020	Physical Progress upto 31.03.2020	Remarks
1	2	3	4	5	6	7	8	9
8.	941 RRSK	Train Management System on Chennai Beach Sullurupettai, Chennai Beach-Velachery, Chennai Beach-Chengalpatu & Chennai Central – Arakkonam Sections – Southern Railway.	385800	10-11		0.07	5	1.The detailed estimate for Rs.38.58 Crores is sanctioned on 06.09.2011.2.The work is frozen as per Board's instructions on 12.11.2012 and tender has been discharged. 3.Work has been defreezed by Railway Board on 01.11.2018.4.Draft revised estimate for 7 control boards sent to Railway Board for approval on 20.05.2019.5 Approval received from Railway Board on 06.08.19.6.Detailed estimate under Finance vetting.
9.	942 RRSK	BBQ-AJJ Section (Slow Line)–Provision of Train Protection Working System (TPWS)	308142	10-11	2016	97.79	100	1.Contract has been awarded to M/s.Thales India Pvt. Ltd., on 10.04.2014. 2.Works completed and commissioned on 21.12.2016. 3.M/s Thales have submitted final safety case documents for scrutiny by Railways. Safety case documents sent to RDSO/LKO for approval on 23.01.18.Case file returned by RDSO for doing scrutiny at Zonal Railway Level. 4.As made documents handed over to Division. 5.PAC issued on 26.03.18 & 10.09.18. 6.The contract includes 3 years of warranty. Warranty started on 12.09.18. 7.The contract also includes 5 years of AMC after warranty period i.e after issue of FAC.
10.	943 RRSK	Arakkonam–Jolarpettai – Train Protection & Warning System – 150 RKM.	2479600	11-12		0.94	5	1.Railway Board vide Letter No.2017/ Sig/Modernization dated 24.05.2018 has freeze the work.2.Tender called but discharged on 30.07.2018.
11.	944 RRSK	Chennai Beach – Tambaram – Chengalpattu – Train Protection & Warning System – 60 RKM.	890268	11-12		5.82	5	1.Railway Board vide Letter No.2017/ Sig/Modernization dated 24.05.2018 has freeze the work.2.Tender called but discharged on 01.08.2018.
12.	945 RRSK	Salem Division – Replacement of Universal Axle Counter with Single Section Digital Axle Counters (5 Intermediate Block Sections)	70851	12-13		123.90	75	1.LOA issued on 11.06.18. 2. TNT-IB-KPPR section HASSDAC commissioned on 30.12.18. 3.KEY-SLY section HASSDAC commissioned on 24.09.19. 4.MAP-BDY section, HASSDAC commissioned on 08.01.20. 5. Work in progress in UKL-TUP and yet to start in DC-MVPM.
13.	946 RRSK	Southern Railway – Integrated Power Supply (131 left over Stations - MAS-37, SA-31, PGT-49, TVC-14)	240488	13-14	2019	93.18	100	1.87 Nos. (MAS-24,SA-31,TVC-13&PGT-19) procured. 2. Works contract awarded for installation of IPS. 3.Execution of installation of IPS in PGT and TVC Dn has been entrusted to Dy.CSTE/P/PTJ.

4. Matter Relating to S & T Projects/chennai

Sl. No.	PB/ LAW No(19-20) & Allocation	Description of Work	Latest Cost (Rs in 1000s)	Initial Year of Inclusion	Completed during the year	Approx. Financial Process upto 31.03.2020	Physical Progress upto 31.03.2020	Remarks
1	2	3	4	5	6	7	8	9
								4. Total IPS commissioned as on date. (MAS-21/21, SA-23/23,TVC-13/13 & PGT-16/16).
								5. Installation of IPS at all the 4 Divisions completed.
								6.Work deleted from PB 2020-21.
14.	947 RRSK	Palghat Division – Dual Detection by Single Section Digital Axle Counters at track circuits and provision of earth leakage detector. (SRR,NTVT, OTP,TIR,KN,WRA,BDJ, MHE,TAZ)	40882	13-14		113.79	70	1.Detailed estimate sanctioned for Rs.4.08 Crores on 22.04.2014. 2. LOA issued in favour of M/s Arihant Con World on 21.03.2016. 3.45 Nos of ELDs installed at different locations over PGT Dn. 4. SRR commissioned on 19.06.17 and NTVT (D/L)commissioned on 06.03.19 and (U/L) on 08.03.19. 5.HASSDAC commissioned on track circuit No.2T at Tirur Bridge in TIR Station on 31.12.2019. 6.Power supply is through and system to be energised at OTP. 7.For OTP PCSTEs remarks compliance to be submitted.8. SRR,WRA,WAR,TIR & NTVT has been commissioned so far. Balance work in progress in BDJ,MHE,PYZ,CAN and KN.
15.	948 RRSK	Chennai Division – Replacement of Electro Mechanical Signalling arrangements - 1 Station – B Route and 3 Stations- E-Route	141361	13-14	2019	103.69	100	1.PAB commissioned on 23.12.2018. 2.PTMS (EI) and PTMS - E depot (PI) commissioned on 29.06.2019. Work completed and commissioned. 3.As made approved and Station handed over to Division. 4.Work deleted from PB 2020-21.
16.	949 RRSK	Chennai Beach – Villupuram, Arakkonam –Jolarpettai & Chennai – Gudur – Backup power supply Auto Sections.	189923	14-15		101.16	80	1.Detailed Estimate sanctioned on 04.11.2015. 2.LOA's issued for MAS-GDR Section on 23.05.16 MSB-CGL on 27.07.16 AJJ-JTJ on 21.09.16. 3.So far PON-GPD,KVP-PON, ELR-GPD, AKM-TADA, KOK-TNP, TNP-TVT, TVT-ENR, MJR-PON, MJR-AIP & AIPP-ENR & MLPM-CTRE,CTRE-MDVE, MDVE-SHU, SHU-TUG,TUG-WJR, KVN-GYM,GYM-VLT & VLT-MPI sections been commissioned. 4.MPI-PCKM section commissioned on 05.10.19 and MCN-THL section commissioned on 10.10.19. 5.6 Huts in MAS-GDR and 12 huts in AJJ-JTJ section completed. 6. EIG approval for ATs in AJJ-JTJ section under process. 7. Cumulatively MAS-GDR: 10/18, AJJ-JTJ: 10/20 and MSB-CGL:0/10 sections backup supply provided. 8. Work in MSB-TBM section will be done along with MSDAC work.

4. Matter Relating to S & T Projects/chennai

Sl. No.	PB/ LAW No(19-20) & Allocation	Description of Work	Latest Cost (Rs in 1000s)	Initial Year of Inclusion	Completed during the year	Approx. Financial Process upto 31.03.2020	Physical Progress upto 31.03.2020	Remarks
1	2	3	4	5	6	7	8	9
								9.AKM-TADA 230V conversion and TADA-SPE 230V conversion planned for commissioning shortly. 10. Balance sections works are in progress.
17.	950 RRSK	Madurai Division- Integrated Power Supply with Solar Panel(23 Stations)	50421	15-16	2019	39.98	100	1.Work completed and commissioned. 2.Work deleted from PB 2020-21.
18.	951 RRSK	Jolarpettai- Repl of Route Relay Interlocking and A, B & C Cabins	275899	15-16		55.67	40	1.Detailed Estimate sanctioned for Rs.27,58,98,759/- 2.Revised JPO signed with Chennai Division signed on 23.05.2019. 3. LOA for outdoor works issued on 23.01.19 and LOA for indoor woks issued on 26.09.19. 4. Construction of main S&T Building started. Work at 4 other buildings also started. 5.SIP (stage-1) approved by PCSTE. TOC approved and submitted to OEM. 6.Cable laying 110/130 Km completed. Trenching 22/22 Km completed. Location box Foundation and erection completed. Signal Foundation and erection 30/66 completed.Glued joints (99/155) provided. 7.S&T accommodation building Ground floor and First floor work completed in G+2 building and handed over. Other finishing works in progress. 8.Indoor works in progress. Relay rack wiring in progress. 9.FAT completed for Auxiliary cabin.FAT for main RRI completed. 10. SAT completed for Main and Auxiliary cabins 11.CRS sanction received. 12. TSSA sanction is to be received from RDSO/LKO
19.	952 RRSK	Velliyanai,Palaiyam & Eriodu - Repl of panel interlocking with Electronic Interlocking (D-Route)	181017	15-16	2020	64.46	100	1.Detailed estimate sanctioned on 15.07.2016. 2.LOA issued for outdoor work to M/s Arihant Con, Kolkatta on 08.01.18. 3.Indoor tender LOA issued on 27.07.18. 4. VEI Commissioned on 28.02.2019 and handed over to Division on 30.09.19. 5. PALM - Commissioned on 29.03.19. and handed over to Division on 27.09.19. 6. EDU-commissioned on 17.10.19. 7.BPAC (HASSDAC) 1 No commissioned in EDU-DG section on 30.01.20 8.Work deleted from PB 2020-21.

4. Matter Relating to S & T Projects/chennai

Sl. No.	PB/ LAW No(19-20) & Allocation	Description of Work	Latest Cost (Rs in 1000s)	Initial Year of Inclusion	Completed during the year	Approx. Financial Process upto 31.03.2020	Physical Progress upto 31.03.2020	Remarks
1	2	3	4	5	6	7	8	9
20.	953 RRSK	Doddampatti,Lokur & Tinnapatti-Repl of panel interlocking with electronic interlocking (D-Route)	196547	15-16	2019	95.55	100	1. Work completed. (a)TNT- Commissioned on 30.12.18. (b)LCR - Commissioned on 19.03.19. (c)DPI:- commissioned on 22.07.19. 2.BPAC(HASSDAC)-2 Nos (Up & Dn Line) commissioned in (a)DPI-MAP section on 28.10.19. (b)DPI-DST section on 21.11.19. 3.As made approved and station handed over to Division. 4.Work deleted from PB 2020-21.
21.	954 RRSK	Tiruchchirappalli-Karaikudi-Manamadurai-Optic fibre cable communication arrangement incl.SDH and PD-MUX with redundant power supply arrangement (151Rkm)	71291	15-16	2019	93.26	100	1.Work completed and commissioned. 2. Section handed over to Division on 01.10.19. 3.Final measurement recorded. 4.Work deleted from PB 2020-21.
22.	955 RRSK	Podanur-Palakkad-Repl of obsolete paper insulated quad communication cable with 6 quad cable (RE) (49Rkm)	37570	15-16	2019	69.52	100	1.Tender awarded for outdoor 6 Quad cable laying work on 08.12.2016. 2.Work to be executed combinedly with LAW 962. 3. PTJ-MDKI, MDKI-ETMD, PTJ-PGT, ETMD-WRA (A&B Line) & WRA-CLMD-KJKD-KTKU commissioned. 7 B/s out of 9 B/s completed. All the circuits has been changed over on new 6 Quad cable. Trenching and cable laying is completed in WRA-KJKD B line. 4.EMC jointing and wiring work in progress. 5. Indoor work: SDH, PDH systems installed and commissioned. Circuits migrated and Handed over to Division. 6.Work deleted from PB 2020-21.
23.	956 RRSK	Salem - Provision of IPS for Non-Blanking of signals at leftover 4 stations/8 IBS locations over Salem Division.(4 Stns -KLT, PET,KRR,SA8 IBS Locations - TPT-KEY KEY-SLY MAP-BDY BDY-BQI SA-VRPD VRPD-DC DC-MVPM UKL-TUP	53239	16-17		68.96	60	1.Detailed estimate sanctioned for Rs.5.32 Crs on 10.11.2016. 2. IPS materials supplied. 3. S&T Works LOA issued on 07.05.18. 4. Contract of construction of IPS huts at 7 IBS awarded by Engg/Dn. 5.4 IPS installed and commissioned at 4 stations and work completed. 6. IPS in TPT-KEY,KEY-SLY,SA-VRPD. DC-MVPM,MAP-BDY sections commissioned. 7.Work is in progress in other 3 sections.
24.	957 RRSK	Salem - Provision of Dual detection for on girder bridges at KEY, CBF, SNO, OML, SXT & at berthing tracks at TUP,ED	50180	16-17		77.66	40	1.Detailed estimate sanctioned for Rs.5,01,79,845 on 30.01.2017. 2.S&T LOA issued on 21.04.18. 3. KEY, CBF & SNO to be provided with HASSDAC.

4. Matter Relating to S & T Projects/chennai

Sl. No.	PB/ LAW No(19-20) & Allocation	Description of Work	Latest Cost (Rs in 1000s)	Initial Year of Inclusion	Completed during the year	Approx. Financial Process upto 31.03.2020	Physical Progress upto 31.03.2020	Remarks
1	2	3	4	5	6	7	8	9
								4. TUP,ED, OML & SXT to be provided with MSDAC. 5. MSDAC materials(42 DPs) and 6 HASSDAC equipment received. 6.HASSDAC materials received. 7.Site survey completed at KEY,CBF and OML. Work is in progress at KEY.
25.	958 RRSK	Chennai Dn.-Provision of Dual detection using MSDAC in Chennai Egmore and other than berthing tracks of Chennai central.	108838	16-17		72.95	65	1. Detailed estimate sanctioned for Rs.10,88,38,346 on 25.04.2017 2. Combined tender called for PB 958, LAW 936 and LAW 977. LOA issued to M/s SS Rail works on 02.03.18. 3. MSDAC materials for MAS &MS Stations received on 25.03.19. 4.Site survey completed and approval for cable trenching and laying obtained from Division. 5. Cable trenching, location box erection and cable laying started at MAS yard. Indoor works at MAS completed by 80% 6. Work to be started at MS yard
26.	959 RRSK	Chennai Egmore - Tambaram - Replacement of Existing AFTC on A&B lines by MSDAC in Auto section of Chennai Egmore(MS)- Tambaram (TBM) section.	172804	16-17		84.87	41	1.Detailed estimate sanctioned for Rs.17,28,03,769/- on 06.09.2017. 2. Combined tender called for PB959 and 966. 3. Construction of MSDAC huts in progress by Chennai Division. 4.Resetting procedure for MSDAC in auto section to be finalized. 5. S&T Tender floated on 16.02.19 and opened on 22.03.19. 6.LOA issued on 21.10.19. Survey completed by OEM and DP plan is under preparation. 7. It is proposed to have centralised signalling system by keeping Relays at the Hut itself. Hence, it is proposed to construct additional Huts near to AFTC huts. Tender opened for additional huts on 14.10.19 and finalized during Feb 2020. Hut marking given and work to be started 8. 94 DPs supplied by the contractor
27.	960 RRSK	Shoranur Jn - Tiruvananthapuram Central - Provision Multi Section Digital Axle Counters (MSDAC) at IPL, MVLK, KYJ, QLN and KCVL Stations in TVC Division	159784	16-17		89.77	65	1.Detailed estimate sanctioned for Rs.15.97 Crs on 24.11.2016. 2.S&T LOA issued on 12.07.18. MSDAC materials received. 3. Out of 5 Huts 4 huts(MVLK,QLN,KYJ,KCVL) completed and one hut at IPL in progress. 4.Site survey completed. 5.MSDAC materials received.6.All station RD sent to firm for designing. MVLK design ready and rack supplied by firm for installation.

4. Matter Relating to S & T Projects/chennai

Sl. No.	PB/ LAW No(19-20) & Allocation	Description of Work	Latest Cost (Rs in 1000s)	Initial Year of Inclusion	Completed during the year	Approx. Financial Process upto 31.03.2020	Physical Progress upto 31.03.2020	Remarks
1	2	3	4	5	6	7	8	9
28.	961 RRSK	Provision of Integrated Power supply arrangements to left over 28 Stations in TPJ Division	47061	16-17	2019	110.63	100	1.Detailed Estimate sanctioned for Rs.4,70,61000 on 05.07.2016 2. LOA issued on 27.01.18. 3. IPS commissioned at all stations in TPJ Division. 4.Work completed. 5.Work deleted from PB 2020-21.
29.	964 RRSK	SRR-CLT BPAC With Single section Digital Axle Counters (11 Block Section)	144053	17-18		64.06	40	1.Detailed estimate for Rs.14,40,53,000 on 01.09.2017. 2. LOA issued on 18.07.18. 3.10 sets HASSDAC supplied and balance awaited. 4. 6 Quad cable of 150 Km received. 5. SIP approved for all 11 Block sections. 6. Cable laying completed for 40 Km. 7.24 Nos of RTU box casted. 8.TIR-TUA section commissioned on 31.01.2020. 9.PCSTE sanction for TUA-KTU and FK-KUL obtained and work is in progress.
30.	965 RRSK	BBQ-AJJ-JTJ Dual detection using MSDAC with DCTC Audio Frequency Track Circuiting in Section	668653	17-18		0.08	15	1.Scope reduction received from Railway Board for BBQ-AJJ section. 2.Detailed estimate sanctioned for Rs.66,86,53,150/- on 30.09.2019. 3.Survey completed. 4.It is proposed to split and call for 3 separate tenders for BBQ-AVD, AVD-KBT and KBT-AJJ sections. 5.Tender called for and opened on 30.12.2019. Technical TC finalised and Financial Bid opened during Feb 2020. 6. Negotiation conducted for KBT-AJJ work and for balance two tenders negotiation yet to be conducted.
31.	966 RRSK	MSB-TBM Dual detection using MSDAC with DCTC Audio Frequency Track Circuiting in Suburban Auto Section	186045	17-18		26.90	20	1.Detailed estimate sanctioned for Rs.18,60,45,283/- on 20.11.17. 2. Composite tender called for PB 959 and 966. 3. Construction of MSDAC huts in progress by Chennai Division. 4. Tender floated on 16.02.19 and opened on 22.03.19. 5.LOA issued on 21.10.19 for signalling works. Survey completed by OEM. DP plan under preparation.
32.	967 RRSK	MAS-GDR-TPWS on board equipment in balance EMUs	303259	17-18		0.05	10	1. Detailed Estimate sanctioned for Rs.30.32 Crs. on 30.08.2017. 2. Work freezed by RB and subsequently agreed to go ahead with work on 14.12.2018. 3.Retender opened on 17.06.2019 and LOA issued to M/s Hitachi Rail STS India on 16.12.2019.

4. Matter Relating to S & T Projects/chennai

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1	2	3	4	5	6	7	8	9
33.	939 RRSK	Chennai Division – Improvement of existing Data Logger & RTU Network on ASTE/AJJ Section. [To be executed along with PB 1003 of 2017-18]	9848	14-15	2019	82.95	100	4. Survey completed and report submitted by the OEM on 23.03.2020 and the same was forwarded to Sr. DEE/RS/AVD for further approvals. 5. TPWS materials for Trial section was made ready in Italy and France. After lifting of lockdown at respective countries the material will be despatched to India for installation and Trail rake testing.
34.	940 RRSK	Chennai Division – Provision of Remote Terminal Unit [RTUs] in PYA-GDR Section.	5991	15-16	2019	62.63	100	1.Work completed. 2. Final bill payment completed. 3.Proposed for deletion in 2020-21.
35.	943 RRSK	Replacement of Balance Jeumont track circuit by SSDAC and QBAT at MAS in Chennai Division. (To be executed along with PB 958)	6758	16-17		9.77	5	1. Detailed estimate sanctioned for 67,57,910/- on 11.05.2017. 2.Work to be executed combinedly with PB 958 and LAW 949. 3. LOA issued on 02.03.18. 4. MSDAC materials for MAS &MS Station received on 25.03.19 respectively. 5.Site survey completed and approval for cable trenching and laying obtained from Division. Work started and in progress.
36.	946 RRSK	Replacement of existing universal axle counters by SSDAC at Ichchiputtur (IBP) in AJJ-TRT section in Chennai Division.	24508	18-19		0.51	5	1.Detailed Estimate sanctioned for Rs.2,45,07,764/- on 20.05.2019. 2.Tender opened on 13.08.2019. 3.Negotiation done on and LOA issued on 06.11.19 to M/s Venkata Rami Reddy, Kadapa. 4. Trenching and cable laying work is in progress. 2Km trenching and cable laying pending out of 14 Kms. 5.MSDAC materials yet to receive due to want of funds.
37.	947 RRSK	Chennai Division Provision of Invertors at Stations for signals to avoid blanking of Signal Phase-I	22126	12-13	2016	86.87	100	Work completed and commissioned on 31.12.2016.
38.	949 RRSK	Replacement of Jeumont track circuit by SSDAC and QBAT at MAS in Chennai Division.(To be executed along with PB 958)	6325	16-17		6.96	5	1. Detailed estimate sanctioned for 63,24,620/- on 11.05.2017. 2.Work to be executed combinedly with PB 958, LAW 943. 3. LOA issued on 02.03.18. 4. MSDAC materials for MAS &MS Station received on 25.03.19 respectively. 5.Site survey completed and approval for cable trenching and laying obtained from Division. Work started and in progress.

4. Matter Relating to S & T Projects/chennai

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1	2	3	4	5	6	7	8	9
39.	950 RRSK	Avadi EMU/AVD : Provision of Public Address System in EMU/MEMU suburban trains-5MC +100TC	9963	17-18	2020	0.00	15	1.Work re-allotted to Sr.DEE/RS/AVD for execution vide CSTE/MAS Lr.No.SG.242/Planning / Allotment / Vol.III dated 19.07.17. 2.Estimate sanctioned for Rs.99,63,416/- on 04.10.2017. 3. LOA issued on 04.03.2019.4.Firm yet to start the work.
40.	962 RRSK	Replacement of obsolete RE communication cable with 6 quad cable in KJKD-WRA 'B' line and WRA-CLMD 'A' line section.	11106	14-15		120.53	70	1.Tender awarded for outdoor 6 Quad cable laying work on 08.12.2016. 2.Work to be executed combinedly with PB 955. 3. Outdoor works:-i)KJKD-WRA 'B' Line (12.34Km) cable laying completedii) WRA-CLMD'A' Line (5.5Km) completed and block circuit changed over. 4. Indoor work: SDH, PDMUX, Power plant supply and installation completed and commissioned.
41.	966 RRSK	Madukkarai:- Provision of Electronic Interlocking in connection with removal of Scissors cross over at PGT end.	26632	17-18	2019	122.55	100	1. Work completed and Commissioned on 13.5.19. 2.Station handed over to Division. 3.Detailed estimate revised for Rs.4,43,98,300/- and sanctioned on 20.01.20. 3.Work proposed for deletion in 2020-21.
42.	967 RRSK	Provision of Redundancy for track detection using multi section digital axle counter (MSDAC) at KOZHIKKODE (CLT) Station.	12957	12-13	2019	67.37	100	1. Work completed and Commissioned on 15.11.19.
43.	991 RRSK	Trivandrum Division – Replacement of SM's Slide Operation of Signals & Points by Panel Interlocking at PNQ Station.	21264	11-12	2019	84.29	100	1.PNQ commissioned on 30.06.2019. 2.As made documents approved. 3. Station handed over to Division on 14.11.19. 4.Work proposed for deletion in 2020-21.
44.	63 RRSK	TPJ Division - Interlocking of Level crossings (19 Nos)	104177	18-19		20.37	10	1. Detailed estimate sanctioned for Rs.10,41,77,107/- on Dt.04.04.19. 2.Tender for S&T building work opened on 10.10.19 and LOA issued. 2.S&T LOA issued to M/s Venkata Rami Reddy on 31.10.19. 3.Call letter issued for supply of materials.4.Work in progress at LC 82.
45.	73 RRSK	Southern Railway – Solar Panel power supply arrange- ments for Mid- Section Level Crossing Gates.	74512	13-14		59.49	40	1.Detailed estimate is sanctioned on 04.08.2015. 2.LOA issued on 03.03.2018. 3.Materials received. 4.Due to section changed over from Non RE area to RE area, it is proposed to do the work for 29 LCs only.5.Installation under progress at 4 LCs of MDU Division.

4. Matter Relating to S & T Projects/chennai

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1	2	3	4	5	6	7	8	9
46.	74	Trivandrum – Ernakulam – Trichur – Improvements to communication arrangements at all level crossings (395 Km.)	79851	13-14		92.47	72	1.Outdoor 6 quad cable laying work awarded on 28.04.2017. 2.Cable received from M/s Gee cab defective (non standard. not as per RDSO spec). 3. Indoor work : RCIL completed installation of SDH & PDH equipments at 42 stations. Migration is in progress and pending works being attended. 4. Final measurement recorded and contract under closure.
47.	75 RRSK	Shoranur – Kozhikode – Mangalore - Improvements to communication arrangements at all level crossings (85 Km.)	65373	13-14		112.66	69	1.Outdoor 6 quad cable laying work awarded on 28.04.2017. 2.Cable received from M/s Gee cab defective (non standard. not as per RDSO spec). 3. Indoor work : RCIL completed installation of SDH & PDH equipments at 27 stations. Pending works being attended. 4. Final measurement recorded and contract under closure.
48.	77 RRSK	Ernakulam–Alappuzha – Kayankulam – Interlocking of Level Crossing Gates (42 Nos.)	275850	14-15		77.24	75	1.LOA issued on 07.11.2016. 2.Construction executing work at 3 LCs in AMPA-HAD section along with doubling. 3.Total 33 LCs out of 39 LCs commissioned. 4.Work in progress at balance 7 LCs.5. CRS papers for LC 147 ,148 are ready and to be submitted to CRS/SBC.6. LC 125 Commissioned on 15.03.2020.
49.	78 RRSK	Chennai Division – Interlocking of manned Level Crossing Gates (26 Nos.)	125204	14-15	2020	85.92	100	1.Work completed and commissioned. 2.All 26 LCs commissioned against this work (23 by projects and 3 LCs by Division) 3. Pending works are being attended
50.	79 RRSK	Chennai Division – Interlocking of Level Crossing Gates (8 Nos.)	43329	14-15	2020	110.73	100	1.All LCs are commissioned and work completed. 2.Pending works are being attended 3. FVS and Material statement are under process.
51.	80 RRSK	Trivandrum Division- Interlocking of Level Crossing Gate Nos. 63,51,39,88, 26	43328	15-16		134.31	80	1.Estimate sanctioned on 23.09.2016. 2.LOA for S&T works issued on 21.06.2017. 3. Three LCs (39, 51 & 26 by CN) have been commissioned 4.LC 63 commissioned on 28.12.19.5.Work in progress in LC 88.
52.	81 RRSK	Chengalpattu- Arakkonam & Chennai Egmore-villupuram- Interlocking of Level crossings (Gate No.19,21,35,43, 44,47,48 & 56,57,79 (10 Nos.)	51169	15-16	2020	98.70	100	1.Work completed and commissioned. 2.Out of 10 LCs, 3 LCs in CGL-VM dropped due to LUS work.Balance 7 LCs commissioned. 3.Pending works are being attended. 4. FVS and Material statement are under process

4. Matter Relating to S & T Projects/chennai

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1	2	3	4	5	6	7	8	9
53.	86 RRSK	Chennai Central-Improvement to communication facilities for Level Crossing Gates (160 Nos)	102862	16-17		59.09	35	1.Detailed estimate sanctioned on 16.03.2017 for Rs.10,28,62,440/ 2. 6 Quad cable received. 3. Retender floated and opened on 11.03.2019. Tender discharged. 4.Refloated on 06.05.2019 for MAS-AJJ-JTJ, MSB-GDR, MSB-VM and AJJ-CGL sections and opened 10.06.2019. 5.LOA for MAS-AJJ-JTJ section awarded to M/s Balaji Engineering Chennai on 22.10.19.Trenching and cable laying for 12Kms completed and balance is in progress. 6.AJJ-CGL-VM section tender opened on 21.11.19 and LOA issued on 20.01.20 to M/s Balaji Engineering, Chennai. 7.MSB-GDR section tender discharged and work will be carried out along with MSDAC work.
54.	101 RRSK	Chennai Division : Interlocking of LC gates no. 2B in MAS-GDR, LC No.3 in PRJ-PTMS, LC No.12 in CGL-AJJ & associated works at LC gates in MAS Div.	24864	18-19	2020	24.16	100	1.Detailed estimate sanctioned for Rs.2,48,64,180/- on Dt.07.03.2019. and LOA issued. 2.All the 3 LCs interlocked and commissioned. 3.Work completed.
55.	102 RRSK	MDU Division – Proposed Interlocking of Level crossing Gates 295, 296, 297 & 298 between DG-MPA Section.(4 Nos.)	24032	18-19		0.00	10	1.Detailed estimate sanctioned for Rs.2,40,32000/- on 18.06.19. 2.For S&T portion alone open tender called by making two tenders of 6+6 LCs. (LAW 102,103,132) 3.For 6 LCs (295, 296, 297,298,266 & 268) tender opened on 15.11.19. No offer received and discharged. Refloated for 4 LCs -295,296,297 & 298 and opened on 03.1.2020. Negotiation completed and LOA issued on 22.02.20. 4. LOA issued for building by Division.
56.	103 RRSK	MDU Division – Proposed Interlocking of Level crossing Gates 266, 268, 274 & 278 between MPA-TPJ Section.(4 Nos.)	24639	18-19		0.00	10	1.Detailed estimate sanctioned for Rs.2,46,39000/- on 18.06.19. 2.For S&T portion alone open tender called by making two tenders of 6+6 LCs.(LAW 102,103,132) 3.For 6 LCs (295, 296, 297,298,266 & 268) tender opened on 15.11.19. No offer received and discharged. Re-floated for 2 LCs 266 & 268 and opened on 03.1.2020.Negotiation completed and LOA under issue. 4.For the 2 LCs 274,278 and 4 LCs 325,329,330 & 347 single tender floated and opened. First negotiation conducted on 12.12.19 and 2nd negotiation conducted on 03.01.2020. LOA issued on 28.01.20. 5.LOA issued for building by Division.

4. Matter Relating to S & T Projects/chennai

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1	2	3	4	5	6	7	8	9
57.	132 RRSK	MDU Division – Proposed Interlocking of Level crossing Gates 325,329,330 & 347 between MDU-DG Section.(4 Nos.)	24094	18-19		0.00	10	1.Detailed estimate sanctioned for Rs.2,40,94,000/- on 18.06.19. 2.For S&T portion alone open tender called by making two tenders of 6+6 LCs.(LAW 102,103,132) 3.For the 4 LCs 325,329, 330 & 347 and 2 LCs 274,278, single tender floated and opened. First negotiation conducted on 12.12.19 and 2nd negotiation conducted on 03.01.2020. LOA issued on 28.01.20. 4.LOA issued for building by Division.
58.	133 RRSK	MDU Division – Proposed Interlocking of LCs 3 Nos.-LC NO.24 @Km 31/9-32/0, LC No.25 @Km 32/5-6 IN TEN-SMDBlock section AND LC No.17 @Km 26/3-4 IN TAY-TEN Block section.	23991	18-19		0.00	10	1.Detailed estimate sanctioned for Rs.2,39,91000/- on 18.06.19. 2.LOA issued for LC 24 & 25 to M/s Yeshwant Constructions, Kadapa on 12.11.19. 3.LOA issued for LC 17 & 459 to M/s Santhanamari Enterprises, Tuticorin on 21.11.19. 4.LOA issued for building by Division.
59.	134 RRSK	MDU Division – Proposed Interlocking of LCs 4 Nos.- LC NO.27A@Km 34/0-1, LC No.28 @Km 34/6-7, LC No.32 @Km 38/8-9, LC No.35@Km 42/6-7 IN TEN-SMD Block section.	24752	18-19		0.00	10	1.Detailed estimate sanctioned for Rs.2,47,52000/- on 18.06.19. 2.LOA issued for LC 27A & 28 to M/s Unified Signal & Transportation systems, Krishnagiri on 21.11.19. 3.LOA issued for LC 32 & 35 to M/s Sushma Pramod Constructions, Bangalore on 21.11.19. 4.LOA issued for building by Division.
60.	135 RRSK	MDU Division – Proposed Interlocking of Level crossing Gates No.30,31 in TPC-MNM Block section & LCNo.459 in MNM-SUX Block section in MDU Dn.	23106	18-19		0.00	10	1.Detailed estimate sanctioned for Rs.2,31,06000/- on 18.06.19. 2.LOA issued for LC 30 & 31 to M/s Yeshwant Constructions, Kadapa on 21.11.19. 3.LOA issued for LC 17 & 459 to M/s Santhanamari Enterprises, Tuticorin on 21.11.19. 4.LOA issued for building by Division.
61.	140 RRSK	Palghat Division – Laying of Power Cable to Mid-section LCs from SRR to NIL (Non-RE area- 5 LCs)	25099	12-13	2019	92.38	100	Work completed and commissioned.
62.	150 RRSK	Palakkad Division : Interlocking of 3 LC gates in KLGD- MMDA-MXM section (LC Nos. 23,27 &31)	24666	18-19		24.16	10	1.Detailed Estimate sanctioned for Rs.2,46,66,000/- on Dt. 22.02.19. 2.LOA issued to M/s Sai Krishna Engg on 19.08.19. 3.LC 23 & 27 commissioned on 29.02.20. 4.Work in progress at LC 31. 5.CRS sanction received for LC 31.

4. Matter Relating to S & T Projects/chennai

Sl. No.	PB/ LAW No(19-20) & Allocation	Description of Work	Latest Cost (Rs in 1000s)	Initial Year of Inclusion	Completed during the year	Approx. Financial Process upto 31.03.2020	Physical Progress upto 31.03.2020	Remarks
1	2	3	4	5	6	7	8	9
63.	151 RRSK	Palakkad Division : Interlocking of 3 LC gates in PGTM-PDGM-KLGD section (LC Nos. 35,37 & 41)	24666	18-19		22.27	30	1. Detailed Estimate sanctioned for Rs.2,46,66,000/- on Dt. 22.02.19. 2. LOA issued to M/s Sai Krishna Engg on 19.08.19. 3.Engg tender for construction of huts awarded and work in progress. 4. LC 37 in KLGD-PDGM section commissioned on 31.12.2019. 5.Work in progress in LC 34 & 35. 6.CRS sanction recieved for LC 34 & 35.
64.	42 CAP	Salem Division – TIRUPPUR – Direct reception & dispatch for Goods Line.	11962	08-09	2017	336.43	100	1.Work completed and commissioned on 24.12.2017.
65.	45 CAP	Salem Division : Augmentation of line capacity of saturated sections.- Bommidi - Lokur, Vijayamangalam-Uttukuli & Vanjipalaiyam-Somanur-IBS	130254	15-16	2019	96.20	100	1. Modified Estimate sanctioned for Rs.13,02,53,878/- on 09.06.2017. 2. Outdoor and indoor LOA issued to on 09.06.18 & 22.06.18 and work is in progress. 3. IBS between VNJ-SNO stations commissioned on 11.03.19. 4. IBS between BQI-LCR stations commissioned on 19.03.19. 5. IBS between UKL-VZ stations commissioned on 28.09.19. 6. Work completed.
66.	46 CAP	Tikkotti - Vadakara - Intermediate block section	48238	16-17		101.79	45	1.Detailed estimate sanctioned on 05.05.2017 for Rs.4,82,38000/- on 05.05.2017. 2.LOA for outdoor works issued on 01.02.18 and for indoor works on 02.06.18. 3.Signal casting and erection completed. 4.Glued Joint work is in progress. 5.El installed at IGL and OC installation in TKT and BDJ in progress. 6.CRS Sanction is obtained. 7. All Kept ready for commissioning.
67.	47 CAP	Vadakara - Mahe - Intermediate block section	46909	16-17		64.89	45	1.Detailed estimate sanctioned on 05.05.2017 for Rs.4,69,09000/- 2.LOA for outdoor works issued on 01.02.18 and for indoor works on 02.06.18. 4.Outdoor works and Indoor works are in progress. 5.El installation in progress. 6.CRS Sanction is obtained.
68.	48 CAP	Kumbala-Manjeshwar- IBS up & down lines in lieu of B Class Station	39673	17-18	2019	109.63	100	1.Work completed and commissioned on 04.10.2019.2.Pending works are being attended.

4. Matter Relating to S & T Projects/chennai

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1	2	3	4	5	6	7	8	9
69.	11 DF(3)	Madurai Division Milavittan – Provision of Sand Hump	3500	09-10	2014	96.15	100	1.Physical work completed and commissioned on 31.3.2014. 2.Final bill passed and SD released. 3.Work proposed for deletion in 2020-21.
70.	13 DF3	Palghat Division – Extension of Relay room for provision of signalling arrangements in connection with provision of calling-on signals below starter signals at MDKI.	4970	08-09	2016	197.79	100	1.Work completed and commissioned. 2. Closure of contract under process.
71.	14 DF(3)	Palghat Division – Palghat – Shoranur Section – Provision of an IBS on the UP Line between PGT-PLL.	11183	10-11	2015	146.95	100	1.work completed and commissioned on 12.10.13. 2.Handed over to Division on 05.03.15. 3.Final bill passed and SD released. 4.Work proposed for deletion in 2020-21.
72.	15 DF(3)	Palghat Division – Palghat – Shoranur Section – Provision of an IBS on the DOWN Line between PGT - PLL.	11183	10-11	2015	156.26	100	1.Work completed and commissioned on 12.10.13. 2.Handed over to Division on 05.03.15. 3.Final bill passed and SD released. 4.Work proposed for deletion in 2020-21.
73.	31 DF(3)	Provision of IBS sigg arrangements in QLN-PVU section and closure of MYV block station.	27251	15-16		18.37	40	1.Estimate sanctioned for Rs.2.72 Crs on 22.11.2016. 2. LOA issued on 28.09.2017 3.S&T building ready. 4.UFSBI and IPS installed and wiring completed. 5.Cable laying completed. 6.Signal foundation erection and location termination completed. 7.HASSDAC equipment installed. 8.6 out of 9 SM's slide replaced with SM's panel. 9.CRS sanction received. 10.Balance works in connection with commissioning in progress.
74.	752 DRF (S&T)	Erode Yard – Elimination of Scissor Cross over & relaying with six sets of 1:12 Points & Crossings.	52980	07-08	2017		100	Work completed and commissioned on 09.02.2017. CR to be drawn
75.	1133 CAP	Southern Railway - Integrated Security System at TVC,ERS, MDU,CBE, TPJ,CLT & MAQ(7 Stations)	305009	10-11	2017	91.18	100	1. Work completed , final bill passed asstes handed over to Division 2.Divisions entered AMC with M/s Nelco ltd for further maintenance.
76.	1134 CAP	Chennai-Integrated Security System at MAS,MS,MSB,MBM, TBM,BBQ & TRL over Chennai division.	111040	10-11	2017	80.36	100	1. Work completed , final bill passed asstes handed over to Division 2. Divisions entered AMC with M/s Nelco Ltd for further maintenance

4. Matter Relating to S & T Projects/chennai

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1	2	3	4	5	6	7	8	9
77.	1234 DF1	MDU & TPJ Dn : Provision of CCTV Network for PRS counters at 21 stations (MDU Division -13 Stns & TPJ Division-8 Stns.	22449	17-18		0.38	20	1.Detailed Estimate sanctioned for Rs.2,24,48,856 on dt.12.10.17 2. LOA issued to M/s Shakuntala Enterprises, Jalagoan on 22.08.19. 3. Materials under inspection. 4.Funds required to meet contractual obligations. 5.Vendor advised to supply the materials. 6. Joint Survey of all stations completed and drawings submitted to Division
78.	1272 DF1	Provision of CCTV networks for PRS locations of 8 'A1' and one 'A' class station viz.'A1 category - MAS, MS, MDU, TVC, CBE, ERS, CLT and TCR and 'A' category station - TPJ	12411	16-17		64.84	99	1. LOA issued to M/s Microplus Networking Ltd on 05.03.18. 2.System installed and commissioned at all the 8 A1 category stations and 1 A category station. 3. Final measurement to be recorded.
79.	1275 DF1	MAS Dn: Provision of CCTV Network for PRS counters at 13 stations of MAS Division.	18297	17-18		0.00	10	1.LOA issued to M/s Lookman Industries, Chennai on 22.06.18.for Rs.1,33,48,071/- 2. Contract terminated on 06.12.19 due to delay in supply of materials.
80.	1148 RRSK	Podanur (S&T Training Centre) - Provision of Training equipment	62097	16-17		61.86	30	1.Detailed estimate sanctioned by on 25.09.2017 for Rs.6,60,90,155/- and modified for Rs.6,20,97,165/- on 30.09.19. 2.LOA issued to M/s SS Railworks on 22.06.18 for execution along with DPI replacement works. 3. EI model of M/s Kyosan make along with new IPS commissioned at S&T/ Trg/Centre/PTJ on 29.09.19 4.Tender called for SIEMENS EI by Proj MS unit. Tender opened on 24.08.19 and LOA issued to M/s Arihant Constructions Ltd. on 10.11.19. EI materials received. 5.EI installation completed for Kyosan and Medha. 6. Siemens Westrace Mk-II EI materials are received during Mar 2020 and installation to be started after lifting of lockdown

5. Signal Equipment Failures

Sl. No.	Signal Failures	Number of Failures			
		Previous		Current	
		Year 2018-19	Year 2019-20		
I. On Signal Account :-		<i>Nos.</i>	<i>%</i>	<i>Nos.</i>	<i>%</i>
(a) In colour light Signalling area		2,4578	69.86	1,760	72.97
(b) In semaphore signalling area.		0	0.00	0	0
Sub-Total		2,457	52.18	1,760	72.97
II. On Account of others :-					
1. Operating Department	..	290	5.20	129	5.35
2. Mechanical Department	..	2	0.15	2	0.08
3. Engineering Department	..	314	16.77	166	6.88
4. Electrical Department	..	61	1.73	36	1.49
5. D. O. T.	..	0	0.00	0	0.00
6. Miscreant	..	54	2.02	26	1.08
7. Miscellaneous	..	293	19.92	256	10.61
8. S & T Construction	..	46	2.02	37	1.53
Sub-Total		1060	47.82	652	27.03
Total (I + II)		3517	100.00	2412	100.00

The percentage is worked out based on the grand total number of signal and interlocking failures both on S. & T. account and other account 5214.

6. S & T Workshop Podanur

Introduction

Signal and Telecommunication Workshop was set up on 09.04.1958 at Podanur to serve as manufacturing – cum repair unit for Signal Equipment. 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 equipment like Shelf Type Relays were taken up for production. Since then, this workshop has grown into a major manufacturing unit for Signal & Telecommunication products and supplies the same to the entire Indian Railways.

This workshop is managed by Chief Workshop Manager (CWM) with a team of Officers comprising of 03 S&T Officers [Dy.CSTE/WS/PTJ, Asst. Production Engineer (APE), Assistant Workshop Manager (AWM)], 01 Workshop Personnel Officer (APO), 01 Stores Officer [Asst. Materials Manager (AMM)] and 01 Accounts Officer [Assistant Financial Adviser (AFA)].

Development of Signaling Relays and Electronic Axle counters.

Gradually, the production of Shelf Type Relays was dispensed with and production of modern signaling items such as Q Type Relays, Axle Counters, Electronic Timers, Control cum Indication Panels (CCIP), Point machines etc. were taken up for production in this workshop with complete indigenous components which has helped in the commissioning of Modern Signalling like Route Relay and Panel Interlocking and partially in Electronic Interlocking in various Railways.

Production items

Presently, the workshop is producing Signalling Relays, L.C Gate Panels, Double Line Block Instrument, Token Less Block Instruments to suit Non-RE areas, LED Signals for

LC Gates, Token less Block Instrument with Universal Fail Safe Block Interface (TLBI with UFSBI) to suit RE area, All types of GRS Apparatus Cases, Electrically Operated Lifting Barrier Gates, IRS Point Machines (Both 143 mm & 220 mm Stroke), Polarized Relays, Fail Safe Delay Devices 60/120 sec. etc. The workshop has an auxiliary unit at Perambur/Chennai where the overhauling of Double Line Block Instruments and FM Daido Block Instruments, installed throughout Indian Railways, is being done. Apart from this, the Perambur unit also takes up the assembly work of Gate Warning Bell, Annunciator, TLD Boxes, E-Type Locks and FRP Road Warning Signals etc and Initial Charging of LMLA batteries.

Production Growth, Outturn and other achievements

The workshop manufactures various types of sophisticated Signalling Equipment for meeting the demand of Indian Railways in the commissioning of new signaling projects and replacement work.

Progressive growth in the Outturn of the workshop can be seen from the figures given below.

Sl. No.	Description	2019-2020 (Production less due to COVID-19 Pandemic lockdown)
01.	Q Type Plug in type Relays	52995
02.	IRS Point Machine (143 mm)	7690
	IRS Point Machine (220 mm)	53
03.	Token Less Block Instrument-Push button Type	60
04.	Double Line Block Instrument	176
05.	L.C Gate Panel	99
06.	Polarized Relay	530
07.	GRS Apparatus Cases Full	1226
	GRS Apparatus Cases Half	503

Details of Staff strength and Outturn per employee are as follows.

Year	Out-turn (In Lakhs)	Staff strength	Outturn per employee (In Lakh of Rs.)
2019 - 20	11545.46	767	15.05

❖ The Outturn per employee for the year 2019 - 20 Rs.15 Lakhs.

Incentive Scheme during the year 2019 - 20

The incentive scheme was introduced in this workshop from 1st August 1963. An average of 532 staff per month were covered under incentive scheme for the year 2019 - 20 respectively.

Quality Control

The pride of the workshop lies in its capacity to produce sophisticated signalling products of high standard and quality. Work shop received IMS (Integrated Management System) for 5. The five certifications are Quality Management System (ISO 9001:2015), Environment Management System (ISO 14001:2015), Occupational Health and Safety Management System (ISO 45001:2018), Energy Management System (ISO 50001:2018) and Food Safety Management System (ISO 22000:2018).

As per the Quality policy, this workshop is committed to manufacture and supply safety signalling equipment of consistent quality by continuous improvement. As a result, a lot of improvements were made and new fixtures were introduced in the production of Relays, Token Less Block 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 during the year 2019 - 20

- a) Umbrella work for Modernisation of Signal & Telecommunication workshops for a total value of Rs. 40 Crores (Approx) is sanctioned for S&T workshop, Podanur for the year 2019 - 20. Construction of EI building G + 2 storeyed, roof shuttering work for 1st floor work under progress.
- b) The following new items are developed and proposed to be manufactured in the workshop.
 - a) Developed 24 volt Electric Key Transmitter in S&T/WS/PTJ after trial test approval has been obtained from RDSO in the year 2020.
 - b) Emergency Control Panel developed for dealing the train at EI stations.

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 interconnected 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 Bill 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. The issue of passes (Privilege Pass, Post-retirement Pass) are done through computers. Computerized GAC system has been introduced in this workshop from 22.02.2016 onwards. IPAS Bill system has also been introduced.

Outsourcing of sub-assemblies and components

To meet the growing demand of vital products manufactured in the workshop, certain sub-assemblies and components of Q Relays, Point Machines and Electronic items are outsourced apart from in-house manufacture. Stock items are procured through Stores Department through procurement memo system.

Staff Welfare

The workshop is periodically inspected by the Inspector of Factories and instructions are strictly followed. An ISO 22000: 2018 (Food Safety Management System) certified 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 a separate Rest Room are functioning for the welfare of the women employees. For the benefit of all employees regular yoga programmes are being conducted.

Railway Sub-Divisional Hospital and Homoeopathic Dispensary are functioning near the workshop for the staff and their families.

The Railway Institute with Library and Reading room is available for staff recreation with facilities for various indoor games like Badminton, Carroms, Billiards, and Table Tennis etc. Outdoor facilities like Volley Ball court, Lawn Tennis court, Tennikoit court and Ball badminton court are also available for the staff and wards.

S&T Workshop/Perambur

S&T Workshop/Perambur is mainly a repair workshop. The workshop is functioning under the control of CWM/S&T/PTJ. The major activity of the workshop is overhauling of Double Line Block Instrument and Handle Type Block Instruments (FM type Diado). Apart from these overhauling activities, this workshop manufactures Electronic Gate Warning Bell, Annunciator, E Type Lock, Location Boxes, FRP Road Warning Signals and TLD Boxes (FRP). Initial charging of Batteries used in Signal and AC Locos also are undertaken in this workshop.

This is a Non-incentive workshop managed by an SSE and AWM/S&T/PTJ is the over all in-charge of this unit who visits 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 at Podanur is under the administrative control of CWM/S&T/PTJ. It is headed by Principal (Sr.Scale).

Mandatory courses like initial course for Apprentice ESMs & TCMs, Refresher Courses for ESMs & TCMs, Foundation Courses for ESMs & TCMs, promotional courses for Technician to JE, Modular courses for SSEs of Signal & Tele, Project saksham programme and Pre-promotional courses for SSE/JE for becoming Group B-Service, common courses like computer appreciation, Yoga & Meditation, Ayurveda, Equipment courses are conducted. Basic Fundamental courses for Helpers/Signal & Tele and interactive session networking configuration are also being conducted here.

Course details

Year	No of Course Conducted	Total No of Trainees
2019 - 20	134	1583

Basic Training Centre

A Basic Training Centre is functioning attached with S&T workshop/Podanur from 09/04/1993. Courses for Non-ITI Apprentice Fitters (Freshers), Ex-ITI Fitters, Turner, Welder and Machinist as per Apprentice Act 1961.

Year	Total No of Apprentice Trained
2019 - 20	57

**DETAILS OF TRAINEES WHO HAD UNDERGONE TRAINING FOR THE PERIOD
APRIL 2019 To MARCH 2020 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	5	5	135	135
2	Initial course for App.TCMs	3	3	109	109
3	Initial Course for Promoted JE/Sig.	4	4	16	16
4	Initial Course for Promoted JE/Tele.	2	2	9	9
5	Induction Helper Signal	3	3	64	64
6	Induction Helper Tele	4	4	26	26
7	Induction P. Way maintenance	1	1	40	40
TOTAL		14	14	269	269
II. REFRESHER COURSES					
1	Refresher course for ESMs.	10	10	351	351
2	Refresher course for TCMs.	5	5	63	63
TOTAL		15	15	414	414
III. FOUNDATION COURSES					
1	Foundation course for ESMs.	3	3	86	86
2	Foundation course for TCMs.	3	3	31	31
TOTAL		6	6	117	117
IV. PROMOTIONAL COURSES					
1	Promotional Course/Signal	3	3	8	8
2	Promotional Course/Telecom.	2	2	4	4
3	Promotional Course C to B	1	1	17	17
TOTAL		6	6	29	29
V. MODULAR COURSES					
1	Modular Course/Signal	3	3	15	15
2	Modular Course/Tele	3	3	11	11
TOTAL		6	6	26	26
VI. COMMON COURSES					
1	Safety Seminar	3	3	9	9
2	Computer appreciation	4	4	11	11
3	Civil defence	1	1	49	49
TOTAL		8	8	69	69
VII. EQUIPMENT COURSES (SIGNAL)					
1	Block Instrument Course	6	6	90	90
2	EI	7	7	76	76
3	Automatic Signal/AFTC	1	1	2	2
4	Point Machine & Track circuit	3	3	18	18
5	Sig. in RE, CLS & LED sig.	3	3	12	12
6	IPS & Data Logger.	4	4	57	57
7	BPAC/HASSDAC/SSDAC	4	4	23	23
8	Introduction to Ele. for ESMs	3	3	10	10
TOTAL		31	31	288	288
VIII. Special Courses/Signal					
1	1 day special course E I OEN	1	1	12	12
TOTAL		1	1	12	12

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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IX. (b) EQUIPMENT COURSES (TELECOMM.)

1	Data Communication, Railnet, PRS & UTS & Basic of networking.	4	4	15	15
2	Multiplexing techniques PDH/SDH	2	2	6	6
3	Making of cable route plan and its use, TTC including protection path testing and quad cable jointing	2	2	9	9
4	Switching System	2	2	7	7
5	Power supply system	2	2	7	7
6	Optical fibre communication & Splicing, measurements and fault diagnosis.	4	4	10	10
7	Modern communication, Mobile communication, NGN, IPDSLAM & MTRC.	3	3	10	10
8	Quad Cable	1	1	10	10
9	PA system, IPIS (Video Surveillance system)	3	3	8	8
TOTAL		23	23	82	82

X. Special Course/Tele

1	Nil	0	0	0	0
TOTAL		0	0	0	0

XI. Project saksham

1	Project saksham/Sig. Tech.	8	8	119	119
2	Project saksham/Signal Khalasi.	7	7	78	78
3	Project saksham/Tele. Tech.	3	3	18	18
4	Project saksham/Tele. Khalasi	3	3	19	19
5	Project saksham/SSE/Drg.	3	3	43	43
TOTAL		134	134	1583	1583
GRAND TOTAL		000	000	0000	0000

Sl. No.	Nature of course	seats allotted	seats utilised	% of utilisation
1	Initial Course	269	269	100%
2	Refresher Course	414	414	124%
3	Foundation Course	117	117	159%
4	Promotional Course	29	29	100%
5	Modular Course	26	26	10%
6	Common Courses	69	69	100%
7	Equipment Courses/Signal	288	288	100%
8	Special Courses/Signal	12	12	100%
9	Equipment Courses/Tele	82	82	100%
10	Equipment Courses/Tele	0	0	0%
11	Project saksham	277	277	100%
TOTAL		1583	1583	100%

X. भंडार/STORES

1.0 ORGANISATION OF STORES DEPARTMENT:

The Stores Department is taking care of Materials Management activity and is fully committed to arrange adequate quantity of materials of right quality, at right time, at right price from right vendor to a right consignee. To meet the requirements of various Departments adopting professional method of procurement, as many as **26 stores depots** are functioning, spreading over six Divisions of Southern Railway. The Stores department is procuring about **5363** stocked items required on regular basis, apart from procuring high value Non-Stock items centrally at Headquarters Purchase Office and materials of smaller value by individual field units. Sale of Scrap is also a prime activity of this department generating direct revenue which was to the tune of 283.87 Crores during 2019-20. Entire purchase and sale activities are done digitally on IREPS/iMMS platforms which has made the system more transparent and equitable for all participants. **Paperless Working was initiated in July-19 and subsequently 100% working through e-Office has been achieved in Stores Department.**

2.0. THE DETAILS OF STORES DEPOTS ARE AS UNDER:

2.1 GENERAL AND DIVISIONAL STORES DEPOTS:-

Sl. No.	Name of the depot (Depot Code)	Brief function	No. of items	Issue value 2019-20 (in Crs. of ₹)	Staff Strength
1	General Stores Depot, Perambur (03)	Supply of materials required for Chennai division ; Supply of books, forms and Money Value Items to Southern Railway, South Western Railway & ICF	445	35.47	168 (*)
2	General Stores Depot, Palakkad (07)	Supply of materials required for the Palakkad Division.	282	6.31	14
		Disposal of scrap arising in Palakkad Division	44	16.61	
3	General Stores Depot, Erode (13)	Supply of materials required for the Salem Division.	351	9.40	11
		Disposal of scrap arising in Salem Division	22	12.92	
4	General Stores Depot, Madurai (14)	Supply of materials required for the Madurai Division.	326	9.19	28
		Disposal of scrap arising in Madurai Division	38	9.01	
5	General Stores Depot, Quilon (20)	Supply of materials required for the Trivandrum Division.	392	13.96	17
		Disposal of scrap arising in Trivandrum Division	44	23.90	
6	General Stores Depot, Golden Rock (24)	Supply of materials required for the Tiruchirapalli Division.	332	7.35	26
		Disposal of scrap arising in Tiruchirapalli Division	47	7.21	
7	Coach Maintenance Stores Depot, Basin Bridge (25)	Supply of C&W materials required for coach maintenance depot att BBQ.	231	4.52	13
		Disposal of scrap arising in Chennai Division	34	25.36	

(*) – includes staff strength of Combined scrap Stores Depot (Depot Code : 04)

2. 2 Depots attached with Diesel & Electric Loco Sheds :

Sl. Nos.	Name of the Depot (Depot Code)	Brief function	No. of items	Issue value 2019-20 (in Crs. of ₹)	Staff Strength
1	Diesel Stores Depot, Erode (08)	Supply of materials required for Diesel Loco Shed, Erode.	952	18.91	22
2	Electric Loco Stores Depot, Royapuram (15)	Supply of materials required for Electric Loco Shed, Royapuram.	261	10.17	9
3	Diesel shed/Stores Depot Golden Rock (19)	Supply of materials required for Diesel Loco Shed, Golden Rock.	1121	28.87	31
4	Electric Loco Stores Depot, Arakkonam (21)	Supply of materials required for Electric Loco Shed, Arakkonam.	564	12.19	23
5	Electric Loco Stores Depot, Erode (22)	Supply of materials required for Electric Loco Shed, Erode.	557	13.37	14
6	Diesel Stores Depot, Ernakulam (23)	Supply of materials required for Diesel Loco Shed, Ernakulam.	592	7.90	15
7	Diesel Stores Depot, Tondiarpet (26)	Supply of materials required for Diesel Loco Shed, Tondiarpet.	426	4.13	13

2. 3 Depots attached with Workshop :

Sl. No.	Name of the depot (Depot Code)	Brief function	No. of items stocked	Issue value 2019-20 (in Crs. of ₹)	Staff Strength
1	Loco Stores Depot, Perambur (01)	Supply of materials required for Loco Workshop, Perambur.	1230	98.88	65
2	Mechanical Stores Depot/ GOC (02)	Supply of materials required for Mechanical Workshop, Golden Rock.	751	98.96	146
3	Branch Stores Arakkonam (09)	Supply of materials required for Engineering Workshop, Arakkonam.	36	1.89	5
4	Diesel Stores Depot GOC (18)	Supply of materials required for Diesel POH Shop, Golden Rock.	1447	69.42	17
5	Carriage Stores Depot/ Perambur (28)	Supply of materials required for Carriage Workshop, Perambur.	1016	233.05	69

2. 4 Depots attached with EMU Sheds :

Sl. No.	Name of the Depot (Depot Code)	Brief function	No. of items stocked	Issue value 2019-20 (in Crs. of ₹)	Staff Strength
1	Traction Stores Depot, Tambaram (10)	Supply of materials required for maintenance of EMU Car shed at Tambaram and Velachery.	504	13.95	17
2	Traction Stores Depot, Avadi (27)	Supply of materials required for maintenance of EMU Car shed at Avadi.	513	18.84	19

2. 5 Depots attached to Manufacturing Shops :

Sl. No.	Name of the depot (Depot Code)	Brief function	No. of items stocked	Issue value 2019-20 (in Crs. of ₹)	Staff Strength
1	Signal Stores Depot, Podanur (11)	Supply of materials required for Signal & Telecom. Workshop, Podanur.	229	139.77	33
		Disposal of scrap arising from Workshop.	57	7.93	
2	Wagon Production, Golden Rock (17)	Supply of materials required for Wagon Production Workshop, Golden Rock.	Items procured against RSP NS indents and direct Railway Board coverage.		28

2.6 Other Depots :

Sl. No.	Name of the depot (Depot Code)	Brief function	No. of items	Issue value 2018-19 (in Crs. of ₹)	Staff Strength
1	Combined scrap Stores Depot, Perambur (04)	Receiving of scrap from various shops/sheds in Chennai area and its disposal.	199	105.75	included in 03 depot
2	Combined scrap Stores Depot, Goldenrock (05)	Receiving of scrap from various shops/sheds situated at GOC and its disposal.	163	50.41	27
3	Press Stores, Royapuram (12)	Supply of all types of Tickets, Money value books & Standard forms etc. to S.Rly. SWR, ICF, RRB, Construction Organisation, Railway Claims Tribunal, Railway Rate Tribunal, etc.	3	11.18	15

2.7. PRINTING PRESS:

General Printing Press/Royapuram meets the requirements of Books & Forms and Money-value items like Tickets, Excess Fare Tickets, etc.

As per the extant instructions of Railway Board, the requirement of Books & Forms by South Western Railway, ICF, RRB, Construction Organisation, Railway Claims Tribunal, Railway Rate Tribunal, etc is also met by Printing Press.

Tickets required for the Passenger Reservation System (PRS) and Unreserved Ticketing System (UTS), and the Money value items required for the Cluster Railways (SWR, WCR, ECoR) are also met by Printing Press/Southern Railway as per the extant instructions of Railway Board.

2.7.1 PRODUCTIVITY OF PRINTING PRESS AT ROYAPURAM:

The production output of the General Printing Press, Royapuram for the year 2019-20 is 7.89 Crores Double Foolscap Impression (DFCI) against the targeted out turn of 6.00 Crores per year. This includes standard forms and money value items.

2.7.2. PRODUCTIVITY OF TICKETS for PRS/UTS/ATVM & PCT:

Web offset printing machine for printing of pre-printed PRS (Passenger Reservation System) and UTS (Unreserved Ticket System) tickets has been put into service for use from 15.02.2015. The total number of tickets produced for Passenger Reservation System (PRS)/ Unreserved Ticketing System (UTS) / Automatic Ticket Vending Machine (ATVM) and the Printed Card Tickets (PCT) for the year 2019-20 is as follows :

(in Crs of tickets)

	UTS	PRS (*)	ATVM	PCT
Demand	26.00	3.00	0.70	1.3
Supply	26.04	3.096	0.70	1.3

(*) – Yatri Ticket Suvidha Kendra (YTSK) has been combined with PRS, since both were similar tickets in size and design.

In the financial year 2019-20, Printing press achieved 100% compliance with respect to all types of tickets, Books & forms and money value items.

Also, in house printing successfully executed for 70 lakhs of thermal paper tickets for ATVM machine and 2.5 lakhs of thermal paper tickets for Portable Unreserved Ticketing System machine.

Further, 1.07 Cr UTS tickets with Advertisement revenue of Rs. 16.30 lakhs and 13.50 lakhs PRS tickets with Advertisement revenue of Rs. 8.28 lakhs were executed successfully.

3.0 ISO CERTIFICATION:

Materials Management Department of Southern Railway has obtained ISO 9001:2000 certifications for Stores Headquarters and Eight Stores Depots, along with Associate Finance. The ISO 9001: 2000 certifications obtained in the year 2001 was upgraded to ISO 9001:2008 with validity up to 22.08.2017 and thereafter upgraded and renewed the ISO certification to ISO 9001-2015 with validity upto 22.08.2020.

4.0 SCRAP DETAILS:

4.1 SCRAP DESPATCHES TO RWF/YNK:

Southern Railway despatched 7625.365 MT of Scrap Rails/HMS to RWF/YNK valuing Rs. 18.49 Cr during 2019-20.

4.2 SCRAP -SALES PERFORMANCE:

As against the Railway Board's target of ¹ 330.00 Crs for the year 2019-20, Southern Railway has achieved a sale of Rs. 283.87 Crs.

5.0 Stores Balance—(2019-2020)

(Figs. in crores of ₹)

	Maintenance	Works	Total
(I) Opening Balance			
Phy. stock without Adjustment	-21.65	0.22	-21.43
Adjustment	0.00	0.00	0.00
Stores Suspense balance	-51.02	0.00	-51.02
Total as per approx accounts	-72.67	0.22	-72.45
(ii) Receipts during the year	1722.35	0.64	1722.99
(iii) Issues during the year	1647.47	0.55	1648.02
(iv) Closing Balance			
Phy. stock without Adjustment	2.21	0.31	2.52
Adjustment	0.00	0.00	0.00
Stores Suspense balance	-85.70	0.00	-85.70
Total as per approx accounts	-83.49	0.31	-83.18

6.0 INVENTORY PERFORMANCE 2019-20 :

(figures in Crore of Rupees)

1) Overall Balance without fuel as on 31.03.2020	:	65.50
2) Overall Balance with fuel as on 31.03.2020	:	104.52
3) Total issues (without fuel)	:	1126.78
4) Total issues (with fuel)	:	1648.02
5) Turnover Ratio (without fuel)	:	5.81%
6) Turnover Ratio (with fuel)	:	6.34%

7.0 ECONOMY ACHIEVED IN USE OF STATIONERY AND OTHER DETAILS :

Stringent economy is enforced in the utilization of stationery and other materials of general usage.

8.0 PURCHASE OF STORES :

(figures in Crore of Rupees)

8.1 Purchase-Value of Railway Equipment and Stores : 2019-20

1. Total Value of equipment	-	5636.63
2. Value of Stores (GeM)	-	16.05
3. Value of Stores through Railway Board	-	2759.21
4. Value of Direct Purchase	-	2861.37

8.2 Details of Purchases of Stores (2019-20) :

4398 stock orders and 249 non-stock orders concluded by PCMM/S.Rly.

(figures in Crore of Rupees)

1. Materials imported direct	-	5.47
2. Materials imported through agencies in India	-	0.00
3. Total imported direct and through agencies	-	5.47
4. Indigenous materials	-	5631.16
5. Total imported and indigenous	-	5636.63
6. Percentage of items (4) over (5)	-	99.90%

8.3 PURCHASES FROM KHADI, COTTAGE & SSI UNITS:

Value of Purchases falling within the Category of Khadi : 202.86 Crores

9.0 SUPPLY POSITION OF MATERIALS:

- General: - The supply position of materials was generally satisfactory.
- Steel: - Statement showing supply position of Pig Iron, Steel etc.

(figures in MTs)

Sl. No.	Item	Quantity indented during the year	Stock at the beginning of the year	Receipts during the year	Issues during the year
1	Pig Iron	—	—	—	—
2	Structurals	679.257	87.252	886.378	738.570
3	Plates	3688.663	117.175	4381.418	3466.325
4	Sheets	1336.143	165.665	1749.638	1443.546
5	Spring Steel	—	—	—	—
6	Tool Alloy & Steel Plates	—	—	—	—

10.0 DISPOSAL OF SCRAP :

During 2019-20, Southern Railway generated revenue of Rs. 283.87 Crores, by sale of various Scrap items.

Category of Scrap	Balance as on 01.04.2019		Receipts during the year		Scrap Disposed off during the year		Balance as on 31.03.2020	
	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	581.030	1.47	40529	92.69	39620	90.60	909	1.54
b. Other than P. Way scrap	533.080	1.09	44190	86.33	43793	85.56	397	0.77
II. Non-ferrous Scrap.	73.180	0.81	5337	54.72	5330	54.65	7	0.07
III. Rolling Stock								
	Qty./Nos.	Value (in Crs. of ₹)	Qty./Nos.	Value (in Crs. of ₹)	Qty./Nos.	Value (in Crs. of ₹)	Qty./Nos.	Value (in Crs. of ₹)
a. Wagon	11	0.08	436	10.95	436	10.95	0	0
b. Coaches	5	0.04	192	6.52	192	6.52	0	0
c. Locos	0	0	7	6.80	5 Nos.	4.86	2	1.94
IV. Misc. Scrap								
	Qty/ MT	Value (in Crs. of ₹)	Qty/ MT	Value (in Crs. of ₹)	Qty/ MT	Value (in Crs. of ₹)	Qty/ MT	Value (in Crs. of ₹)
Misc. Scrap (*) in MT.	420.22	1.00	12213	31.09	12071	30.73	142	0.36

(*) - Misc Scrap includes T & P items, Machineries, Paper, Glass, etc.- disposed on tonnage basis.

11.0 SUPPLY OF LINEN ITEMS:

4,15,323 Nos of Bed Sheets, 10,079 Nos of Woollen blankets, 2,92,585 Nos of Pillow Covers, 32,895 Nos of Pillows and 2,81,583 Nos of face Towels were supplied during 2019-20 as per schedule and without any complaints from any quarter.

12. Receipt, Inspection & Issues of Stores**12.1 Statistics on Receipts and Inspection :—**

	2017-18	2018-19	2019-20
1. No. of Staff for clerical and supervision work (Nos.)	66	67	65
2. Yearly Expenditure of staff (Rs. in Lakhs.)	522.52	604.45	655.08
3. Value of stores inspected/received (Rs. in Lakhs)	69,903.06	86279.42	95082.82
4. Cost of receipts and inspection per Rs. 100 of value of stores	0.75	0.70	0.69
5. Receipt notes granted per clerk per month	40	62	32

12.2 Statistics on Accounts and Departmental Stock Verification

	2017-18	2017-18	2019-20
1. Percentage of items verified			
(a) with no discrepancy.	99.80%	99.48	99.77
(b) with discrepancies			
Upto limit of ₹ 50/-	0.05%	0.08	0.01
Upto limit of ₹ 1000/-	0.04%	0.19	0.19
Above the limit of ₹ 1000/-	0.11%	0.25	0.03

12.3 Loss and Gain brought to light as a result of departmental and Accounts verification (Stores Depots only).

((figures in lakh of Rs.))

Year	Loss	Gain	Net Gain	Net Loss
2015-16	4.97	5.16	0.19	..
2016-17	0.24	14.99	14.75	..
2017-18	2.81	2.35	..	0.46
2018-19	0.034	0.055	0.021	..
2019-20	0.039	0.063	0.024	..

12.4 Statistic on Unit cost of Issues

	2017-18	2018-19	2019-20
1. Value of stores issued during the year from the depots (figures in lakhs of Rs.)	94121.07	108447.08	112678.00
2. Pay and Allowances of depot staff (figures in lakhs of Rs.).	3138.75	3361.09	2959.38
3. Cost of making issues worth ₹ 100/- (in Rs.)	3.33	3.10	2.63

13.0 AVAILABILITY OF ITEMS (As on 31-03-2020):

- Total No. stocked .. 5363
- No. of items available .. 5339
- Percentage of availability .. 99.55%

14. Inactive and Surplus Stores :

(figures in lakh of ₹)

Details	As on 31-3-2019	As on 31-3-2020
1. Surplus	Nil	Nil
2. Inactive	15.3	43

15. Printing Press**15.1 Production :—** Total out-turn of Press/RPM of the year 2019-2020 :—

Items	Value of Books and forms printed (in lakh of Rs.)	Value of Card tickets printed (in lakh of Rs.)	Total (in lakh of Rs.)
(i) Work done for S.Rly.	8,28,94,453	85,09,000	9,14,03,453
(ii) Work done for others	2,98,95,124	—	2,98,95,124
Total	11,27,89,577	85,09,000	12,12,98,577

15.2 Paper consumption for Press during the year 2019-20

For general stationery, printing of forms and Books for stations and ticket Offices, Boards is 785.8 MTs compared to 1139 MTs for year 2018-19.

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.		
2015-2016	10,14,341	1,80,34,750
2016-2017	25,47,200	1,78,92,650
2017-2018	10,83,600	1,49,78,750
2018-2019	15,91,347	3,13,24,300
2019-2020	23,19,495	1,27,00,000
(ii) Work done for others		
2015-2016	1,65,000	39,58,000
2016-2017	6,36,800	36,24,600
2017-2018	1,97,000	72,21,250
2018-2019	4,29,763	23,75,400
2019-2020	8,36,505	—

16.0 SHIPPING AND IMPORTS :

Southern Railway cleared two shipments of AC Loco spares from The Czech Republic under Bill of Lading and the value of Cargo amounting to Rs.2.23 Cr.

17.0 RIGHT TO INFORMATION ACT :

A total number of 82 RTI applications and 9 appeals were received during the year 2019-20 and all were disposed within the prescribed time limit.

18.0 GeM PROCUREMENT:

Rule 149 of General Financial Rules, 2017 mandates procurement of common use Goods and Services available on GeM through GeM only. Complying with directives of Railway Board, all goods and services available on GeM are invariably procured only through GeM. The value of procurement through GeM during 2019-20 is Rs. 48.24 Crores.

XI. चिकित्सा/MEDICAL

Introduction:

The Southern Railway Health Department is involved in providing comprehensive healthcare services by total patient satisfaction through human approach with shared commitment by every Doctor and Paramedics to provide quality health care by using modern and cost effective treatment. The responsibility under service rendered by Medical Department which include :

- (A) The organization has 1 Central Hospital, 6 Divisional Hospitals, 3 Sub Divisional Hospitals and 42 Health Units. The Medical department providing primary, secondary and tertiary Health care prevention and rehabilitation with the help of 198 Doctors, 438 Nursing Personnel and 1642 Paramedical staff.
- (B) Medical services for disease prevention and health promotion services in the beneficiary population covering important Public Health matters concerning Communicable Diseases, Non-Communicable Diseases, Maternal & Child Health, Family Welfare, National Health Programmes, Health Education.
- (C) Monitoring of Drinking Water Quality Standards and Food Safety Standards.
- (D) Industrial Health Services: The Industrial healthcare services include Pre-employment medical examination of Candidates, Periodical Medical Examination of employees, Prevention, Treatment, Monitoring & Reporting of Workplace Accidents in the zone, Health Awareness and Screening at Workplaces.
- (E) Environmental Health: The Health Department is also responsible for the upkeep of Major Railway Stations in the zone with mechanised cleaning contracts and upkeep of all Railway Colonies with in-house Safaiwalas. Garbage Collection and Disposal Contracts are also in place.
- (F) Planning procurement and distribution of medicines, surgical consumables and laboratory materials. Material management for M&P equipment with a view to meet the tangible components of healthcare delivery for efficient functioning of Hospitals & Health Units in the zone.
- (G) Evolving treatment protocols as per current evidence-based medicine and conducting regular C.M.E (Continuing Medical Education) programmes for Medical Officers and paramedical staff. A regular training programme for Postgraduate DNB Courses are conducted in nine specialities / super specialities at the HQ Hospital, Perambur.
- (H) Disaster Management protocols and readiness is maintained through the planned response along the Divisional jurisdictions with availability of five SPART at Chennai, Erode, Tiruchirappalli, Madurai & Ernakulum. Nine ARME Scale I and Twenty-Eight ARME Scale II in the zone in order to provide prompt medical relief to passengers injured in Railway accidents or disasters.

- (I) Emergency Medical Relief is provided to travelling passengers by the Railway Medical personnel during the journey at Railway Stations. Medical Emergencies reported on board travelling passengers who are injured or taken seriously ill in trains or at Railway stations, are also attended to.
- (J) Voluntary service organizations like St John Ambulance is actively involved in training of members in First Aid & Safety along with rescue and relief activities during train disaster and Public Duties.

STATISTICS FOR THE YEAR 201-20

No.	Particulars	2019-20
1	Total No. of Beneficiaries ..	506376
2	Total No. of Outpatients ..	1635914
3	Total No. of Inpatients ..	41442
4	Total No. of Special Surgeries ..	1558
5	Total No. of Major Surgeries ..	2841
6	Total No. of Minor Surgeries ..	3257
7	Cost of Medical services (in rupees) ..	3,31,96,82,000
8	Cost of Medical services per head per annum ..	41,445.25
9	Cost of Health service (in rupees) ..	15,58,79,000
10	Cost of Health service per head per annum ..	1946.10
11(a)	Cost of drugs (in rupees) ..	38,47,22, 760
(b)	Total amount of reimbursement (in rupees)	3,98,35,089
12	Total cost of Medical & Health service per annum per head (in rupees)	47,008.63
13	No. of Rly employees & their families treated- New cases	4,99,210
14	No. of Females & Children treated - New cases ..	1,86,742
15	Daily average - out door attendance of Rly. employees & their families at Rly Hospital/ health units/ old & new cases	1,016
16	No. of Hospitals ..	10
17	No. of Health Units	
A	With beds ..	41
B	Without beds ..	1
18	No. of Railway population per Railway Hospital/ health unit ..	9,738
19	No. of chest clinics ..	7
20	No. of dental clinics ..	6
21	No. of maternity clinics ..	26

No.	Particulars	2019-20
22 No. of beds		
A	General ..	907
B	TB ..	36
C	Maternity ..	102
D	Isolated ..	5
E	ICCU ..	85
	Total ..	1135
23 Health Units		
A	Emergency beds ..	52
B	Maternity beds ..	18
24	Total No. of beds in Hospitals/ Health Units, Chest clinics etc.,	1205
25	No. of beds per 1000 Rly. employees including TB beds ..	14
26	No. of beds per 1000 Rly. employees excluding TB beds ..	14
27	No. of TB beds reserved in Railway institutions. ..	36
28 No. of Doctors		
A	Principal Chief Medical Director ..	1
B	Chief Health Director ..	1
C	ACMD/T&A ..	1
D	ACMD/H&FW ..	1
E	Medical Director/ Chief Medical Superintendent/CSS. ..	11
F	NFSAG ..	183
G	SG ..	
H	JAG ..	
I	SS&JS ..	
	Total ..	198
29	No. of Rly. Population per Rly. Doctor ..	2557
30	No. of Road mobile vans ..	1
31 Accident Relief Medical Equipment		
A	ARME scale I ..	11
B	ARME scale II ..	28
32 No. of Operations Performed		
A	Major ..	2841
B	Minor ..	825
C	Trivial ..	4176
33 Family Welfare Activities		
A	Centres ..	4
B	Sub- Centres ..	2
34 No. of Sterilization operation performed		
A	Tubectomy ..	168
B	Vasectomy ..	4
35	No. of I.U.D. inserted ..	62

The following are the Hospitals service rendered to the Railway Beneficiaries:

HEADQUARTERS HOSPITAL PERAMBUR

The Zonal HQ 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 entire Indian Railways for Cardiology, Cardiovascular surgery, Nephrology, Neurosurgeries and Vascular Surgeries. The National Board of Examinations has recognized this hospital for training of D.N.B candidates in Medicine, Cardiology, Surgery, Obstetrics & Gynaecology, Paediatrics, ENT, Anaesthesia, Cardiovascular Surgery and Orthopaedics. It is also recognized by the Royal college of Surgeons, Edinburgh for Part II MRCS examinations.

(1) DEPARTMENT OF CARDIOLOGY :

The Department of Cardiology is an all-India Referral Centre for all types of heart diseases. This department undertakes treatment of all types of cardiac procedures like cardiac catheterization, coronary angioplasty, Permanent pacemaker implantation, electro-physiology study etc.

The performance for the year 2019-20

* Percutaneous Transvenous Mitral	-	29
* Commissurotomy (PTMC)		
* Percutaneous Transluminal Coronary Angioplasty (PTCA)	-	223
* Percutaneous Transluminal Renal Angioplasty (PTRA)	-	3
* Cardiac catheterization	-	24
* Coronary Angiography	-	1207

(2) DEPARTMENT OF CARDIO-THORACIC SURGERY :

The department of Cardio-Thoracic Surgery is an all-India Referral Centre for all types of heart diseases, cardiac evaluation and management. 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.

The performance for the year 2019-20

* Open Heart Surgeries done	-	145
* Coronary Artery Bypass Grafting (CABG)	-	333
* Other Cardiac surgeries	-	65

(This includes various surgical procedures for coronary artery diseases, congenital heart disease and rheumatic heart disease, pulmonary valvuloplasty etc..)

(3) DEPARTMENT OF NEUROSURGERY :

The 4-year-old Neurosurgery Department specialises in treating diseases of the brain, spinal cord and nerves and carries out major neurosurgical operations yearly with the latest diagnostics and neurosurgical equipment. A Neurosurgical Microscopic was procured in January 2019.

The performance for the year 2019-20

* Special Major procedures	-	102
* Major procedures	-	33
* Minor procedures	-	5

(4) DEPARTMENT OF OBSTETRICS & GYNAECOLOGY :

The Obstetrics & Gynaecology department has got 52 beds in its wards. Around 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.

The performance for the year 2019-20

* Keyhole Surgeries performed	-	1944
* Normal Delivery	-	540
* Assisted Delivery	-	76
* LSCS Surgeries	-	1328

(5) DEPARTMENT OF OPHTHALMOLOGY :

Intra-ocular lens implantation and other routine procedures are done. Laser treatment for posterior segment disorders is performed in the Department. A"B" Scan equipment was procured during the period.

The performance for the year 2019-20

* Cataract Surgeries	-	1986
* Ocular procedures	-	201

(6) DEPARTMENT OF GENERAL SURGERY:

This department is a major wing of the hospital, backed by the latest equipment and a dedicated team of surgeons. Latest equipment like contact laser, Fibre-optic endoscopes and laparoscopic surgical equipment backed by efficient team of qualified surgical expertise are available in this Department. This Department is recognized by National Board of Examinations for Post Graduate degree in General Surgery.

The performance for the year 2019-20

* No. of General Surgeries	-	1497
* No. of Special Surgical procedure including Oncology & Vascular	-	878
* No. of Trivial surgeries	-	619

(7) DEPARTMENT OF GENERAL MEDICINE:

The modern Intensive Care Unit is known for its quality of work particularly for managing emergencies. The specialized services provided are ultrasound for in patients, Endoscopy, Bronchoscopy, Thoracoscopy, and Broncho alveolar Lavage and Trans bronchial biopsy, EEG, Renal biopsy, Spirometry, Ventilator assistance, pacemaker Implantation etc. Well-equipped intensive care unit with non-invasive and invasive diagnostic techniques is available for effective management of medical emergencies. This department is recognized by National Board of Examinations for Post Graduate degree in medicine.

The performance for the year 2019-20

* Total No. of patients treated as IP	-	6290
* Total No. of ICU patients treated	-	1647
* Total No. of Endoscopies done	-	3198

(8) DEPARTMENT OF ORTHOPAEDICS :

The department of Orthopaedics has been upgraded and all orthopaedic surgeries including spinal surgery, hip and knee replacements, revision hip replacement are being performed. This Department is also recognized by National Board of Examination for post graduate degree in Orthopaedics.

The performance for the year 2019-20

* Hip replacement surgeries	-	19
* Knee replacement surgeries	-	31
* Hip modular bipolar, Hemi-arthroplasty	-	28

(9) DEPARTMENT OF NEPHROLOGY :

A Full-fledged nephrology unit with all therapeutic measures, short of transplant are being done here.

The performance for the year 2019-20

* Haemodialysis done in house	-	4200
* Haemodialysis done in outside	-	1257
* Transplants	-	2
* Continuous Ambulatory Peritoneal Dialysis(CAPD)	-	12

(10) DEPARTMENT OF PAEDIATRICS :

The Department of Paediatrics has got 60 beds in its wards. This department is well equipped and offers good quality treatment to the patients. A 10 - bed Neonatal ICU is also available. This department is also recognized by National Board of Examination for post graduate degree in Paediatrics.

The performance for the year 2019-20

* Total No. of inpatients treated	-	1554
* No. of Patients treated in ICU	-	514
* No. of Patients treated in NICU	-	623

(11) DEPARTMENT OF PSYCHIATRY :

A full-fledged Department of Psychiatry is functioning in this hospital. De-addiction centre, Memory clinic, counselling Centres are available to conduct regular awareness programmes every month for employees.

Alcohol and Drug related counselling services are also provided by the Counsellor.

(12) DEPARTMENT OF CHEST DISEASES & PULMONARY MEDICINE :

The Department is referral centre for lung diseases like COPD, Asthma, Tuberculosis, sleep associated respiratory disorders and Cancer cases, which is also having facilities for Pulmonary Function Tests, Bronchoscopy, Broncho-Alveolar Lavage as diagnostic procedures.

(13) DEPARTMENT OF OTOLARYNGOLOGY :

The ENT department has got full-fledged Endoscopic facilities, Micro-laryngeal surgical facilities and Micro Ear surgery facilities. Airway Laser surgical procedures are regularly done. This Department is also recognised for DNB course.

The performance for the year 2019-20

* Total No. of surgeries	- 863
* Special Surgeries	- 69

(14) DEPARTMENT OF RADIOLOGY :

The Department of Radiology is equipped with two digital X-ray units and two high end ultrasound machines.

The performance for the year 2019-20

* Total No. of X-Rays	- 105896
* Total No. of USG	- 19069
* Ante-natal screening	- 2322

(15) DEPARTMENT OF LABORATORY MEDICINE :

This Department has the distinction of being the only NABL accredited Laboratory in Indian Railways. It has Clinical Pathology, Histopathology, Clinical Biochemistry and Microbiology Departments. It is the only Laboratory in Railways to conduct PCR testing in Indian Railways. It has licensed Blood Bank with component separation facilities.

The performance for the year 2019-20

* Total No. of test done in Biochemistry	- 505429
* Total No. of test done in Immuno Chemistry	- 53270
* Total No. of test done in Bacteriology	- 37712
* Total No. of test done in Serology	- 50706
* Total No. of test done for Donors	- 148610
* Total No. of test done in Histopathology	- 1003
* Total No. of test done in Haematology	- 36129
* Total No. of test done in Clinical Pathology	- 121230

(16) DEPARTMENT OF DERMATOLOGY & VENEROLOGY :

This Department is the Zonal referral centre for treatment of Skin and STD disorders with facilities for Electrocautery, and Photo therapy Unit (PUVA) for treatment of chronic pigment disorders.

(17) DEPARTMENT OF DENTISTRY

This Department has 3 Dental Units with Dental chairs and is performing Maxillo-facial surgeries, Implant placements, Root Canal Treatments, Dental impaction surgeries, Cyst Extraction/Enucleation surgeries, dental Extraction, fillings and scaling procedures. Oral Health Awareness sessions are also conducted for the benefit of patients and during School Health Sessions.

CHENNAI DIVISION :

The Medical Branch Headquarters of Madras Division is at Madras Egmore and Chief Medical Superintendent is in-charge of the division. The Divisional Hospital is located at Arakkonam. It has 50 beds with an Operation Theatre and Laboratory. A Dental clinic is functioning at Health Unit, Egmore. X-ray facilities are available at Egmore and Arakkonam with 300 MA and 500 MA X-ray machines. The Family Welfare Centre for Chennai Division is functioning at Egmore, which conducts Health Awareness & Screening programmes.

This Division has eleven Health Units located at Jolarpettai, Katpadi, Haffieldpet, Avadi, New General Office, Chennai Egmore, Tondiarpet, Royapuram, Tambaram, Chengalpattu and Sullurpet.

The performance for the year 2019-20

* Total No. of Outpatients treated	- 389689
* Total No. of Inpatients treated	- 872
* Total No. of Surgeries(Minor) done	- 416
* Total No. of screening camps conducted	- 805

MADURAI DIVISION :

Primary and secondary care treatment facilities are being rendered at Divisional Railway Hospital Madurai. Family Welfare Centre at RH/MDU provides RCH, Immunisation and contraceptive services. All Disease Prevention and Health Promotion Activities are conducted by this centre.

Madurai Division has 9 Health Units located at Dindigul, Mandapam, Palani, Karaikkudi, Sengottai, Tuticorin, Manamadurai, Tirunelveli and Virudhunagar.

The performance for the year 2019-20

* Total No. of Outpatients treated	- 216747
* Total No. of Inpatients treated	- 3577
* Total No. of Surgeries done	- 1031
* Total No. of Special Surgeries	- 88
* Total No. of Major Surgeries	- 270
* Total No. of Minor Surgeries	- 673
* Total No. of Tubectomy done	- 26
* Total No. of screening camps conducted	- 449

PALAKKAD DIVISION :

The Divisional Hospital at Palakkad offers primary and secondary care treatment facilities. It has a well-equipped ICU unit. This hospital is also recognized by MCI for Senior House Surgeonship. The Sub-Divisional Hospital at Shoranur is also well equipped. Family Welfare Centre at RH/PGT provides RCH, Immunisation and Health Promotion Activities.

Palakkad Division has four Health Units located at Mangalore, Kannur, Kozhikode and Pollachi.

The performance for the year 2019-20

* Total No. of Outpatients treated	-152547
* Total No. of Inpatients treated	- 8561
* Total No. of Surgeries done	- 805
* Total No. of Special Surgeries	- 5
* Total No. of Major Surgeries	- 110
* Total No. of Minor Surgeries	- 690
* Total No. of screening camps conducted	- 117

TIRUCHCHIRAPPALLI DIVISION :

There is a Divisional Hospital at Golden Rock. Railway Hospital/Golden Rock caters to this division with the one Sub Divisional Hospital at Villupuram and 8 health units. In the Divisional Hospital all primary and secondary care facilities are being rendered in all the fields. The Divisional Hospital has been recognised by MCI for Senior House surgeon-ship. Family Welfare Centre at DRH/GOC provides RCH, Immunisation and contraceptive services. All Disease Prevention and Health Promotion Activities are conducted by this centre.

This Division has eight Health Units located at Tiruchchirappalli Junction, Trichy Fort, Srirangam, Vriddhachalam, Tiruvannamalai, Mayiladuturai, Thiruvavur and Thanjavur.

The performance for the year 2019-20

* Total No. of Outpatients treated	- 277273
* Total No. of Inpatients treated	- 6837
* Total No. of Surgeries done	- 1313
* Total No. of Special Surgeries	- 91
* Total No. of Major Surgeries	- 232
* Total No. of Minor Surgeries	- 990
* Total No. of Tubectomy done	- 23
* Total No. of screening camps conducted	- 805

SALEM DIVISION :

In this division, there are two Sub-Divisional Hospitals, one at Podanur and one at Erode, which are well equipped and caters for primary and secondary care facilities to the Railway Beneficiaries. Disease prevention and health promotion activities are conducted by the Family Welfare Staff attached to CMS Office.

This Division has four Health Units located at Salem, Karur, Mettupalayam and Coonoor.

The performance for the year 2019-20

* Total No. of Outpatients treated	- 125344
* Total No. of Inpatients treated	- 799
* Total No. of screening camps conducted	- 72

THIRUVANANTHAPURAM DIVISION :

The well-equipped 54 bedded Divisional Hospital at Thiruvananthapuram Pettah and one Medical out post at Thycaud provides primary and secondary care treatment facilities to Railway Beneficiaries. In the Divisional Hospital Pettah, an Intensive Care Unit with 4 Beds is available. Facilities for X-ray, ECG & Lab. Investigations are available. A Dental clinic is also functioning. A physiotherapy unit with all major equipments is also functioning. Disease prevention and health promotion activities are conducted by the Health Inspectors.

This Division has six Health Units located at Trissur, Ernakulam, Alappuzha, Kottayam, Kollam and Nagercoil.

The performance for the year 2019-20

* Total No. of Outpatients treated	- 36038
* Total No. of Inpatients treated	- 684
* Total No. of Surgeries done	- 69
(Including Oncology surgery - 5)	
* Total No. of screening camps conducted	- 75

Disease prevention & Health Promotion :

Disease Prevention and Health promotion are geared up by way of regular Observance of Public Health Importance days, conducting Health Education classes, talks, lecture at Railway Training centres, Railway Schools, Offices, Workshops, Colonies, conducting Wellness camps by screening for life style disorders and School Health Check-up camps.

DISEASE PREVENTION & HEALTH PROMOTION ACTIVITIES APRIL 2019 – MARCH 2020								
Divn.	Public Health Important Days		Health Education Sessions		Wellness Camps		School Health	
	No.	Beneficiaries	No.	Beneficiaries	No.	Beneficiaries	No.	Beneficiaries
PER	20	5403	35	4793	92	7033	1	450
MAS	43	24221	207	11750	805	31803	1	95
TPJ	13	1993	179	3202	449	9892	2	335
MDU	18	7660	370	9725	75	4403	1	278
SA	15	1864	8	1488	72	7464	2	863
PGT	25	2228	111	7795	117	6318	1	234
TVC	22	5763	350	6307	278	11402	0	0
Total	156	49132	1260	45060	1888	78315	8	2255

Pulse Polio Immunization:

Pulse Polio Immunization was given to 30,170 children below 5 years during Intensive Pulse Polio Immunization campaign from 19.01.2020 to 21.01.2020.

HIV/AIDS Control:

Various awareness programmes like lecture sessions, talks in Group meetings, Cultural shows, Dramas, Rally, Quiz, Essay/Poster/Painting/elocution contests etc., are routinely conducted to create awareness about HIV/AIDS. The current pool size of HIV/AIDS in the Zone is 274 all of which are asymptomatic cases. All the HIV cases are regularly followed up and required care and support have been rendered by the Counsellor attached to the Integrated Counselling and Testing Centres (ICTC)/RH/PER in Southern Railway. Anti-Retroviral Treatment is being administered at Railway Hospitals Perambur and at Golden Rock to all people living with HIV Positive to enhance their quality of life.

Control of Tuberculosis:

Health education classes were conducted by Medical Officers and health education materials were distributed. Screening camps were conducted at Divisional 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.

DISASTER MANAGEMENT

ACCIDENT RELIEF MEDICAL EQUIPMENT (SCALE I & II) LOCATIONS:

Division	ARME Scale I	ARME Scale II	
	Broad Gauge	Broad Gauge	Narrow Gauge
Chennai	Chennai (SPART) Jolarpettai	Arakkonam, Katpadi, Sullurpet	—
Tiruchchi-rappalli	Tiruchchirappalli (SPART) Villupuram	Virudhachalam Mayiladuthurai Tiruvannamalai	—
Madurai	Madurai (SPART) Sengottai	Dindigul, Palani, Karaikudi, Manamadurai, Mandapam, Virudhunagar, Tirunelveli, Tuticorin, Sengottai	—
Palakkad	Mangalore, Shoranur	Kannur, Kozhikode, Palakkad, Pollachi	—
Thiruvananthapuram	Ernakulam (SPART), Thiruvananthapuram	Nagercoil, Trissur, Kollam, Kottayam, Alappuzha	—
Salem	Erode (SPART)	Podanur, Salem, Karur	Coonoor

St. JOHN AMBULANCE

The 20th Southern Railway district of SJAB is functioning effectively.

Highlights of SJAB 2019 – 2020.**Public Duties :**

S.No.	Date (From – To)	Corps	Festival	Place
1.	20.07.2019 - 24.07.2019	Madras	Athivarathar	Kanchipuram Rly. Station.
2.	04.08.2019- 09.08.2019	Perambur	Athivarathar	Kanchipuram Rly. Station.
3.	06.09.2019 - 09.09.2019	Perambur	Velankanni Madha	Nagappattinam Rly. Station
4.	08.12.2019 - 12.12.2019	Perambur	Karthigai Deepam	Tiruvannamalai Rly. Station
5.	30.12.2019 - 02.01.2020	TVC	Tiruthani	Tiruthani
6.	03.01.2020 - 16.01.2020	TVC	Sabarimala-makaravilakku	Chengannur Rly. Station
7.	08.01.2020 - 11.01.2020	Perambur	Aarudra darsan	Chidambaram Rly. Station
8.	09.03.2020	TVC	Attukalponkala	TVC

INDUSTRIAL HEALTH SERVICES

Total Railway Medical Certificates issued	55675
Total Man-days Loss	714172 Days
RMC Man-days Loss per 1000 Employees	8909 Days
Man-days Loss due to Injury on Duty	36802 Days
IOD Man-days Loss per 1000 Employees	459 Days

MEDICAL EXAMINATIONS	2019-20
Pre-employment Candidates M/E	10511
Periodical Employees M/E	
Aye One	1216
Aye Two	3503
Other Categories	4206

HEALTHSERVICES :**(A) Sanitation and Cleanliness**

The Sanitation of 67 important stations in various categories viz, A1-6, A-35, B-23, C-1, D-1 & E-1 are under the control of Medical Department. The cleanliness works of these 67 stations are outsourced through Mechanized Cleaning contracts. Special cleanliness drives/campaigns are conducted at Railway Stations, Workshops, Railway Hospitals/Health Units every month. CCTV, Public address systems are being used for creating awareness on cleanliness. All Medical Officers in Divisions, AHOs, CHI/ HIs are monitoring the activities of cleanliness.

Intensive Cleaning Drives were undertaken in all A-1 and A category stations once a week on Saturday/Sunday during the period April to June 2019. Special campaigns were organised once a month in all A-1 category stations involving Social/Charitable organisations, NGOs, Bharat Scouts & Guide sand NSS etc. The following were the Drives/ Campaigns held in the year 2019- 20.

- Swachch Rail Swachch Bharath was observed in Workshops, Sheds, Production Units and Depots from 16.09.2019 to 31.09.2019.
- It was observed in all Offices and other work places.
- Theme based cleanliness drives were undertaken at all Railway colonies.
- Swachhta Saptah was observed in all Railway Hospitals & Health Units.

(B) Quality of Water:

The 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 2019-20 are given below :

Bacteriological test :

No. of samples examined	6514
No. of samples found fit	1152
No. of samples found unfit	5354
Percentage fit	17.68%

Residual Chlorine Test :

No. of samples examined	74519
No. of samples found fit	16496
No. of samples found unfit	58023
Percentage fit	22.13%

(C) FOOD SAFETY

The Food Safety & Standard Act, 2006 was implemented in September 2011 to improve the quality of food distributed in the Railway premises and trains. Food Safety & Standard Wing of Southern Railway started working from August 2011 and the New Food Safety and Standards Act 2006 has been implemented from September 2011 onwards. A separate Food safety wing consisting of one Designated Officer at HQ and Food Safety Officer for each Division is functioning to implement this Act throughout Southern Railway. New food licenses to catering units are being issued by this wing, and Food safety awareness campaigns were conducted for Food Handlers & licensees of catering establishments. All the Medical Officers, Assistant Health Officers, Designated Officer, Food Safety Officers and Chief Health Inspectors/ Health Inspectors conducted 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 2019-20 are given below:

Quality Control :

No. of food samples collected	..	627
No. of samples found adulterated/ Misbranded/Sub-Std.	..	0
No. of samples found unsafe	..	0

FSSA :

No. of food samples collected	..	213
No. of samples found adulterated/ Misbranded/Sub-Std.	..	22
No. of samples found unsafe	..	10

(D) Family Welfare Programme :

Reproductive and Child Health services are rendered to the Railway beneficiaries effectively. Regular well baby clinic, antenatal clinic, post-natal clinic, Immunization clinic, well baby shows, Counselling for conception and contraception, Sterilisation services are rendered through the network of Railway Hospitals/ Health Units in Southern Railway.

A total of 163 Tubectomy and 2 vasectomy were performed during the year in Southern Railway.

XII. कर्मचारी/STAFF

1. STAFF STRENGTH

(A) Gazetted

Group 'A' and 'B' Services as on 31st March 2020.

Department	Group 'A'	Group 'B'
Admin	47	44
Accounts	61	34
Engineering	123	98
Mechanical & CMT	72	28
Transportation (Traffic & Comm.)	72	29
Signal and Telecommunication	62	27
Electrical	68	41
Medical	198	31
Personnel	30	22
Stores	31	18
Security	30	0
Total	794	372

(B) Non Gazetted

Department	Group 'C'
Admin	647
Accounts	1,446
Engineering.. .. .	18,256
Mechanical & CMT	18,654
Transportation (Traffic & Comm.)	16,814
Signal and Telecommunication	3,848
Electrical	13,544
Medical	2,345
Personnel	1,467
Stores	1,127
Security	4,328
Total	82,476

2. RECRUITMENT AND PROMOTION OF SCHEDULED CASTE/ SCHEDULED TRIBE CANDIDATES IN NON-GAZED SERVICE

2. (a) Recruitment of SC/ST candidates in Group 'C' and 'D' Services.

Group	No. to be appointed according to reservation in 2019-20			No. actually appointed in 2019-20		
	SC	ST	OBC	SC	ST	OBC
Group C and Erstwhile Group 'D'	437	218	786	803	447	1,630

Note : Total Number of SC/ST employees appointed includes the persons appointed on their merit concept and also against backlog vacancies.

2. (b) Promotion of SC/ST candidates in Group 'C' and 'D' services 2019-20.

(i) Selection posts				
Category	No. of vacancies Reserved		No. of Employees actually Promoted	
	Scheduled Castes	Scheduled Tribes	Scheduled Castes	Scheduled Tribes
Group 'C' including Erstwhile Group 'D'	-	-	243	145
(ii) Non Selection posts				
Group 'C' including Erstwhile Group 'D'	-	-	2,062	874

Note : (*) Vacancy details are not available in Res. Cell/HQ. However total number of Vacancies filled on both Selection and Non-Selection are available and the same are furnished above.

2. (c) Shortfall of SC/ST/OBC as on 31st March 2020

Recruitment Categories	SC	ST	OBC
Group 'C' including Erstwhile Group 'D'	239	132	205

2. (d) Shortfall of SC/ST/OBC as on 31st March 2020

Promotional Categories	SC	ST
Group 'C' including Erstwhile Group 'D'	688	308

2. (e) Statement showing the number of employees belonging to Scheduled Caste and Scheduled Tribe as on 31st March 2020.

Group	Total No. of employees as on 31st March 2020	Scheduled Castes	Percentage	Scheduled Tribes	Percentage
Group 'A'	725	154	21.24	40	5.52
Group 'B'	313	72	23.00	26	8.30
Group 'C' including Erstwhile Group 'D'	79,541	15,581	19.59	6,310	7.93
Group 'D' Safaiwala	768	226	29.43	65	8.46

3. Recruitment

3.1 Recruitment :

(A) (i) Group "A" and "B" Service appointment to Group "A" as well as promotion to Group "B" service made during the year 2019-2020.

Department	Group 'A'	Group 'B' (Promotion)
Personnel ..	2	..
General Management	..	..
Electrical ..	5	4
Transportation (Traffic & Comm.)	..	2
Engineering ..	3	45
Stores ..	1	..
S & T ..	3	5
Medical ..	11	..
Mechanical ..	9	..
Schools ..	..	..
Accounts ..	..	10

3. 1 (a) (ii) Number of Group 'B' Officers absorbed in Group 'A' during the year 2019-2020.

IRPS—1, IRSEE—4, IRTS—9, IRSE—Nil,

IRSS—Nil, IRSSE—Nil, IRSME—Nil

3.1 (b) (i) Appointments in Group 'C' and 'D' categories for the year 2019-2020.

Group 'C'	No. Indented	No Supplied
I. Technical	5,403	4,640
II. Non-Technical	330	169
III. NTPC	3,531	0
Total	9,264	4,709
Group 'D'	9,212	2,871
Grand Total	18,476	7,580

* Indents were placed in 2018-19 and papers received in 2019-20

3.1 (b) (ii) Recruitment of Non-gazetted staff for the last 3 years

Year	Group 'C'	Group 'D'	Total
2017-2018	1,087	126	1,213
2018-2019	..	..	..
2019-2020	4,809	2,871	7,680
Total	5,896	2,997	8,893

* Papers received in 2019-20

Group 'C'

3.1 (b) (iii) Number of persons appointed against Physically Handicapped quota for the 2019-20. 51

3.1 (b) (iv) Number of persons appointed against Compassionate Grounds for the year 2019-20. ..

Note : Group 'D' papers received against indent placed in 2017-18.

4. TRAINING :

(a) (ii) The number of officers who attended the training courses during the year 2017-18 are as follows :

Training Institutions	Mandatory Cours
RSC-Vadodara	103
IRICEN-Pune	32
IRISET-Secunderabad	12
IRIMEE-Jamalpur	1
IRIEEN-Nasik	..

4 (b) Training Group 'C' Staff

No	Branch	Initial	Pro-motional	Re-fresher	Special	Total
1.	Mechanical	1,317	286	7,231	5,654	14,488
2.	Electrical	1,398	984	2,465	1,713	6,560
3.	Engineering	164	76	48	4,041	4,329
4.	S & T	472	42	513	831	1,858
5.	Traffic & Commercial	1,467	222	2,333	4,388	8,410
6.	Personnel	..	..	..	..	..
Total		4,818	1,610	12,590	16,627	35,645

5. Issue of Passes and PTOs for year 2019-20

Statement for the Financial year ending 31st March 2020 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' & 'B'		4885	10128	11376	860	2774	2357
I Class 'C'		11374	27261	28464	5274	19119	15582
II Class 'C'		3856	5767	5543	1241	3168	3074
III AC 'C'		798	572	1632	514	332	1081
II Class 'D'		884	2215	2739	609	1096	1233

Note :—The following Division/Units are not yet submitted their report are as under :—

DRM/P/PGT, Dy.CAO/CN/MS, CWM/CW/PER, CWM/LW/PER, Dy.CE/EWS/AJJ, Dy. COS/PER, CWM/GOC.

6. Industrial Relations

There are two recognized federations at the apex level viz. AIRF & NFIR. Southern Railway Mazdoor Union is the only recognized Union at Zonal level.

During the year 2019 the PNM meeting was conducted and various issues were sorted out across the table after mutual consultation with each other to the best satisfaction of both the Organized Labour and the Administration.

7. Implementation of Labour Laws :

Provisions of all Labour Laws pertaining to Railways viz. Hours of Employment and Period of Rest Rules, 2005. Payment of Wages Act, Trade Union Act, Employees Compensation Act, Industrial Disputes Act, Minimum Wages Act, Contract Labour Regulation and Abolition Act are being implemented to the satisfactory level duly taking into account the deficiencies pointed out by the various agencies like Regional Labour Commissioner, Assistant Labour Commissioner and the Labour Enforcement officers/ inspectors concerned.

8. STAFF WELFARE ACTIVITIES**(i) Labour Welfare**

Staff Facilitation Centres at all Divisional Headquarters/ Units provide information and assistance to staff on all Personnel and Welfare matters. These centres are offering immense help to the staff. Grievance Adalats are held periodically at nominated stations to reduce the grievances of the employees.

Pension Adalats and Mid-term Pension Adalats are conducted every year during July and December respectively to redress the grievances of the retired employees.

During 2019-2020 Pension Adalat were conducted on 23.08.2019. Overall Southern Railway 392 cases were received and disposed off.

"Social Security Scheme" is a Welfare scheme introduced by Railways for the benefits of Non-Gazetted staff. A nominal amount is collected as subscription from every employee. Financial assistance is provided to the retiring employee and for the family in case of any mishap. This is purely a voluntary scheme.

There are **Fifteen** Rail Kalyana Mandapams existing in Southern Railway. A nominal and affordable rent is being charged to the serving employees to utilize the premises for functions like Marriage, Wedding Reception etc.

(ii) Railway Schools

There are Eight Railway Schools (*i.e.*, three Higher Secondary Schools and Five High Schools) in English medium situated in the Territorial jurisdiction of this Zone, spread (fully/partially) over Tamil Nadu and Kerala States, to extend educational facilities mainly to the wards of Railway Employees.

Out of 8 schools, 6 schools are following CBSE Pattern and 2 schools are following Tamil Nadu State Board Syllabus.

In total **2328** children studied in the Railway Schools during the year 2019-2020.

(iii) (a) Staff Benefit Fund :**(vi) Educational Assistance :**

An amount Rs. 8,94,15,000/- has been allotted towards Scholarship for Professional /Technical educational Assistance for the year 2019-20 including Scholarship for Non-Professional/Non-Technical courses for wards of staff in GP upto Rs. 2,400/-

(ii) Book Bank :

Under the auspices of CSBF, there are seven book banks cater to the needs of the wards of Railway employees pursuing Professional/Technical courses.

(iii) Financial Assistance towards 'Relief of Distress/ Sickness.

The following assistance were made under this head.

Type of Honorarium	Amount in ₹.
Honorarium to Barber @ RH / PER	₹. 60,000/-
Honorarium to HIV/AIDS Counselors @ RH / PER	₹. 1,30,871/-
Honorarium to Lab Technician @ RH / PER	₹. 1,52,498/-
Honorarium to Alcohol /Drug Counselors in Railway hospital/PER.	₹. 60,000/-
Honorarium to Speech Therapist in Railway Hospital/ PER	₹. 1,62,398/-
Provision of Light refreshment to Blood Donors at RH/PER.	₹. 2,72,970/-
Funeral expenses to the families of serving employees who expired @ RH / PER.	₹. 2,40,000/-
Financial Assistance to the families of the employees who have succumbed to Covid 19	--
Assistance for sickness to employee's (GP upto Rs. 4,600) amount sanctioned.	₹. 28,72,015/-
Assistance for mentally/physically challenged employees & wards amount allotted.	₹. 21,58,235/-

(iv) Indigenous system of medicine:

In order to provide medical assistance to such of those employees and their family members who are desirous of having treatments under indigenous system of medicines like Homoeopathy/Ayurvedhic, the following Homoeopathy/Ayurvedhic dispensaries are functioning in this Railway on part time basis.

Madurai Dn. (MDU)	- Homeopathy Dispensary
Palakkad Dn. (PGT)	- Homeopathy Dispensary
Tiruchchirapalli Dn. (TPJ)	- Homeopathy Dispensary
Golden Rock Workshop (GOC)	- Homeopathy Dispensary
Podanur Workshop (PTJ)	- Homeopathy Dispensary
Shoranur (Palakkad Dn.) (SRR)	- Ayurvedhic Dispensary
Cannanore (Palakkad Dn.) (CAN)	- Ayurvedhic Dispensary
Ayush – RH/PER	- Homeopathy Dispensary
Ayush – RH/PER	- Ayurvedhic Dispensary
Ayush – RH/PER	- Yoga & Naturopathy Dispensary
Ayush – RH/PER	- Siddha Dispensary

An amount of ₹. 27,41,162/- has been utilized in all the above dispensaries during 2019-20.

(v) Particulars of buildings in which **Homeopathic** dispensaries other Non-allopathic dispensaries are functioning.

(i) Railway Hospital Buildings	–	8
(ii) Railway Health Unit Buildings	–	2
(iii) In other Railway Buildings	–	Nil

(vi) RECREATIONS AND AMUSEMENT :**a. Holiday Camps :**

Due to Covid 19 pandemic, No Holiday Camp were conducted during the year 2019-2020.

(vii) Women empowerment activities

An amount of Rs.28,67,676 /- was allotted towards Women Empowerment Activities. Out of which, an amount of Rs.4,05,650 /- have been sanctioned towards gender sensitization programmes and International Women's Day celebrations held at Hqrs respectively.

(viii) Salient features of Southern Railway Women's Headquarters organization**(SRWHQO)**

- **Ashraya:** A school for special children for wards of Railway men and outsiders is being run by the Southern Railway women's Welfare Organization (Headquarters), Chennai at Egmore
- The children on roll with varying degrees of IQ are trained in academics and vocation. The students are provided with all necessary physiotherapy equipments . Apart from Headquarters organization, such schools for special children are run by Southern Railway Women's Organisation/Tiruchchirappalli (Udhaya) and Southern Railway Women's Organisation, Madurai (Akshaya) and Southern Railway Women's Organisation/ Chennai (Ashraya) at AJJ. Due to pandemic situation, the above mentioned special schools at present are temporarily not functioning.
- **Welfare:** A Crèche named " Blossoms " is functioning at Brock Road, Perambur (near RH/PER) for the benefit of working parents. Also Creche one each at Poojappura (Jingle Bell Creche) TVC & GOC and two (Mamtha & Valsalyam) at PGT are functioning. These crèches are temporarily closed due to pandemic situation. A canteen managed by SRWO/TPJ is functioning at GOC.
- **Shop:** A retail shop with name " Swabhimani " at Railway Hospital, Perambur and a retail-cum-light refreshment shop called as "Samarpanam" at Brock Road (near RH/ PER) is functioning to cater to the needs of In-patients and their family members and Railway men.
- **Other activities:** Madurai Division has one Matric School (SRWWO Matriculation School) upto Xth Std and Chennai Division has one Matric School (Railway Bala Bhavan Matric Hr.Sec.School at Ayanavaram) up to 12th Std. Two Primary Schools one at Salem with name " Saraswati Vidyalaya" and another one at Erode with name " Cauvery Nursery & Primary School" are run by this organization in Salem Division. One nursery School (Vivekodaya

Nursery School for LKG & UKG) and one handicraft centre (Shilpalaya) for the wives and wards of Railway men is functioning at Palakkad. One Computer Centre with name "Railnet Software Solution" is run by Madurai Division to impart computer education with affordable cost to Railway wards and outsiders. It is a hub for doing software based projects and for Internship training for Engineering students. Railway wards are given considerable concession of fees and certificates are issued on completion of course.

(ix) Details Of Co-Operative Society.

There are 3 registered Co-op. Societies in Southern Railway at MAS, TPJ & TVC/ERS.

(x) Consumer/Co-operative /Credit/Society

There are 14 Co-op Consumer Societies in Southern Railway at MDU, VRT, DG, TEN, AJJ, PGT, TJ, ERS, QLN, JTJ, SA, ONR, PER.

II. Additional information of staff strength required to be incorporated vide Board's letter No.86/stat. 1/5 dt. 5th June 1986 is given as under :

		2019-2020	Remarks
		Group 'C'	
1. Signal & Telecommunication Department			
(i)	Signal (SSE)	227	
(ii)	Telecommunication (SSE)	165	
(iii)	Microwave (Artisans)	-	
2. Civil Engineering Department			
(i)	Civil Engineering Permanent Way (SSE)	310	
(ii)	Civil Engineering Works (SSE)	195	
(iii)	Civil Engineering Bridges (SSE & JE)	25	
(iv)	Civil Engineering Workshop (SSE & JE)	32	
3. Electrical Department			
(a)	Workshop & production Units		
(i)	EMUs	-	
(ii)	Others	60	
(iii)	Electric Locos	-	

		2019-2020	Remarks
		Group 'C'	
3. Electrical Department			
(b)	Open Line		
(i)	Electric Loco Shed	-	
(ii)	EMU Shed	-	
(iii)	Rolling Stock Operation	8	
(iv)	Traction Distribution	6	
(v)	General Services	12	
	© Construction		
(i)	Railway Electrification		
(ii)	Organization		
4 Commercial			
(i)	Commercial Clerks	2355	
(ii)	Ticket Checking Staff	2907	
(iii)	Catering Staff	79	
(iv)	Bungalow lascar	15	
5 Operating			
(i)	Train Clerks	336	
(ii)	Guards	1748	
(iii)	Traffic Signallers	-	
(iv)	Shunting Staff	5437	
(v)	Yard Staff		
(iv)	Others	-	
6 Mechanical			
	Workshops & Production Shops		
(i)	Steam Locos	Post controlled by Division/ Workshop	
(ii)	Diesel Locos		
(iii)	Carriage & Wagon		
(iv)	AC Locos		
(v)	Other activities		
	a. Ministerial	159	
	b. CRC/PRC	3	
	c. Chief loco Ins	3	
	d. SS/DSL/HQ/Mech. & Elect	139	
	e. SS/DSL/HQ/Elec	83	

(9) SPORTS ACTIVITIES :

Southern Railway Sports Association has prominent sportspersons who participate in State, National and International tournaments and brought laurels to India and Indian Railways.

Important achievements of SRSA and meritorious performance of Sportspersons of Southern Railway at various Championships is highlighted below :-

ACHIEVEMENTS OF SOUTHERN RAILWAY SPORTS PERSONS IN THE INTERNATIONAL ARENA

Sl. No.	Name	Details of Championship			
		Name	Venue	Dates	Position
ATHLETICS					
1	P.U.Chitra	Asian Athletic Championships	Doha	24 - 24th April 2019	1st in 1500m
		World Athletic Championships		27th Sep. to - 6th Oct 2019	Participated
		Nexit General Invitation Athletic Championships	Netherlands	13 - 15th June 2019	1st in 1500m
		Folksam Grand Prix Athletic Championships	Sweden	18th June 2019	1st in 1500m
BODYBUILDING					
1	E.Karthick.	World Bodybuilding Championships	Jegu Island,korea	5-11 Nov 2019	3 rd in 85Kg
2	R.Satish kumar				3 rd in 75Kg
CUE SPORTS					
1	Rafath Habib	IBSF World Snooker Champ-Men & Masters	Anatalya (Turkey)	29th Oct to 9th Nov,2019	Participated
VOLLEYBALL-WOMEN					
1	Minimol Abraham	Asian Senior Volleyball Championships		17-25 Aug 2019	Participated
ACHIEVEMENTS OF SOUTHERN RAILWAY SPORTS PERSONS IN THE SAF GAMES					
Sl. No.	Name	Venue	Dates	Event	Position
1	M.S.Poornima	Kathmandu Nepal	1 – 10 December 2019	Volleyball	Gold
2	Minimol Abraham				
3	P.U.Chitra			1500m	Bronze
4	Chandralekha			200m	Bronze
5				4 x 100 Relay	Silver
6	Kanimozhi			110m Hurdles	Participated
7	M.A.Siva Anbarasi			Triple Jump	
SOUTHERN RAILWAY OFFICIALS NOMINATED IN THE INTERNATIONAL MEETS AS COACHES/REFEREES					
Details of Championship					
Sl. No.	Name	Name	Venue	Dates	Position
ATHLETICS					
1	P.T.Usha	International Meeting G.Kossanov Memorial	Kazakistan	6-7 July 2019	
		International Competitions	Tatyana.	12-14 July 2019	
ACHIEVEMENTS OF SOUTHERN RAILWAY SPORTS PERSONS & COACHES IN THE USC WORLD RAILWAY GAMES					
Sl. No.	Name	Details of Championship			
		Venue	Dates	Event	Position
ATHLETICS					
1	Chandralekha	Trutnov, Chez Republic	September 2019	100m	Gold
				200m	Gold
2	Chavi Sharawath			4 x 100 Relay	Gold
				100m	Silver
				200m	Silver
				400m	Silver
				4 x 100 Relay	Gold
VOLLEYBALL-MEN					
1	Manu Joseph	Albenia, Bulgaria	August 2019	Player	Gold
2	T.C.Jotish			Coach	

ACHIEVEMENTS OF SOUTHERN RAILWAY SPORTS PERSONS IN THE NATIONAL CHAMPIONSHIP

Sl. No.	Name	Details of Championship			Position
		Venue	Dates	Event	
ATHLETICS					
1	Chandralekha	Ranchi	10-13 Oct 2019	100m	4th
				200m	3rd
				4 x 100 relay	1st
2	P.U.Chitra			1500m	1st
				800m	1st
3	Chavi Sharavath			4 x 400 Relay	3rd
				4 x 400 mixed Relay	2nd
4	Kanimozhi			100m Hurdles	1st
5	M.A.Siva anbarasi			Triple Jump	3rd
6	V.Neena			Long jump	3rd
7	L.Suriya			5,000m	2 nd
	Elakiyadasan			10,000m	1st
				Long Jump	2 nd
				4 x 100m Relay	3rd
11	Manikanda Arumugam			200m	3rd
				4 x 100 Relay	3rd
13	K.P.Bimin			Pole Vault	3rd
BASKETBALL-WOMEN					
1	Raja Priyadarshini	Ludhiana	21-28 Dec 2019		1st
2	Soniya Joy				
BOXING					
1	Ashish Insha	Baddi	3-10 Oct 2019	52 Kg	2nd
SWIMMING					
1	Emil Robin Singh	Bhopal	31 Aug.-4 Sept 2019	400mIM	2nd
3	Anoop augustine		4 x 200 Relay	3 rd	
			4 x 100 Relay	4th	
4	Aneesh Babu		Waterpolo	2nd	
VOLLEYBALL					
1	Minimol	Bhubaneshwar	25 Dec-2 Jan 2020		2 nd Place
2	M.S.Poornima				
3	Manu Joseph				
4	Minimol	Chittorgarh	15-21 Feb2020	Player	2 nd Place
5	M.S.Poornima				
6	Aboobacker				
			Men team Coach		
WEIGHTLIFTING					
1	Ramkumar	Kolkatta	2-7 Feb	61Kg	3rd

ACHIEVEMENTS OF SOUTHERN RAILWAY SPORTS PERSONS IN ALL INDIA RAILWAY CHAMPIONSHIPS:-

Sl. No.	Discipline	Details of All India Railway Championship			Position
		Railway	Venue	Date	
ATHLETICS					
1	Athletics-Women	CR	Pune	20-22 August 2019	First
2	Ball Badminton	SR	Chennai	16-18 December 2019	First
3	Snooker	CR	Mumbai	13-24 December 2019	First
4	6 Red				First
5	Basketball-Women	NFR	Guwahati	21-25 October 2019	Second
6	Table Tennis	NFR	Guwahati	3-7 July 2019	Second
7	Athletics-Men	CR	Pune	20-22 August 2019	Third
8	Swimming	ER	Kolkatta	23-27 July 2019	Third

ALL INDIA RAILWAY TOURNAMENTS ORGANIZED BY SOUTHERN RAILWAY SPORTS ASSOCIATION :-

Southern Railway Sports Association has organized the All India Railway Ball Badminton Championships in Chennai in December 2019.

V INCREMENTS GRANTED :-

Following Sportsperson were awarded Additional Increments for their Sports achievements.

S. No.	Name of the Player	Game	Sports Achievements	No of increment to be granted
1	S.Nitin	Chess	39th National Team Chess Championships at Kolkatta-Bronze	1
2	R.Rajesh	Ball Badminton	64th Sr National Ball Badminton Championships at Bengaluru-GOLD	2
3	A.Vivek			
4	Neena	Athletics	Medalist in Asian Games	2
5	P U Chitra	Athletics	1st in Asian Athletic Championship,2019	2
6	Pinto Mathew	Athletics	3rd in Sr Nationals 2014 and 2nd in 2016	2
7	M.B.Sateesh Kumar	Body Building	3rd in Sr Nationals 2019	1
8	Raja Priyadarshini	Basketball	Gold in Sr Nationals 2019	2
9	Chandralekha	Athletics	Medals at USIC in September 2019	5
10	Emil Robin Singh	Swimming	Medals at Sr Nationals	1
11	E.Karthick	Body Building	3rd in World Bodybuilding Championships-85 Kg	1
12	R.Satishkumar	Body Building	3rd in World Bodybuilding Championships-85 Kg	1
13	Ashish Insha	Boxing	2nd in Sr Nationals in 52 Kg	1

OUT OF TURN PROMOTIONS AS GROUP-B :-

Shri. Adisekar has been granted Out of Turn Promotion as OSD/MAS for his Sports Achievements as per R.B.E No.123/2018

OUT OF TURN PROMOTIONS GRANTED :-

Following Sportsperson were awarded Out of Turn Promotions for their Sports achievements.

S. No.	Name of the Player	Game
1	H.Anas	Body Building
2	Raja Priyadarshini	Basketball
3	Anoop Raju	Bodybuilding
4	Sajeesh Joseph	Athletics
5	Neena	Athletics

RECRUITMENT:-

- Twenty Nine (29) Sportspersons were recruited under Open Advertisement and Talent Scouting Scheme for the year 2019-2020.

EVENTS ORGANISED IN SOUTHERN RAILWAYS:-

- Southern Railway Sports Association has successfully organised Unity of India Run.

Provision of Staff Quarters for the year 2019-20													
1. Provision of Quarters													
Sl. No.	Type of Quarters	Division	Programmed				No. of Quarters under various stage of construction as 31-03-2020	Quarters involved in schemes				No. of Quarters under various stage of construction as 31-03-2020	Total No. of Quarters provided upto 31-03-2020 including Quarters involved in schemes new lines doubling etc.
			2018-19		2019-20			2018-19		2019-20			
			No. of Units	App. Cost Rs. in Lakhs	No. of Units	App. Cost Rs. in Lakhs		No. of Units	App. Cost Rs. in Lakhs	No. of Units	App. Cost Rs. in Lakhs		
1.	Type-I	MAS	-	-	-	-	-	-	-	-	-	-	
2.		SA	-	-	-	-	-	-	-	-	-	-	
3.		PGT	-	-	-	-	-	-	-	-	-	1638	
4.		TVC	5	44.3	5	44.30	0	12	168.88	12	168.88	5	
5.		TPJ	-	-	-	-	-	-	-	-	-	-	
6.		MDU	-	-	-	-	-	-	-	-	-	-	
7.		CE/CN/ERS	-	-	-	-	-	-	-	-	-	-	
8.		CE/CN/MS	-	-	-	-	-	-	-	-	-	-	
9.		MTP	-	-	-	-	-	-	-	-	-	-	
		Total	5	44.3	5	44.30	0	12	168.88	12	168.88	1643	
1.	Type-II	MAS	4	32	4	32.00	-	-	-	-	-	-	
2.		SA	44	606.30	44	606.30	44	-	-	-	-	-	
3.		PGT	52	925.84	0	0.00	12	-	-	-	-	1125	
4.		TVC	-	-	-	-	-	4	47	4	47.00	-	
5.		TPJ	22	340.24	24	324.68	-	-	-	-	44	2	
6.		MDU	8	113.10	-	-	-	-	-	-	-	-	
7.		CE/CN/ERS	-	-	-	-	-	-	-	-	48	48	
8.		CE/CN/MS	-	-	-	-	-	-	-	-	-	-	
9.		MTP	-	-	-	-	-	-	-	-	-	-	
		Total	130	2017.5	72	962.98	56	4	47	4	92	1175	
1.	Type-III	MAS	11	154	11	154.00	-	-	-	-	-	-	
2.		SA	-	-	-	-	-	-	-	-	-	-	
3.		PGT	-	-	-	-	6	-	-	-	-	238	
4.		TVC	-	-	-	-	-	2	53	2	53.00	-	
5.		TPJ	2	41.66	-	-	-	-	-	-	2	-	
6.		MDU	3	42.00	-	-	-	-	-	-	-	-	
7.		CE/CN/ERS	-	-	-	-	-	-	-	-	-	-	
8.		CE/CN/MS	-	-	-	-	-	-	-	-	-	-	
9.		MTP	-	-	-	-	-	-	-	-	-	-	
		Total	16	237.66	11	154.00	6	2	53	2	53.00	238	

[illegible]

Provision of Staff Quarters for the year 2019-20												
1. Provision of Quarters												
Sl. No.	Type of Quarters	Division	Programmed			No. of Quarters under various stage of construction as 31-03-2020	Quarters involved in schemes			No. of Quarters under various stage of construction as 31-03-2020	Total No. of Quarters provided upto 31-03-2020 including Quarters involved in schemes new	
			2018-19	No. of Units	App. Cost Rs. in Lakhs		2019-20	No. of Units	App. Cost Rs. in Lakhs			2019-20
	lines doubling etc.											
1.	Barracks	MAS	-	-	-	-	-	-	-	-	-	
2.		SA	-	-	-	-	-	-	-	-	-	
3.		PGT	-	-	-	-	-	-	-	-	-	
4.		TVC	-	-	-	-	-	-	-	-	-	
5.		TPJ	-	-	-	-	-	-	-	-	-	
6.		MDU	-	-	-	-	-	-	-	-	-	
7.		CE/CN/ERS	-	-	-	-	-	-	-	-	-	
8.		CE/CN/MS	-	-	-	-	-	-	-	-	-	
9.		MTP	-	-	-	-	-	-	-	-	-	
Total			0	0	0	0	0	0	0	0	0	

Provision of Staff Quarters for the year 2019-20												
Sl. No.	Type of Quarters	Programmed Quarters No. of Quarters completed			No. of Quarters under various stage of construction as 31-03-2020	Quarters involved in schemes- New lines doubling etc. No. of Quarters			No. of Quarters under various stage of construction as 31-03-2020	Total No. of Quarters provided upto 31-03-2020 including Quarters involved in schemes new lines doubling etc.		
		2018-19	No. of Units	App. Cost Rs. in Lakhs		2019-20	No. of Units	App. Cost Rs. in Lakhs			2019-20	No. of Units
1.	Type I	..	..	44.3	0	12	0	12	0	168.88	1643	
2.	Type II	..	..	2017.48	72	4	47	4	92	47	1175	
3.	Type III	..	..	237.66	11	2	53	2	2	53	238	
4.	Type IV	..	..	335	15	0	0	0	0	0	70	
5.	Type IV SPL	..	..	0	0	0	0	0	0	0	0	
6.	Type V	..	..	0	0	0	0	0	0	0	16	
7.	Barracks	..	..	0	0	0	0	0	0	0	0	
Total		..	..	2634.44	98	18	0	18	94	268.88	3142	

XIII. यात्रियों को सुख-सुविधाएं/AMENITIES FOR PASSENGERS

1. Permanent Augmentation during the Financial year 2019-20.

Sl. No.	Month	Train No. & Description	Notification No.	Notification dated	W.E.F	WGFA	WFWAC	LWACW	WGACW	LWACN	WGACN	WGSN/WSN	LWSCZAC	WGSCZAC/J	WGSCZ	GS/LS	SLR	DMU Coach	TOTAL	No. of Rakes	Net chs added	
	Apr-19	-	-	-	-	..	..	..	..	..	..	..	..	..	..	..	..	..	0	0	0	
	May-19	-	-	-	-	..	..	..	..	..	..	..	..	..	..	..	..	..	0	0	0	
1	June-19	16780/79 RMM-TPTY-RMM	1/2019-20	24-05-2019	01-06-2019	..	..	..	..	..	1	..	..	..	..	..	..	..	1	2	2	
2		22621/22 RMM-CAPE-RMM			01-06-2019	..	..	..	..	..	1*	4	..	..	..	..	..	..	..	4	2	8
3		22657/58 TBM-NCJ-TBM			03-06-2019	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	1	1
4		12689/90 MAS-NCJ-MAS			07-06-2019	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	1	1
5		22631/32 MDU-BKN-MDU			06-06-2018	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	1	1
	July-19	-	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	Aug.-19	-	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
6	Sep-19	16791/92 TEN-PGT-TEN	T.478/Rake Link Vol.II	24-09-2019	28-09-2019	..	..	..	..	..	..	4	..	..	..	..	..	..	4	2	8	
7		16031/32 MAS-SVDK-MAS	02/2019-20	26-09-2019	29-09-2019	..	..	..	1	..	1	..	..	..	..	..	..	..	1	4	4	
8		16093/94 MAS-LJN-MAS			28-09-2019	..	..	..	..	..	..	..	..	..	..	..	..	..	0	0	0	
9		16003/04 MAS-NSL-MAS	03/2019-20	27-09-2019	29-10-2019	..	..	..	1	..	..	1	..	..	..	..	..	..	1	1	1	
10		22601/02 MAS-SNSI-MAS			02-10-2019	01-10-2019	..	..	..	..	..	..	..	..	..	..	..	..	..	0	0	0
11	Oct-19	12643/44 TVC-NZM-TVC	04/2019-20	2210-2019	29-10-2019	..	..	..	..	..	1	..	..	..	..	..	..	..	1	8	8	
12		22641/42 TVC-SHM-TVC			24-10-2019	..	..	..	..	..	1	..	..	..	..	..	..	..	..			1
13		22646/45 TVC-INDB-TVC			26-10-2019	..	..	..	..	..	1	..	..	..	..	..	..	..	..			1
14		22648/47 TVC-KRBA-TVC			24-10-2019	..	..	..	..	..	1	..	..	..	..	..	..	..	..			1
15		22633/34 TVC-NZM-TVC			30-10-2019	..	..	..	..	..	1	..	..	..	..	..	..	..	..			1
16		22653/54 TVC-NZM-TVC			26-10-2019	..	..	..	..	..	1	..	..	..	..	..	..	..	..			1
17		22655/56 TVC-NZM-TVC			30-10-2019	..	..	..	..	..	1	..	..	..	..	..	..	..	..			1
18	Nov-19	12645/46 ERS-NZM-ERS	05/2019-20	23-10-2019	02-11-2019	..	..	..	..	..	1	..	..	..	..	..	..	1	1	1		
19	Nov-19	16609/10 MAQ-NCJ-MAQ	06/2019-20	25-10-2019	05-11-2019	..	..	..	..	..	..	..	1	..	..	..	..	1	4	4		
20	Nov-19	22609/10 MAQ-CBE-MAQ			07-11-2019	..	..	..	..	..	..	1	..	..	..	..	..	..			1	
					Total	..	..	..	..	..	..	..	..	..	1	..	..	..	33	42		
					Net coaches augmented = 42 Coaches																	

1. Permanent Augmentation during the Financial year 2019-20.

Sl. No.	Month	Train No. & Description	Notification No.	Notification dated	W.E.F	WGAC	WFCWAC	LWACCW	WGACCW	LWACCN	WGACCN	WGSQNLWSON	LWSCZAC	WGSCZAC/J	WGSCZ	GS/LS	SLR	DMU Coach	TOTAL	No. of Rakes	Net chs added	
21	Nov-19	22620/19 TEN-BSP-TEN	07/2019-20	11-11-2019	17-11-2019	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1	1	
22	Nov-19	22657/58 TBM-NCJ-TBM			13-11-2019	..	..	..	..	..	..	..	2	..	..	..	..	..	..	2	1	2
23	Nov-19	12689/90 MAS-NCJ-MAS			15-11-2019	..	..	..	..	..	..	..	2	..	..	..	..	..	..	2	1	2
24	Nov-19	12659/60 NCJ-SHM-NCJ	08/2019-20	13-1-2019	24-11-2019	..	..	..	..	..	1	..	..	..	..	..	..	..	1	1	1	
25	Nov-19	12664/63 TPJ-HWH-TPJ			15-11-2019	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	2	2
26	Nov-19	16336/35 NCJ-GIM-NCJ			26-11-2019	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	1	1
27	Nov-19	16618/17 CBE-RMM-CBE			19-11-2019	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	1	1
28	Nov-19	16614/13 CBE-RJT-CBE	09/2019-20	20-11-2019	21-11-2019	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1	1	
29	Nov-19	16793/94 RMM-FD-RMM			17-11-2019	..	..	..	..	..	..	2	..	..	..	..	..	..	..	2	1	2
30	Nov-19	16616/15 CBE-MQ-CBE			18-11-2019	..	..	..	..	..	..	3	..	..	..	..	..	..	..	3	2	6
31	Nov-19	16159/60 MS-MAQ-MS			25-11-2019	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	3	3
32	Nov-19	16332/31 TVC-CSMT-TVC			30-11-2019	..	..	..	..	..	1	1	..	..	..	..	..	..	2	1	2	
33	Dec-19	16343/44 TVC-MDU-TVC			02-12-2019	..	..	..	..	..	..	1	..	..	..	1	..	..	1	2	2	
34	Nov-19	22648/47 TVC-KRBA-TVC			28-11-2019	..	..	..	..	..	..	2	..	..	..	1	..	..	..	2	2	4
35	Nov-19	16175/76 MS-KIK-MS			30-11-2019	..	..	..	..	..	..	1	..	..	..	1	..	..	..	1	2	2
36	Dec-19	16187/88 ERS-KIK-ERS			01-12-2019	..	..	..	..	..	..	..	..	..	1	..	..	..	1	2	2	
37	Dec-19	16354/53 NCJ-KCG-NCJ			03-12-2019	..	..	..	..	..	..	1	..	..	..	..	..	..	0	1	1	1
38	Dec-19	22631/32 MDU-BKN-MDU	10/2019-20	22-11-2019	28-11-2019	..	..	..	..	2	..	..	..	..	..	..	..	..	2	1	2	
39	Dec-19	22613/14 MAS-HLZ-MAS	11/2019-20	22-11-2019	12-12-2019	..	..	..	..	..	..	5	..	..	..	..	..	..	5	1	5	
40	Dec-19	22633/34 TVC-NZM-TVC	12/2019-20	27-11-2019	04-12-2019	..	..	..	..	..	..	1	..	..	..	..	..	..		1	1	
41	Dec-19	12645/46 ERS-NZM-ERS			07-12-2018	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1	1	
42	Dec-19	22657/58 TBM-NCJ-TBM			02-12-2019	..	..	..	..	..	..	1	..	..	..	..	..	..	1	2	2	
43	Dec-19	12689/90 MAS-NCJ-MAS			01-12-2019	..	..	..	..	..	..	1	..	..	..	..	..	..	1			
44	Dec-19	22604/03 VM-KGP-VM			24-12-2019	..	..	..	..	..	..	1	..	..	..	..	..	..	1	2	2	
Total						..	1	..	1	1	12	1	..	..	..	1	..	..	..	33	42	
Net coaches augmented = 42 Coaches																						

[illegible]

2. Drinking Water Arrangements

Sl. No.	Divisions	Name of work	Estimate cost (Rs. in lakhs)
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(I) Works Completed**a. Works costing More than Rs.5 lakhs each.**

1	MAS	..	-	
2	SA	..	-	
3	PGT	..	-	
4	TVC	..	Ernakulam Area - Supply of drinking water to Railway Establishemnt at Ernakulam, Ernakulam Marshalling Yard and Irumanam Yard.	20.68
		..	CAPE - Supply of drinking water to Railway Establishment.	0.22
		..	Ernakulam Area - Supply of drinking water to Railway establishemtns.	43.98
5	TPJ	..	784 No. of taps provided so far. 132 No. of Tube wells provided so far.	
6	MDU	..	SSE/W/SCT(i) Complete renewal of drinking water pipe lines in the station and colonies at SCT station.	50.00
7	CE/CN/MS	..	-	
8	CE/CN/ERS	..	-	
9	MTP	..	Puzhithivakkam - Drinking water arrangements-GLR and connection charges.	3500 (Cost of GLR & Pipelines)

a. Works costing More than Rs.5 lakhs each.

1	MAS	..	-	
2	SA	..	-	
3	PGT	..	-	
4	TVC	..	CAPE - Supply of drinking water to Railway Establishment.	0.22
5	TPJ	..	-	
6	MDU	..	(i) TML Station-Repairs to corroded GI Pipe lines.	4.00
		..	(ii) KKZ Station - Repairs to cotrroded GI pipe lines.	3.00
		..	SSE/W/VPT	
		..	(iii) VPT - Repairs to roofing and side meshing in Steel Tanks on PF No.1/VPT.	0.17
		..	(iv) VPT - Provision of roofing and side meshing arrangements for sedimentation tank.	4.85
		..	(v) SGLM - Drilling of Bore well.	2.23
		..	(vi) SVKS - Drilling of Bore well.	2.23
		..	(vii) Repairs of TWARD Board pipe line work in SSE/W/DG section.	4.90
		..	(viii) Repairs to Hanumantha Nagar Pipe line work in SSE/W/DG section.	3.94
		..	(ix) Repairs of TSS Bore well & Pipe line arrangement work in SSE/W/DG section.	1.51
		..	(x) Repairs to bore well in SSE/W/DG section.	1.59
7	CE/CN/MS	..	-	
8	CE/CN/ERS	..	-	
9	MTP	..	-	

Sl. No.	Divisions	Name of work	Estimate cost (Rs. in lakhs)
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B. Works In Progress**a. Works costing more than Rs.5 lakhs each.**

1	MAS	..	CGL-POTI-MYP - PF pipe line renewal work in all PF.	4230
		..	RPM : Drinking water supply	77.02
		..	TBM : Drinking water supply	112.62
		..	ADEN/KPD:Drinking water supply	32.20
		..	Drinking water by tanks mounted on lorry in MSB, MPK, MMC & NGO complex.	53.85
		..	ADEN/Bldg/I/MAS: Drinking water by tanks mounted on lorry in MAS & BBQ	78.39
2	SA	..	SGE-TUP-Provision of Soft-Upgrades to station - PF shelter, Water Cubicle, Water Tub.	21.00
3	PGT	..	-	
4	TVC	..	-	
5	TPJ	..	ADEN/TJ & ADEN/TVR Sub Division: Supply of potable water through tankers to various 69 manned LC Gates for a period of one year including provision of PVC tank with staging arrangements in ADEN/TJ and ADEN/TVR sub divisions.	33.87
		..	ADEN/MV Sub Division:Supply of potable water through tankers to various 55 manned LC gates for a period of one year including provision of PVC tank with staging arrangements in ADEN/MV sub divisions.	26.92
5	TPJ	..	VM-PDY, VM-KPD & VM-TPJ (CL) Supply of water through tankers to 89 manned LC gates for a period of one year including provision of PVC tank with staging arrangements.	55.77
6	MDU	..	SSE/W/KKDI(i) Rameswaram - Construction of RCCover head tank of 90000 litres capacity (2 Nos.) pumping arrangement from radial wells around main well at ROD and providing 3 new wells.	86.62
		..	(ii) Rameswaram-Joint development of stations in association with Ministry of Tourism for Railway portion in Divisional Engineer/North Jurisdiction - Part-II (Proposed ground level reservoir of one lakh capacity and two lakh capacity, constrction of rCC Over Head Tank 90000 litre capacity) @ RMM station.	148.56
		..	SSE/W/MDU - MDU Jn: Supply portable water in tank mounted lorry to Madurai station & Colony, Kudal Nagar and Madurai East Stations for a period of one year.	68.25
7	CE/CN/MS	-	-	
8	CE/CN/ERS	-	-	
9	MTP	-	-	

2. Drinking Water Arrangements

Sl. No.	Divisions	Name of work	Estimate cost (Rs. in lakhs)
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B. Works In Progress**b. Works costing less than Rs.5 lakhs each.**

1	MAS	..	ADEN/Bldg/I/MAS: Trucking out drinking water supply.	4.91
2	SA	..	ONR - Providing individual pipe line & PVC tank to Qrts. No.39 & 40 Block @ ONR.	3.10
		..	ONR - Providing individual pipe line & PVC tank to Qrts. No.21 Block @ ONR.	2.07
		..	ONR - Providing individual pipe line & PVC door to Quarters No.41 Block @ ONR.	2.03
3	PGT	..	-	
4	TVC	..	-	
5	TPJ	..	-	
6	MDU	..	SSE/W/DG - (i) Repairs of pipe line work, Old Colony @ PLNI Station.	4.70
		..	(ii) Repairs of RWH at Tamaraipadi, Vadamadurai and Akkaraipatti stations.	1.89
		..	(iii) Repairs of RWH at Ayyalur, Kalpattichataram and Vayampatti stations.	2.02
7	CE/CN/MS	..	-	
8	CE/CN/ERS	..	-	
9	MTP	..	-	

Summary of AC & Non-AC Augmented during the year 2019-20

Summary of AC & Non-AC Augmented during the year 2019–20							
Summary of AC Coaches		LHB			Summary of Non AC Coaches		
CBC/IRS					LHB/CBC/IRS		
WG FAC	..	LW FAC	..		WG SCN	69	
WG FAC CW/FCWAC	..	LW ACCW	..		LW SCN	1	
WG ACCW	13	LW ACCN	3		WG SCZ/CZJ	6	
WB ACCN	10	LW SCZAC	..		GS	2	
WG SCZAC/J	6				LS		
					SLR		
					DEMU-TC		
	29	Total	3		DEMU-DPC		
Toatal		32		0	Total	78	
G. Total of coches aug			110				

PASSENGER AMENITIES WORKS COMPLETED 2019-20

Sl. No.	Name of Work	Cost in 1000s of Rs.
	Works Completed	
	CHENNAI	
1	Escalator commissioned in MS & KPD stations during the year.	
2	Lift commissioned at AJJ station in PF No.2&3	
3	New Foot Over Bridges are constructed at 7 stations i.e. MJR, PON, ENR, APB, ELR, AIP.	
4	New High Level Platform constructed in PEL, DVR, LTI, VLT & MPI stations	
5	Double Discharge Platform work completed in MS & GDY stations.	
6	Escalator commissioned in MS station	
7	Divyangjan Toilets provided at 76 stations	
8	MEA Toilet provided at GDY, MJR stations.	
9	'May I Help You Booth' provided at 8 stations i.e KPD, TBM, AB, AVD, MLMR, PER, TRT & TRL.	
10	Amenities of identified Adarsh stations i.e RPM,CJ, KPD are completed in all aspects.	
11	617 Nos of Stainless steel Benches are provided at various stations of MAS division.	
12	4 Nos. of Limited Use Subways have been constructed during the year	
13	PF Extension done at VLT, VN, WJR & MPI	
14	New Booking office commissioned at GYM & AJJ(South) stations.	
15	New retiring rooms (2AC & 4 Non AC) commissioned at KPD station.	
16	Pedestrian subway work done at the following locations. a) AJJ-JTJ VIT Subway Deposit work b) WST-KOK 11A Deposit work c) MAS-AJJ VEU subway Pedestrian subway	Nil
	SALEM	
	i) Escalators at various stations (22 no.) (10 stations) and Lifts at A1, A & Other Pilgrim stations on Indian Railways, (with high passenger density) (400 Nos) - Salem Division - Escalators at ED 2 Nos. and Lift, Well at ED - 2Nos.	106.04
	ii) Up-Gradation of Renovation of Pay and Use Toilet in PF No.1 at TUP.	11.72
	iii) Up-Gradation and Renovation of Pay & Use Toilet in PF No.2 at TUP.	12.21
	iv) Construction of Public Toilet at Totiyapalayam (TPM)	6.46
	v) Construction of New Public Toilet in PF 3/4 at ED.	20.47
	vi) Provision of Soft Upgrades to station over DEN/West/SA Portion (ADEN/PTJ - SSE/Works/ONR section)	367.16
	vii) Paver block in front of Loco Displayed at UAM.	3.41
	viii) Repairs to Umbrella and painting work at QLR, HLG, RME and painting inauguration board at Loco Shed/ONR.	3.08
	ix) Loco Shed yard flooring concrete and observation room UPVC windows.	4.96
	x) Providing of step and hand rail of selfie point at ONR.	3.21
	xi) Platform Shelter / Half size shelter over SA division (Sr.DEN/West portion) DWP/15-16.	22.89
	xii)Provision for construction / Upgrading of toilets for Male / Female Divyang at various station situated over Salem Division through Zonal mode of contract.	600.00
	xiii) Construction of Divyangjan Toilet at Anangur (ANU)	4.28
	xiv) Construction of Public Toilet at Cauvery (CV)	4.50
	xv) Upgradation of Upper Class Waiting hall Toilets @ PF 1/2 at ED.	5.00

PASSENGER AMENITIES WORKS COMPLETED 2019-20

Sl. No.	Name of Work	Cost in 1000s of Rs.
	Works Completed	
	PALAKKAD	
	i) MAQ - Development of second entry - Provision of IRS type platform shelter 3 bays 14.50 m wide on PF.	157.62
	ii) NLE - Provision of extension of existing FOB (IRS Type)	55.18
	iii) Kozhikkode - Resurfacing of PF No.2/3 with dewatering concrete	50.92
	iv) BDJ - Provision of Escalator in PF No.2/3 (Civil Work)	45.60
	v) PGT Divn. - Provision for Mini Shelters 3 each at 14 stations in DEN/E/PGT jurisdiction.	88.93
	vi) Provision of Soft Upgrades to station over DEN/West/SA Portion (ADEN/PTJ - SSE/Works/ONR section)	249.18
	vii) CAN - Repairs to the wall and floor near bay line.	2.90
	viii) CAN - Repairs to the PF No.1 floor near subway.	2.46
	ix) CAN - Repair to the Auto bay and circulating area PF No.1 floor near subway.	2.75
	x) CAN - Repairs to the PF near Pay & Use toilet.	2.61
	xi) KPQ - Repair to the PF shelter gutter	2.37
	xii) DMD to PAZ - Painting of coping slabs and brightening of station name boards.	1.51
	xiii) CAN - Repairs to the roof and plinth of GLR	3.08
	xiv) MHE - Repairs to the flooring of the duty SM room and gutter on PF shelter.	1.91
	xv) CAN - Repairs to the subway drain and drain cover	2.46
	xvi) PTB - Repairs to cutting at PF No.2 SRR end.	4.68
	xvii) PTB - Repairs to roofing of the sheet at PF roof and galvalum sheet at FOB.	4.82
	THIRUVANANTHAPURAM	
	i) Korattiangadi - Extension of platform No. 1 & 2	61.36
	ii) Improvements to circulating area and station approach road in PVRD, IRP, MYV, PVU, KFI & EVA station.	41.96
	iii) Improvements to circulating area and station approach road in OCR, KPY & STKT station.	53.82
	iv) VAK-TVP Section - Repair to circulating area, approach roads demarcation of parking area at station (VAK, AMY, KVV, CRY, PGZ, MQU, KXP, VE, KCVL & TVP).	155.03
	v) SRTL - Extension and raising of platform No.2 & 3.	145.19
	vi) CNGR - Improvements to platform and provision of PF shelter on platform No.1	70.85
	vii) KXP - Provision of passenger amenities to develop at Adarsh Stations.	73.34
	viii) KTYM - Proposed widening of platforms.	32.11
	ix) ALLP - Improvements to circulating area. 8261	74.37
	x) CHTS - Repairs to station building and circulating area.	82.61
	xi) NCJ - Proposed lift on PF No.1, 2 & 3 - 2 Nos. (Balance works)	26.90
	xii) PVU - Provision of passenger amenities to develop Adarsh Station.	43.98
	xiii) CRY - Provision of passenger amenity to develop as Adarsh Station.	47.51
	xiv) Provision of water tap at various stations in Divisional Engineering/North Jurisdiction.	
	xv) (a) KTYM - Proposed modification for VIP entry (b) Proposed painting of existing platform shelter at TRTR, MTNC, KFQ, KPTM, PVRD, ETM, KTYM, TRVL, CGV & CGY.	20.71
	xvi) ERN - Provision of retiring room and dormitory.	8.21

PASSENGER AMENITIES WORKS COMPLETED 2019-20

Sl. No.	Name of Work	Cost in 1000s of Rs.
	Works Completed	
	THIRUCHCHIRAPPALLAI	
	TPJ-MQ - Proposed High Pressure jet cleaning system for PF No.1 & 2 at Mannargudi.	1256.00
	MADURAI	
	i) Construction of FOB at KDNL and KUV station.	200.00
	ii) SCT - Provision of 2 Bays of PF shelter in PF No.2 and 2 Bays in PF No.1	7.00
	iii) Improvement of circulating area at AVS, KLQ and KKZ station.	1.50
	iv) Improvements to Pay & Use toilet, Upper Class Waiting Hall, Shelter Pedestal at SCT station.	1.50
	v) Paramakudi Station - Proposed Extension of existing platform No.1, 2 & 3 for a length of 580 m.	38.62
	vi) VPT & SRT - Provision of Coach Indication Boards in PF No.4/VPT, PF No.2/SRT.	2.78
	vii) TDN & TMQ - Provision of Coach Indication Boards in PF No.2/TDN & PF No.1 & 3 TMQ.	4.19
	viii) PVT - Repairs to roofing of PF shelter rear side for SSE/W/O/VPT on PF No.1.	2.73
	ix) SRT - Repairs to flooring in waiting hall at PF No.1	1.67
	x) VPT - Brightening up of Coing Wall in PF 1, 2, 3 & 4 and painting of name boards.	3.94
	xi) VPT - Provision of Contactless Ticket Checking Cabin.	0.70
	xii) RJPM - Provision of covered shed to the pathway from concourse to platform at station.	3.66
	xiii) RJPM - Repairs to Garden in front of SM room.	3.43
	xiv) Brightening of PF wall and coping & deeweeding of bushes at TTL, SVKS & SVPR stations.	3.98
	xv) RJPM - Provision of Name Board at TSI end.	0.55
	xvi) TTL - Provision of Baricase.	0.32
	xvii) SRT - Repairs to flooring in waiting hall at PF.No.1	1.67
	xviii) RJPM - Repairs to trolley path at PF No.1 at TSI end.	4.77
	xix) RJPM- Repairs to existing masonry water tub by replacing with Stainless steel water tub.	4.55
	xx) Replacement of AC sheet roofing into Galvalume sheet roof at RJPM station.	3.98
	xxi) Brightening of Station Buildings, PF shelter, Coping & Pale Fencing etc. Writing of Name Boards at RJPM station.	9.33
	xxii) Brightening of Station Buildings, PF shelter, Coping & Pale Fencing etc. Writing of Name Boards at RJPM station.	2.00
	xxiii) Repairs to platform surface at TDN, TMQ and SRT stations.	28.45
	xxiv) Provision of platform shelter 6 bays each in Kovilpatti - PF 1, and PF 2, Turicorin - PF No.1 and PF No.2 & 3, Tirunelveli - PF No.2 & 3 stations.	150.00
	CN/ERS	—
	CN/MS	—
	MTP —	—

2. Passenger Amenity Works.

During the year 2018-19, One Hundred and Twenty Six (126) passenger amenity works were completed.

During the year 2018-19, the Final Grant allotted for PA works was Rs. 54.80 Cr. whereas Rs. 57.42 Cr. was spent which is 105 % of Final Grant.

In the current year 2019-20, the Final Grant allotted is Rs. 111.85 Cr. whereas Rs. 114.44 Cr. was spent which is 103 % of Final Grant. Sixty Nine (69) passenger amenity works were completed during the period.

During the year 2019-20, Brailee passenger information boards were provided at Coimbatore (CBE), Salem (SA) and Karur (KRR) for the benefit of visually challenged passengers and at Trissur (TCR), a dedicated Divyangjan corner with digital information boards providing a one stop solution for differently abled passengers was provided.

5. Departmental Catering at Station :

6. Departmental Catering on Trains :

Catering services of Mobile units, Train side vending, Base kitchens, Cell kitchens, Refreshment rooms and Jan Ahaars at A1 and A category of stations, Food plazas, Fast Food Units, E-catering shall be managed by IRCTC as per Catering Policy 2017. Railway Board has accorded to transfer their mandate for installation of WVMs shall be managed by IRCTC till the expiry of contract period. **As such, there is no departmental catering at stations and no trains.**

7. Contract Catering :

Catering stalls, Milk stalls, Multipurpose stalls AVMs and Refreshment Rooms at A1 & A category stations, shall be managed by Zonal Railways as per Catering Policy 2017. Contractors for the same awarded by divisions through open tenders.

Multipurpose stall policy

In order to ensure decongestion in stations and platforms, a new policy viz. **MPS** policy is framed and under the policy, a single outlet/stall where catering items other than cooked items (PAD), travel accessories, Book/

Magazines, Newspapers, OTC medicines, dry/spary milk power, etc., are being sold. This outlet/stall is called as a multipurpose stall.

All the existing Book stalls (except Philanthropic) Curio Stalls and Miscellaneous stalls have been converted as MPS stalls duly obtaining the option of the licensees. Divisions have been prepared a blue print for MPS based on the scale of the static units and awarded contracts for new stalls through open tenders.

Stand Alone Self Dispensing Units (AVM)

Automatic Vending Machines shall be permitted only in the form of stand-alone self dispensing units. They shall not be permitted to sell any other items except those to be dispensed through these machines. The operations of the AVMs shall not involve any manual interface except for the purpose of refilling/repair/maintenance of machine. However, all dispensation related operations shall be through coin/currency/card only.

Tenders are called for the Standalone Self Dispensing Units (AVMs) by the divisions. It circulated to the Divisions. One unit at TBM railway station has been awarded and the same is to be commissioned shortly.

Details of catering and MPS units under management of Southern Railway are furnished as annexure I.

8. Affordable food Packets :

Janata Khana is available both at static units and in trains at Rs. 15/- and 20/- respectively.

9. Catering supervisory committee :

Catering monitoring cell (CMC) is functioning at Headquarters. Catering Inspectors are continuously monitoring the services of Pantry cars. From March 2016, a scheme called "Own your pantry car" has been introduced under which, each CIR has been assigned with a pantry car to improve the services and to redress the complaint received. Complaints are received through SMS, e-mail, teitler, toll free number, and through Catering Monitoring Cell.

Feb – 20								
Sl. No.	Name of the unit	Divisions						Total
		MAS	TPJ	MDU	PGT	TVC	SA	–
1	A/M	14	..	..	..	..	12	28
2	Small Catering units at A, B, C Category stations.							
2(a)	Refreshment Rooms (at B & C Category stations.	..	2	..	..	4	..	6
2(b)	Milk Stalls	19	4	6	18	7	9	63
2(c)	Small catering units A 1, A, B, C (Category)	58	43	47	69	72	28	317
2 (d)	Any other stall ***	..	..	..	..	..	..	..
3	Small Catering units at D, E, F Category stations.							
3(a)	Refreshment Rooms (at D, E, F Category stations.	..	2	..	..	6	1	9
3(b)	Milk Stalls	..	..	3	7	..	..	10
3(c)	Small catering units D, E, F (Category)	..	12	23	23	17	10	85
3 (d)	Any other stall							
4	HPMC	11	..	..	..	..	..	11
5	Misc./Curio stalls/Trolleys/table	..	2	..	..	..	..	2
6	Book stall/Trolleys/Table etc.	2	..	..	1	..	..	3
6a	Book stall/Trolleys/Table etc. (Philanthropic)	2	..	..	..	..	2	4
6b	Higginbothoms	5	3	1	2	4	3	18
7	Book stall cum Chemist corners	..	..	..	..	..	..	..
8	Exclusive Chemist stall/Corners	..	..	..	..	..	..	..
9	Multi Purpose stall (MPS)	6	1	8	17	13	3	48
10	Any other stall	1	..	..	..	..	..	1
11	Total	118	69	88	137	123	68	603

2 (b). Details of Amenities provided during the Year 2019-20

Sl. No.	Description of Amenity	Unit	Amenities MAS Divn.		Amenities PGT Divn.		Amenities TVC Divn.		Amenities TPJ Divn.		Amenities MDU Divn.		Amenities CECNERS		Amenities CE/CN/MS		Amenities MTP		Total
			81 91	02 7e	81 91	02 7e	81 91	02 7e	81 91	02 7e	81 91	02 7e	81 91	02 7e	81 91	02 7e	81 91	02 7e	
1	Waiting hall	Sq. m.	25	25.00	1542	637.11	60	153.00	77	506.00	3040	22000.00	118	1388.11	40	574.00	20	200.00	76244.29
2	Seating arrangements	Nos.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Covering platforms	Sq. m.	-	-	3854.4	5332.21	1932	12400.00	-	-	-	-	-	-	-	-	10400	36462.00	76244.29
4	Drinking water arrangements																		200.00
1.	Hand pumps	Nos.	-	-	-	-	-	-	-	-	1	200.00	-	-	-	-	-	-	-
2.	Taps	Nos.	-	-	64.00	-	40	240.00	5	1.25	50	5.00	-	-	-	-	4.00	300.00	556.32
5	Foot over bridge	Sq. m.	-	-	2	7672.69	-	-	-	-	2	20000.00	-	-	-	-	-	-	27672.69
6	Waiting rooms	Sq. m.	-	-	-	-	30.36	750.00	-	-	-	-	-	-	-	-	-	-	750.00
7	Suitable platform including raising	Nos.	-	-	-	-	11038	42400.00	-	-	-	-	-	-	-	-	6050.00	-	225029.39
8	Booking windows-cum-reservation counter.	Nos.	-	-	525	222.86	-	-	-	-	-	-	-	-	-	-	4.00	75561.00	-
9	Sanitised latrines	Nos.	-	-	-	-	8	91.00	44	Dnor NLC	-	-	-	-	-	-	14.00	-	6140.00
10	Waiting-cum-booking office	Nos.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6140.00	-
11	Retiring rooms	Nos.	-	-	-	-	7	821.00	1	Included in SINO.1	-	-	-	-	-	-	-	0.00	821.00
12	Enquiry counter arrangements	Nos.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total		2835.07	-	16764.87	57674.00	-	5001.25	42205.00	-	-	-	-	-	-	-	2883700	3598330	-

12. Expenditure incurred on Passenger and Other Railway Users' amenities 2019-2020

(Figures in lakhs of Rs.)

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.. ..	318	0	0	318
2. Waiting Hall	211	0	0	211
3. Benches	213	0	0	213
4. Suitable arrangements for Electric Lighting	15	0	0	15
5. Drinking water supply arrangements at stations	438	0	0	438
5(a) Drinking water supply arrangements in the trains	9	0	0	9
6. Platform with well maintained surface (Rail level platforms at flag stations)	559	0	0	559
7. Latrines	339	0	0	339
8. Shady trees	0	0	0	0
B. Additional facilities—				
1. Urinals	263	0	0	263
2. Platform Covers	683	0	0	683
3. Bath facilities	5	0	0	5
4. Water Coolers	18	0	0	18
5. Foot Over Bridges or Subways	1551	0	0	1551
6. Washable Aprons	22	0	0	22
7. Retiring Rooms & Rail Yatri Niwas	28	0	0	28
8. Refreshment Rooms, Base kitchens and Trolleys/Stalls for Catering & Vending.	2	0	0	2
9. Improved lighting and fans on platforms	96	0	0	96
10. Enquiry Offices, Train indicator Boards	58	0	0	58
13. Expenditure incurred on Passenger and Other Railway Users' amenities 2019-2020				
B. Additional facilities—(Concl'd).				
11. Reservation Offices—Computerised Reservation.	278	62	0	278
12. Improvements to circulating area	764	0	0	764
13. Car, Tonga, Cycle stands	425	0	0	425
14. C. C., TV	51	0	0	51
15. Cushioning of Second Class Berths	0	0	0	0
16. Renovation/Remodelling of station buildings	2328	0	0	2328
17. Carriage Watering	1	0	0	1
18. Book Stalls	0	0	0	0
19. Raising, lengthening, widening and resurfacing of platforms	1161	0	0	1161
20. Public address system	54	0	0	54
21. Exhibition of Time-Table sheets on Glass Fronted Frames.. ..	0	0	0	0
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.	639	0	0	639
23. Improved latrines	50	0	0	50
24. Miscellaneous improvements to existing amenities, viz., provision of seats, hedges, etc., ...	841	0	0	841
C. Other Railway Users' amenities (for Goods Sheds and Parcel Offices)—				
1. Arrangements for drinking water including water coolers, water trollies, etc., ...	0	0	0	0
2. Waiting accommodation	7	0	0	7
3. Refreshment Rooms & Vendors Stalls	0	0	0	0
4. Latrines	7	0	0	7
5. Miscellaneous arrangements like provision of seats, hedges & shady trees	0	0	0	0
6. Lighting arrangements and provision of fans	0	0	0	0
7. Rest shelters for licensed porters	0	0	0	0
Grand Total	11,434	62	0	11,496

13. Statement of Actual Expenditure under for Staff Welfare for the year 2019-2020

Sl. No.	Description	(Figures in Thousands of Rs.)		
		Gross	Credit	Net
1	New Hospitals, Dispensaries, additions and improvements to existing ones.	1,74,275	0	1,74,275
2	New Schools, additions, alterations, improvements & additions to Existing ones.	0	0	0
3	New Institutions, rest houses, sports grounds, reading rooms, Improvements & additions to existing ones.	13,994	0	13,994
4	Provision and improvement of health and welfare works & maternity centres.	4,756	0	4,756
5	Cooking arrangements for workshops canteens & rest houses for workmen.	1,648	0	1,648
6	Provision and improvements of sanitation, water supply, road lighting and marketing facilities in Railway colonies.	16,938	0	16,938
7	Improvements Alterations to Existing quarters whatever type ..	56,760	1,513	55,247
8	Others Works	2,864	0	2,864
9	Total Col. 1 to 8 (Staff Amenities)	2,71,235	1,513	2,69,722
10	Provision for Officers' Quarters	10,590	0	10,590
11	Quarters for Class III Staff	94,746	10	94,736
12	Quarters for Class IV Staff	5,334	0	5,334
13	Total Col. 10 to 12 (Staff Quarters)	1,10,670	10	1,10,660
14	Total Col. 9 +13 **PHS (51+52) ** From 19-20 Includes S. Qrs.+S. Amenities	3,81,905	1,523	3,80,382
15	Medical Expenses — J 200	32,50,290	0	32,50,290
16	Health and welfare services — J 300	4,19,949	0	4,19,949
17	Education — J 100.. ..	13,15,397	0	13,15,397
18	Canteen and other staff amenities — J 400	86,190	0	86,190
19	Staff Training — K 500	6,69,039	0	6,69,039
20	Total Col. 15 to 19	57,40,865	0	57,40,865
21	Grand Total Col. 14 + 20	61,22,770	1,523	61,21,247

8. No. of stations functioning for issue of Passenger Traffic during 2019-20

- (i) No. and Name of City/Town Booking Offices. .. 2
- (ii) No. and Name of City/Town Booking Agencies. .. Nil
- (iii) No. of Name of Out Agencies .. Nil
- (iv) No. of Street Collection and Delivery service (pertains to Dy. CCM/FM) .. Nil

9. No. of Stations Opened/Closed during 2019-20 for issue of passenger Traffic.

- (i) No. and Name of City/Town Booking Offices opened/closed **Nil**
- (ii) No. of Name of City/Town Booking Agencies opened/closed **Nil**
- (iii) No. of Name of Out Agencies closed **Nil**
- (iv) No. of Street Collection and Delivery service (pertains to Dy. CCM/FM) **Nil**

10. No. of Halts functioning during 2019-20 172

(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 train halts Nil
- (iv) Train halts opened for passenger traffic 1
- (v) Train halts closed for passenger traffic Nil
- (vi) Train halts re-opened for passenger traffic Nil

Kavalkinaru (KVLK) Train halt between Aralvaymozhi and North Panagudi on Nagercoil – Tirunelveli section over Thiruvananthapuram Division has been reopened for passenger traffic with effect from 01st November 2019.

Halt stations under Gauge conversion – Madurai Division

1. Nagamalai west
2. Vadapaianj

STATION OPENED/REOPENED FOR PASSENGER TRAFFIC DURING 2019 –20

Name of Station	Division	Date of Opening
Kavalkinaru	TVC	01–11–2019

STATION CLOSED FOR PASSENGER TRAFFIC DURING 2019 –20

Nil

STATION CLOSED FOR GOODS TRAFFIC DURING 2019 – 20

Nil

15. STATION OPENED/RE-OPENED FOR GOODS TRAFFIC DURING 2019-2020.

Name of Station	Division	Date of opening	Opened for
Villivakkam (VLK)	MAS	04–07–2019	Opened for Inward/Outward to handle water.
Vanjipalaiyam (VNJ)	SA	25–10–2019	Opened for Inward/Outward with half rake handled facilities for local and through booking.
Akkaraipatti (API)	MDU	16–12–2019	Opened for Inward/Outward & local/through booking with half/full rake facility.

STATION CLOSED FOR GOODS TRAFFIC DURING 2019 – 20

Nil

16. Siding opened for receipt and dispatch of goods traffic in Train / Rake loads.

Sl. No.	Name of the Siding	Serving station	Division	Date of opening	Remarks
1.	M/s. Chetnad Mangalore Coal Terminal Private Ltd.	Panamburu	Palakkad	04–10–2019	Independent Booking Point

23. During the year 2019–20 onwards the lower class coaches are provided with the following improvements :-

- ✘ LHB General coaches are provided with Vestibules to facilitate movement of passenger inside the coaches.
- ✘ Stainless steel panels are provided in the door way.
- ✘ Lavatory flooring provided with polymerized floor lopping for anti-slip and water stagnation free floor.
- ✘ Anti skid air brake system with axle mounted brakes.
- ✘ High speed bolster less FIAT bogie provided with air spring in secondary suspension and FIBA (failure indication and Brake Application) system.
- ✘ Fire extinguishers with anti-theft lock arrangement-02 Nos. per coach.
- ✘ Mobile phone charging point.
- ✘ CCTV camera fitted in ladies compartment to enhance security.
- ✘ LED lights for improved lighting compartment and lavatory.

In addition, the following additional features are provided from the year 2022–23.

- ✘ Pressurized flushing system in toilets
- ✘ Braille signages provided for visually impaired

XIV. संरक्षा/SAFETY

The Safety Department 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 Department is essentially a department monitoring the safety performance of various departments and helping them to discharge their safety related functions effectively. The scope and functions of the Safety Department have been defined over the years and basically include the following:

- (1) To sensitize all the concerned departments about the safety related issues.
- (2) To oversee all safety matters concerning train operations.
- (3) Identify safety susceptibilities and vulnerabilities based on various accidents and incidents occurring in the system.
- (4) To establish an effective response mechanism to handle situations arising out of the accidents.
- (5) To enable the departments to deliver the functions which make the above possible.

ACCIDENT STATISTICS

Trend of Train Accidents

There was one consequential accident during the year 2019-20 of which was derailment at station, The details are as under.

1.1 On 0707.2019 at 14.08 hrs. while TNo.12084 CBU-MV Express receiving on Road No.5 of MV station by taking 'OFF' Reception Signal, all the Six wheels of leading truck and one wheel of rear truck of Loco WDP4D 40405/GOC derailed at Point 130B/MV.

The Trend of consequential accident during the 5 years is given below :—

2015-16	2016-17	2017-18	2018-19	2019-20
6	8	3	5	1

Cause wise of break- up of Consequential Accidents is as under :

Sl.No.	Type	2017-18	2018-19	2019-20
1.	Collision	0	0	0
2.	Derailments	3	4	1
3.	LC Accidents	0	0	0
	Manned			
	UMLC	0	1	0
4	Fire in Trains	0	0	0
5	Miscellaneous	0	0	0
Total		3	5	1

Division-wise comparative break-up of Consequential Accidents is as under:

Division	2017-18	2018-19	2019-20
MAS	1	1	0
SA	0	1	0
PGT	1	1	0
TVC	1	1	0
MDU	0	0	0
TPJ	0	1	1
Total	3	5	1

Division-wise comparative break-up of Indicative Accidents (SPAD) is as under :—

Division	2017-18	2018-19	2019-20
MAS	0	1	2
SA	0	0	1
PGT	1	1	1
TVC	2	0	1
MDU	0	1	0
TPJ	0	1	0
Total	3	4	5

Division-wise comparative break-up of Yard Accidents is as under :—

Division	2017-18	2018-19	2019-20
MAS	5	19	14
SA	0	2	0
PGT	0	1	3
TVC	2	6	2
MDU	0	2	2
TPJ	1	0	0
Total	8	30	21

2. Equipivient Failures :—

Details of equipment failures during last 2 years are :

S. No.	Equipment failure	2018-19	2019-20
1.	Rail/Weld failures	259	169
2.	Diese loco failures	96	85
3.	AC loco failures	98	123
4.	Hot axle	9	9
5.	Train parting	2	6
6.	Wagon detachments	10	12
7.	Coach detachments	8	8
8.	OHEfailures	28	18
9.	Signal failures	5214	4741

3. 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 summary of safety activities carried out during the year and comparison with the previous year is as follows :—

Year	Safety Publicity	Safety Seminars	Safety Drives
2015-16	971	345	34
2016-17	856	411	28
2017-18	932	423	32
2018-19	896	369	30
2019-20	961	535	43

4. Preparedness :

4.1 Mock Exercises : Regular mock exercises were conducted on every second Wednesday/Thursday in the division which was telecasted through V-sat.

4.2 Mock Drill with NDRF:

4.2.1 NDRF is a specially trained Force on Disaster Management headed by a Director General Structured like Para Military Forces for rapid deployment to provide assistance to Railway in accident Full scale Mock exercise with NDRF was conducted on 08.05.2019 in PGT Division at SRR and on 29.05.2018 in MDU Division at TAY.

4.3 Surprise Mock Drill :

4.3.1 Mock Drill by Divisions ; To check alertness of officers and staff mock drill were conducted by division once in 3 months.

5. ISO 9001 : 2015 :

5.1 ISO certificate is obtained for safety Department. Scope for planning and monitoring of Disaster Management.

5.2 ISO certificate is obtained by Tiruchchirappalli Division. Scope for providing rescue and relief to the victim of train accident and restore the normal working through SPART, ARME, ART at TPJ , VM valid up to 26.01.2023.

5.3 ISO certificate is obtained by PGT division. Scope for providing rescue and relief to the victim of train accident and restore the normal working through SPART, ARME, ART at SRR, MAQ valid up to 14.08.2021.

6. Special safety Drives were also launched on various aspects of trains operations during the year 2019-20. The total of 8 Railway Board and 9 Headquarters Safety Drives on the themes such as prevention of Fire in Trains, Maintenance of track and Points and Crossings in yards, failure of control arm in LHB coaches, door closings etc.,

7. Six Safety Audits were conducted in divisions for the calendar year 2019 and 2 inter Railway Safety audit were conducted in SWR.

8. Safety Publicity :

8.1 Safety Publicity was done through media such as TV, Radio and Newspaper, appealing to public for proper caution at level crossings, not to carry inflammable articles, not to travel at foot board/roof top etc.

8.2 Road users were educated through interaction and display of safety posters at Village Panchayat Offices etc, by distributing handouts at retail outlets of Hindustan Petroleum Corporation, Indian Oil Corporation and Bharat Petroleum Corporation and through display of cinema slides.

8.3 Action is being taken to educate the road users on the importance of strictly following Motor Vehicle Act provisions at manned 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.

9. Other Safety Activities :

9.1 Fire audit of all AC and Non-AC coaches were conducted and deficiencies noted was corrected at the field level

9.2 A safety calendar for 2020 was printed and distributed.

9.3 Four issues of Quarterly safety Bulletin "SUJOG" were printed and distributed to all concerned during the year.

10. Status of interlocking of LCs during 2019-20.

Year	Total Nos. Targeted	Total Nos. Achieved
2019-20	40	75

XV. सुरक्षा व्यवस्था/SECURITY ARRANGEMENTS

I. General

Effective preventive measures are being taken by RPF/ Southern Railway to contain crime against Railway Property and to bring down the incidents of theft/pilferage. Theft of Railway Property is well under control. Figures of incidents of theft of Railway Property, both Booked Consignments and Railway Materials are given below :

II. Crime on Southern Railway :

a. Theft of Railway Property :

(i) Theft of Booked Consignment - Localized Cases :

i Theft of Booked Consignment – Localised cases :

Year	No. of cases registered	No. of cases detected	Property stolen	Property recovered	Total arrest made	
					OS	RE
2018-19	10	5	3,47,041	84,103	9	0
2019-20	16	6	19,39,764	13,550	10	0

ii Theft of Railway Material - Localised cases :

Year	No. of cases registered	No. of cases detected	Property stolen	Property recovered	Total arrest made	
					OS	RE
2018-19	289	285	17,17,965	14,62,037	362	3
2019-20	222	212	17,44,782	18,35,861	292	1

OS- Outsider & RE Railway Employee

b. Performance under Railway Property (Unlawful Possession) Act, 1966 :

(i) 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 being booked under the provision of this act with seizure of stolen Railway Property. The performance under this act is as follows :

Year	No. of cases registered	No. of cases detected	Value of Property stolen	Value of Property recovered	Arrest made	
					OS	RE
2018-19	457	285	17,17,965	18,27,087	551	3
2019-20	371	363	33,29,844	19,93,666.4	479	1

c. Performance under Railway Act, 1989 :

Relentless drives were conducted against anti-social elements indulging in illegal sale of reserved rail tickets, cornering of berths/seats, gents travelling in ladies coach, travelling on footboard, hawking, begging etc. in stations and trains. Defaulters are being prosecuted under various provisions of this act. The results achieved under Railway Act are furnished as under :

Year	No. of cases booked	Fine amount realized
2018-19	1,10,693	4,43,62,972
2019-20	82,454	2,76,58,635

d. Summary of achievements under important Railway Act sections during the FY 2019-20 :

Sl. No.	Offence u/s	No. of cases booked	Fine realized Rs.
1.	Alarm Chain Pulling (141)	1,792	8,78,800/-
2.	Transfer of reserved rail tickets(142)	31	12,400/-
3.	Unauthorised procuring and selling of rail tickets (143)	463	5,36,000/-
4.	Unauthorized Hawking/ Vending (144)	18,630	1,01,97,950/-
5.	Footboard travelling (156)	8,226	28,08,450/-
6.	Gents travelling in ladies coaches (162)	1,454	3,78,250/-
7.	Smoking (167)	1,324	1,41,550/-

e. RPF assistance to ticket checking staff :

RPF is providing necessary assistance to commercial branch in ticket checking. The following are the details of ticketless travelers apprehended and fine amount realized for the year 2019-20.

Year	RPF staff deployed	No. of ticketless travelers fined	Amount of fine realized (in crores)
2018-19	8,104	2,91,540	12.82
2019-20	5,733	4,22,317	16.90

f. Crime against passengers – Comparison of Crime :

Category	2018-19		2019-20	
	Registered	Detected	Registered	Detected
Murder	5	4	3	2
Dacoity	3	2	2	2
Robbery	193	57	177	79
Theft	4,256	312	4,102	321
Chain Snatching	0	0	0	0
Drugging	5	2	5	2
Total	4,462	377	4,289	406

- Crime Rate has decreased by 3.88% during the year 2019–20 as compared to 2018–19.
- Detection % has increased by 1.02% during the year 2019–20 as compared to 2018–19.

(III) Achievements made by RPF during the year 2019-20 :

(a) PROACTIVE MEASURES TAKEN BY RPF TO CONTAIN

THE PASSENGER RELATED OFFENCE :

- During the year 2019-20, towards relentless efforts to curb passenger offences, RPF has apprehended 349 criminals involved in theft of passengers' belongings and other passenger related crime and handed over to the concerned GRP for registration of cases and also escorted 225 Mail/Express, Passenger and EMU trains by 522 RPF staff on daily basis.
- 774 CCTVs are provided at 14 important stations under ISS. 159 CCTVs are provided at 07 stations under other than ISS scheme and 75 CCTVs are installed at 06 stations under 'Nirbhaya Fund' to keep watch over the movements of anti-social elements and suspect persons in station premises.
- All India Security Helpline Number '182' is activated for help of passengers in distress. Wide publicity is given through print & visual media, social networking like "YouTube" and through awareness campaigns.
- Frequent announcements cautioning the passengers especially lady passengers not to expose their gold ornaments/valuables, close window shutter during night, not to accept eatables from strangers while travelling in train, not to touch any suspected/unattended objects/luggages found in trains & Railway premises, etc are made through PA system.

(b) Seizure of Unaccounted Cash:

- During the year 2019-20, in 11 instances unaccounted cash of Rs. **2,79,96,750/-** were seized by RPF/SR with the arrest of 11 defaulters.

(c) Seizure of Gold/Diamond /Silver etc.

- During the year 2019-20, in 17 instances Gold, diamonds & Silver worth **Rs. 3,92,06,796/-** were seized by RPF/SR with the arrest of 18 defaulters.

(d) Details of notable seizures of contraband goods by RPF/Southern Railway :

Details of all seizures of contraband by RPF-during the financial year of 2019-20	No.of Instances	Value
Seizure of contraband goods including narcotic items such as Heroin, Cocaine, Ganja, Cannabis and Ephedrine. Nytrosun, Netravet tables, banned Tobacco products, illicit liquor, wild life, etc.,	252 Instances	Rs.6.48 Crores

(e) Measures taken for the safety and security of women passengers :

- Regular drives are conducted against men travelling in lady's compartments and the defaulters are prosecuted under section 162 of Railways Act. During the financial year 2019-20, 1489 male persons were prosecuted and an amount of Rs.3,78,250/- was realized towards fine.
- Mail/Express, passenger trains are escorted by RPF staff on daily basis. In Chennai division, 06 Lady Special trains are escorted by lady staff (SakthiPadai). Ladies coaches of 04 passenger trains are escorted by lady staff in Trichy division. Similarly, in Thiruvananthapuram division, ladies coaches of selected passenger trains running between 06.00 PM and 06.00 AM are provided with RPF escort.
- RPF/Thiruvananthapuram Division created WhatsApp groups named "Security on wheels" involving women commuters with a view to prevent crime against passengers especially women and children.
- In order to enhance the sense of security to female passengers, 128 Ladies Coaches have been fixed with surveillance cameras in Southern Railway.
- Complaints received from lady passengers through Social media; Twitter, Face book, etc., are given top priority and instant remedial action is taken.
- Awareness campaigns are conducted at educational institutions particularly for girls to make them aware of the nature of crimes and the preventive measures to be taken in case of any exigency.
- Women Facilitation Centre: All Women Facilitation Centre was inaugurated by GM/Southern Railway on 02.10.2016 at Chennai Central with separate room for feeding mothers and help desk for women passengers which was manned jointly by Women Commercial and RPF personnel round-the-clock. Such centre are now also established at Chennai Egmore, Tiruchchirappalli, Coimbatore, Madurai, Thiruvananthapuram & Calicut Railway stations over Southern Railway.

(f) SPECIAL BANDOUST/OBSERVANCE OF IMPORTANT DAYS:

- Special bundo-bust arrangements are being organized normally during the occasions of General Election-2019(10.03.2019), Velankanni Festival (28.08.2019 to 09.09.2019), Observance of Gandhi Jayanthi 'Swachhta Pakhwara' (02.10.19), Rashtriya Ekta Divas (31.10.2019), Observance of Police Commemoration Day (21.10.2019) & Tiruvannamalai Karthigai Deepam Festival(09.12.2019-11.12.2019) in co-ordination with GRP/Local Police.

(g) Awareness programs conducted

Sl. No.	Description/Awareness Programme	Date
1	Observance of international Missing children's Day	25.05.2019
2	Observance of World Environmental day	05.06.2019
3	World Day against Child Labour	12.06.2019
4	Celebration of International Day of Yoga	21.06.2019
5	International Drugs Day	26.06.2019
6	Awareness programme on security of women and children	June 2019
7	Observance of International Human Trafficking Day	30.07.2019
8	Awareness meeting for Women and children	26.09.2019

(h) Passenger awareness programmes conducted :

The following awareness programmes were carried out by RPF Southern Railway.

S.No.	Programme	2018-19	2019-20
1	Skit/Fourm Drama conducted		72
2	Interaction with Coolie porters		359
3	Feedback Forms obtained		3253
4	Pamphlets issued		1,68,181
5	Awareness programme outside the Railway premises		940
6	Stickers pasted		25732
7	FM Channel		147
8	Slides projected in cinema hall		187
9	Video coverage of GS coaches		137
10	Assistance from NGOs/Scouts etc., utilized		91
11	Decoy checks conducted		206

(IV) Facilitation for passengers :**(a) Passenger facilitation by RPF**

Sl.No.	Details	2018-19	2019-20
1	Assistance given to injured passengers on train journey	1159	1117
2	Handing over of Runaway children	1921	2116
3	Securing of abandoned baggage's	2557	2332
4	Facilitation for disabled passengers	The complaints of unreserved passengers occupying sleeper class and coaches meant for disabled persons, a special squad called "SUVIDHA" has been formed.	

(b) RPF role in saving lives of suicidal persons and tracing out of missing persons:

- During the year 2019-20, lives of 14 persons who attempted to commit suicide on railway areas was saved by RPF personnel by securing them and were handed over to their family besides providing life saving medical assistance.

- 371 missing persons were traced out by reviewing the CCTV footages and on information by identifying the missing persons and reunited with their families handed over to NGOs for their care and protection.

(c) Operation Dignity :

- With the principle that 'Service to the sufferings is service to the God', Railway Protection Force has taken up an ambitious project of rescuing old aged, disabled and hapless persons who are found taking shelter in the Railway stations and trains, under the banner of 'Operation Dignity'. Such action on the part of RPF yielded very good result in rescuing and handing over 361 persons to the old aged homes during the year 2019-20.

(d) REDRESSAL MECHANISM OF PUBLIC GRIEVANCES:

- Public Grievances pertaining to security are being received through Twitter, All India Security Helpline No.182, CPGRAMS, COMS and E-mail and redressed in time on merits.
- **Twitter Complaints:** Passenger complaints received through twitter are being redressed by RPF/Southern Railway. During the financial year 2019-20, 869 complaints received and redressed.
- **All India Security Helpline No.182:** Security Helpline No.182 was established over Southern Railway during December-2014 onwards. During the year 2019-20, 968 calls were received at Helpline No.182 over various divisions, which were promptly attended and redressed the grievances of the passengers in distress on real time basis.

(e) Implementation of protection of child rights in Railways

- RPF Southern Railway has been the forerunner in rescuing runaway/destitute children and rehabilitating them. A total of 2216 children were rescued during the year 2019-20. This has been widely appreciated and the concerned staff have also been felicitated by various NGOs.
- Child Help Desk is functional at 08 Stations (Chennai Egmore, Chennai Central, Madurai, Coimbatore Junction, Ernakulam Junction, Thiruvananthapuram, Trissur & Kozhikode) in tie up with NGO as per SOP (Standard Operating Procedure). This apart, the setting up of Child Help Desks (CHD) under SOP has been further extended to 174 more Railway stations over Indian Railway vide RB's Lr.No.2017/Sec0020(Spl)/SOP/CHD dt.21.06.2018 including 30 Railway stations in Southern Railway.

(f) Tourist Help Desk:

- RPF Tourist Help Desk is functioning at Thiruvananthapuram, Rameswaram and Madurai Railway Station.

(V) SYSTEM IMPROVEMENT:

Training to Enquiry Officers and staff RPF on the following topics :

1. Awareness Programme on HIV/AIDS and Cardiac Deceases.
2. Saksham Classes on legal procedures on NDPS Act cases.
3. Trainee Judicial Officers meeting and visit at MAS & BDS.
4. Training programme on child protection.
5. Stress Management Programme For RPF Staff

VI. SAFETY DRIVES:

The following safety drives were organized as per the instructions of Railway Board in the mention period :

1. Operation hunt-04.04.2019,
2. Operation Box- 05.04.2019 to 08.04.2019
3. Fire safety drive - 14.04.2019-28.04.2019
4. Operation Thirst - 08.07.2019-09.07.2019
5. Operation Number Plate - 09.08.2019-11.08.2019

(a) Ambush Checks at Unmanned Level Crossings:

Ambush checks are conducted by RPF at unmanned LCs and the defaulters are prosecuted u/s 161 Railways Act for violating safety Rules and negligently crossing unmanned LCs. During the year 2019-20, 01 defaulter was apprehended and prosecuted.

(b) Action against smoking in trains/ premises:

Regular drives are being organized by RPF/S.Rly against smoking in trains / premises and the defaulters are prosecuted u/s 167 RA. During the year 2019-20, 1324 cases were booked and realization of fine amount to the tune of Rs.1,41,550/

VII) Bomb threat :

Divisions	No.of incidents reported	No. of cases registered
MAS	4	3
TPJ	4	4
MDU	0	0
PGT	2	0
TVC	2	2
SA	4	2
Total	16	11

(VIII) Sports activities:

Southern Railway RPF Sports team has won many distinctions and laurels in Inter Railway Games/Athletic meets during the year 2019-20.

Athletics	: Overall Championship (22 Gold,14 Silver & 12)
Boxing & Weight lifting	: Overall Championship (03 Gold, 08 Silver & 01 Bronze medal)
Kabaddi	: Winner (1st Place)
Videography and Photography	: 1 st Place
Shooting Competition	: Winner (1 st Place)
Dog Competition	: Over all winner
1st All India RPF Cricket	: Winner (1st Place)
All India Body Building	: Winner (1st Place)
Volley ball	: Runner (2nd Place)
Basket ball	: Runner (2nd Place)
Handball	: Runner (2nd Place)
Computer Awareness	: Runner (2nd Place)
Hockey	: 3rd Place
Football	: 3rd Place

(IX) Welfare :

Handicraft centre with sufficient number of sewing machines and membership strength of 20 RPF Spouse/wards is functioning at perambur were performed tremendous job in making of thousands of face mask, hand gloves, more than 50 Nos of Automatic hand wash machines, moveable toilets and supplied to Divisions for distributing not only to the RPF Personnel and also to essential Railway Staff of other departments on precautionary measures to fight against the spread of COVID-19, 36 RPF Personnel who affected and recovered from COVID-19 were donated their blood for plasma therapy treatment to save the precious life of the COVID-19 patients.

RAIL SURAKSHA KALYAN NIDHI :

Sl. No.	Type of payment	No. of Cases	Amount in Rs.
1	Ex-gratia Lumpsum grant	8	11,50,000
2	VSK (Medical assistance under RSKN)	11	8,50,000
3	Funeral expenses	11	2,20,000
4	Recoupment made to divisions towards payment of settlement on retirement	151	30,20,000
5	Merit scholar ship	84	4,85,000

(X) MERITORIOUS AWARD TO RPF STAFF DURING REPUBLIC DAY CELEBRATION :

(i) PPM/PM

SL.No.	Name of the officer/S/Sri	Title of award
1	P.Ponraj SC/HQrs	PPM
2.	T.S.Gopakumar,ASC/ERS	PPM

(ii) DG Insignia and commendation for the year 2019-20 :

SL.No.	Name of the officer/S/Sri	Title of award
1	Anil.J ASC/TNPM	DG's Insignia
2	L.S.Sivanesan, IPF/1/MAS	DG's Insignia
3	R.Balakumar, SIPF/SIB/HQrs	DG's Insignia
4	R.V.Manoj Kumar, SIPF/SCT/MDU	DG's Insignia
5	S.Ramanathan, HC/TPJ	DG's Insignia
6	M.Praveen, CON/PGT	DG's Insignia
7	V.Savin, CON/PGT	DG's Insignia

(XI) Eviction:

During the year 2019-20, on 28 occasions RPF/S.Rly. rendered assistance to the Engineering branch in evicting of unauthorized shops erected at station premises, unauthorized occupation of railway land, unauthorized structures and encroachments etc., from the Railway land in co-ordination with Local Police/GRP.

In Conclusion:

RPF/SR is relentlessly pursuing multi pronged efforts to combat crime on Railways and ensure passenger safety. Thus, RPF/SR is marching forward to fulfill its mandated duties with acclaim from every quarter.

सत्तर वर्ष का सार

70th YEAR

OF

SUMMARY

SOUTHERN RAILWAY

70th वर्ष का सार

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	..	..	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19
36.08												
Total	9,656.02	9,681.41	9,695.32	9,750.40	9,841.97	9,757.15	9,817.05	9,912.53	9,914.89	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	1,410	1,412	1,430	1,395	1,420	1,419	1,501	1,580	1,614	1,662	1,644	1,714
Steam	..	..	..	..	..	..	..	..	..	..	..	..
Diesel	..	..	..	..	..	..	..	..	..	..	..	..
Electric	4	4	4	4	4	4	4	4	4	4	4	4
Coaching stock	3,020	3,041	3,066	3,219	3,260	3,227	3,403	3,425	3,457	3,657	3,724	3,840
Passenger carriages	72	72	72	96	96	96	96	96	96	96	96	96
Electric Multiple Unit 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

70th YEAR 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 Coaches.
30	30	30	27	27	15	15	15	18	18	18	Rail cars
1,424	1,398	1,391	1,442	1,492	1,282	1,249	1,213	1,123	1,075	1,065	Other coaching vehicles
38,331	40,750	41,987	44,795	47,083	47,489	35,141	34,591	34,197	33,916	34,120	Wagons
168.6	173.6	176.7	177.8	135.2	134.5	133.5	132.0	133.0	132.0	134.0	Staff—
32.92	34.99	39.50	43.70	41.60	39.60	42.80	45.40	49.36	51.36	52.58	No. of employees (in 1000s)
1,959	2,020	2,243	2,468	2,715	2,958	3,214	3,440	3,719	3,898	3,951	Cost of staff (in crores of Rs.)
..	..	..	..	..	..	..	..	..	..	..	Average cost per employee (in Rs.)
..	..	..	..	..	..	..	..	..	..	..	For the year—
39.95	40.45	41.63	44.24	40.64	35.03	35.04	35.57	36.24	36.80	34.38	Transportation Out-put—Train-kilometres excluding Departmental (in millions)—
..	..	..	..	..	..	..	..	..	..	..	Passenger and proportion of mixed
..	..	..	..	..	..	..	..	..	..	..	EMU
..	..	..	..	..	..	..	..	..	..	..	MEMU
23.82	25.78	24.38	25.52	20.66	16.35	17.51	18.02	17.81	18.80	16.89	DEMU
654	663	679	743	673	574	563	605	635	647	627	Goods and proportion of mixed
..	..	..	..	..	..	..	..	..	..	..	Vehicle and wagon kilometres (excluding departmental and brake-vans) (in millions)—
..	..	..	..	..	..	..	..	..	..	..	Vehicle kilometres
..	..	..	..	..	..	..	..	..	..	..	EMU
..	..	..	..	..	..	..	..	..	..	..	MEMU
934	1,006	948	1,053	870	692	774	816	828	865	804	DEMU
251	260	269	283	276	237	207	222	237	257	258	Wagon kilometres
11,848	12,239	12,578	13,461	13,158	11,185	9,476	9,701	10,417	10,980	11,259	Volume of Traffic—
26.87	28.93	30.27	34.04	31.5	29.1	27.2	28.2	30.6	33.1	34.8	Passenger Traffic—
46.9	46.8	46.3	47.2	47.4	46.8	45.5	43.5	43.6	42.1	43.3	No. of passengers originating

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	286	308	316	317	325
Electric ..	20	20	20	20	20	20	20	20	20	20	20	20	27	41	51
Coaching stock															
Passenger carriages	3,777	3,856	3,820	3,727	3,899	3,880	3,879	3,834	3,727	3,669	3,756	3,766	3,811	3,812	3,793
Electric Multiple Unit	171	171	171	171	171	192	272	348	358	354	353	353	371	371	371
Coaches.															
Rail cars ..	18	18	18	13	11	11	14	11	7	7	7	7	10	10	10
Other coaching vehicles	1,066	1,049	1,029	988	943	928	902	893	845	824	817	809	793	768	746
Wagons	34,173	33,863	35,104	30,029	31,723	31,062	31,005	30,032	29,588	28,582	27,547	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	144.99	15.65	15.58
Vehicle and wagon kilometres (excluding departmental and brake-vans) (in millions)—															
Vehicle kilometres	579	529	642	697	679	631	642	661	689	715	743	763	769	800	856
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 kilometre (in paise).	3.36	3.88	3.58	3.82	3.88	3.82	4.16	4.31	5.00	6.00	6.76	7.09	7.76	8.63	8.90
Goods Traffic—															
Tonnes originating (in millions)—															
Revenue earning Traffic	12.9	13.0	13.4	14.2	13.0	11.0	10.9	10.9	12.9	12.2	11.4	13.2	133.9	13.9	14.2
Total Traffic	13.7	13.8	14.6	15.5	14.0	11.9	11.8	11.8	13.9	13.7	12.7	14.4	15.2	15.3	15.9
Net tonne kilometres (in millions)—															
Revenue earning traffic	8,726	9,052	9,643	10,237	9,101	7,996	7,761	7,686	9,575	9,093	10,104	11,041	11,829	11,724	11,638
Total traffic	9,324	9,664	10,323	10,855	9,647	8,386	8,190	8,067	9,846	9,374	10,367	11,327	12,129	11,944	11,932
Earnings from goods carried excluding wharfage and demurrage charges (in crores of Rs.)	55.1	67.7	84.7	90.78	83.94	72.46	79.90	84.92	133.72	155.03	187.89	208.66	240.01	257.36	291.50
Average lead (in kilometres) (Revenue)	433.0	434.0	437.0	428.0	374.0	350.0	342.0	333.0	358.0	376.0	406	390	377	362	341
Average rate per tonne kilometre (in paise)	6.31	7.47	8.52	8.87	8.70	8.64	9.76	10.53	13.58	16.54	18.60	18.90	20.29	21.95	25.05
Quantity of fuel consumed by locomotives—															
Coal (in thousand tonnes)	1,128	1,023	1,214	1,200	1,120	934	892	868	635	474	446	426	390	340	262
Diesel oil (in kilolitres)	131,524	133,660	140,010	148,840	125,039	97,747	102,627	106,091	117,688	127,035	129,864	138,033	144,817	144,996	153,677
Stores purchased (in crores of Rs.)—															
Indigenous	40.0	53.75	70.45	69.15	52.40	49.78	82.14	118.33	136.01	147.51	148.38	162.27	179.97	204.46	230.93
Total	44.9	62.60	76.11	74.63	53.40	51.28	86.51	124.37	145.98	158.88	161.42	173.23	199.17	222.61	*247.77
Operating revenue and expenditure (in crores of Rs.)—															
Revenue—Gross receipts	106.67	122.67	151.34	165.55	149.15	155.44	172.11	192.03	263.34	310.36	354.95	394.14	464.97	506.18	554.09
Working expenses including depreciation etc. and miscellaneous expenses.	109.58	131.39	160.66	180.49	168.26	176.70	207.81	236.57	305.13	368.16	437.13	490.14	556.06	646.84	716.16
Net revenue receipts	(-) 2.91	(-) 8.72	(-) 9.32	(-) 14.94	(-) 19.11	(-) 21.26	(-) 35.70	(-) 44.54	(-) 41.79	(-) 59.22	(-) 83.85	(-)96.00	(-)91.09	(-)123.69	(-)149.22
Percentage of net revenue receipts to the capital-at-charge and investment from capital fund.	(-) 0.56	(-) 2.0	(-) 2.0	(-) 3.2	(-) 3.7	(-) 4.13	(-) 6.53	(-) 7.44	(-) 6.84	(-) 8.70	(-) 11.42	(-)12.40	(-)11.06	(-)13.42	(-) 14.99
Operating ratio (per cent)	102.05	106.04	105.7	109.70	112.8	113.7	120.74	123.19	115.87	118.62	123.15	124.36	119.59	130.08	129.50
Dividend to General Revenues	17.99	20.20	21.26	22.34	22.60	22.91	22.25	33.57	36.16	41.89	42.42	46.35	50.90	55.67	61.42
Payments to States in lieu of tax on Passenger fares.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Surplus (+)/Deficit (—)	(-)20.90	(-)28.92	(-)30.58	(-)37.28	(-)41.71	(-)44.86	(-)58.51	(-)78.11	(-)71.15	(-)90.39	(-)116.17	(-)132.81	(-)135.12	(-)179.06	(-)210.64

70th YEAR 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 1,399.56	1,195.87 1,559.58	1,320.46 1,741.93	1,423.42 1,892.06	1,796.23 2,330.42	1,844.87 2,641.17	*1,869.20 2,912.38	1,831.59 3,309.55	1,780.38 3,819.04	2,177.34 4,630.81	2,555.48 5,331.98	2,965.63 5,927.01	3,375.13 6,534.54	3,773.92 7,187.95	4,142.37 7,900.54	Assets— (As on 31st March) Capital-at-charge (Rs. in crores) Total investment (Rs. in crores)
598.39 6,757.76 1,149.01 7,849.89 845	649.60 6,924.04 1,273.77 8,049.4 845	775.56 6,924.04 1,509.34 8,059.52 832	959.09 6,928.26 1,797.23 8,062.06 831	959.09 7,009.00 1,797.23 8,142.80 821	972.56 7,020.55 1,827.42 8,171.53 813	1,001.7 7,050.97 1,854.62 8,211.20 802	1,115.80 7,049.47 2,049.76 8,212.99 786	1,227.74 7,040.49 2,257.61 8,223.87 774	1,259.29 7,009.51 2,339.12 8,244.86 772	1,316.04 7,145.88 2,468.35 8,427.7 769 *	1,352.05 7,144.03 2,538.23 8,494.40 757	1,352.05 7,164.83 2,538.23 8,593.64 757	1,483.91 7,197.13 2,671.63 8,658.94 754	1,558.56 7,192.88 2,748.92 8,689.71 752	Route Kilometres Electrified Total Running track Kilometres Electrified Total Number of stations.
171 346 73 3,919 *371	168 364 102 3,958 378	138 374 107 4,068 389	117 388 112 4,233 392	75 373 127 4,452 415	41 398 145 4,574 418	10 421 149 4,559 449	10 434 150 4,632 477	10 436 155 4,863 512	10 487 171 5,012 537	10 516 184 4,869 592	10 512 215 *4,962 595	10 527 223 5,152 603	10 559 212 5,264 627	10 538 224 5,495 603	Rolling Stock— Steam .. Diesel .. Electric .. Passenger carriages Electric MultipleUnit 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.)
4 696 24,334	4 641 23,903	4 610 24,693	4 573 24,402	4 535 23,536	4 523 21,016	4 505 17,956	4 519 16,280	2 531 15,311	.. 544 15,629	2 * 517 * 16,475	2 * 281 15,888	2 271 14,732	2 273 13,558	2 270 13,031	Coaching stock
144.2 463.5 32,148	146.6 513.5 35,079	147.0 560.1 38,150	150.0 611.5 40,826	149.4 684.1 45,886	145.8 795.39 550,97	142.937 880.62 616,17	140.366 993.57 ** 70,784 **	139.300 1,114.70 80,075	136.654 1425.99 1,04,435	136.585 1,587.35 1,16,397	136.463 1,653.20 1,21,214	133.587 1,816.72 1,360.72	130.579 1,822.43 1,39,636	**126.992 1,893.43 1,49,003	
40.13 16.25	40.77 16.04	41.09 16.86	41.10 16.61	41.92 17.30	42.00 15.63	45.42 14.35	48.19 14.52	48.64 14.97	50.18 14.90	50.34 14.85	51.60 14.99	52.50 14.31	53.80 13.89	55.41	For the year— Transportation Out-put—Train kilometres excluding deport. mental (in millions)— Passenger and proportion of mixed EMU MEMU DEMU Goods and proportion of mixed Vehicle and wagon K.Ms. (excluding dpt. mental and brake-vals) (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 (—)
876 1,007	890 1,018	902 1,107	913 1,103	944 1,146	954 1,090	1,022 1,044	1,065 1,077	1,073 * 1,185	1,133 1,190	1,170 * 1,132 *	1,210 1,250	1,296 1,326	1,373 1,280	1,435 1,289	
282 22,097	295 23,637	318 25,044	332 27,021	317 25,017	318 24,115	349 27,224	365 29,880	381 31,998	417 35,328	402 37,298	* 423 40,458	465 44,968	492 46,725	466 46,867	
236.31 69.5 10.69	244.93 76.0 10.36	292.84 77.8 11.69	337.12 76.2 12.48	387.68 78.7 15.50	446.96 76.6 18.53	520.96 70.31 *19.14	595.75 *75.83 19.94	651.28 79.5 ** 20.35	765.76 81.4 21.68	843.20 82.73 22.61	945.15 92.05 23.36	1,057.15 93.24 23.51	1,152.47 87.28 24.67	1,344.63 96.14 28.69	
16.8 18.4	17.3 18.8	18.6 20.0	19.6 20.98	20.7 21.97	19.0 20.1	19.27 20.39	21.02 22.20	23.41 24.55	27.53 29.00	29.34 30.95	29.51 30.94	30.09 32.11	24.88 27.27	24.08 24.86	
11,906 12,200 316.50	11,998 12,282 374.12	13,200 13,467 439.32	13,201 13,467 472.16	13,622 13,857 524.31	129,91 131,58 602.65	12,931 13,091 670.69	13,864 14,026 779.38	15,018 15,141 884.33	15,251 15,407 1,065.44	14,629 14,763 1,068.34	15,788 15,921 1,159.72	16,623 16,791 1,287.76	15,506 15,725 1,210.66	15,924 16,118 1,256.59	
346 26.58	351 31.18	342 33.28	353 35.77	350 38.49	349 46.39	331 51.87	330 56.22	304 58.89	303 69.86	311 73.03	311 73.46	312 77.47	331 78.07	331 78.91	
212 162,219	205 171,611	177 179,309	168 177,546	128 179,265	40 161,865	15.46 170,530 *	2.34 178,816 *	2.19 178,665 *	2.10 181,125	2.18 1,97,668	2.16 2,17,566	2.59 2,19,143	1.90 2,26,870	1.74 2,32,602	
307.55 324.63	347.46 391.39	427.42 454.57	457.63 476.18	587.05 617.49	480.06 505.13	456.31 493.35	498.43 507.23	696.56 719.08	1024.92 1040.55	920.15 972.00	766.61 *779.59	992.02 1,019.24	*934.29 *958.58	1,246.79 1,260.63	
632.70 766.79	710.24 879.77	822.58 976.21	918.02 1,081.45	1,007.91 1,220.57	1,193.62 1,313.76	1,327.35 *1,447.90	1,546.09 1,627.72	1,699.87 1,821.09	2,022.29 2,241.30	2,104.80 2,423.34	2,336.43 *2,679.55	2,603.34 3,140.57	2,607.15 3,251.10	2,854.45 3,398.97	
(-)118.22 (-) 10.99	(-)150.00 (-) 12.54	(-)125.60 (-) 9.51	(-)127.78 (-) 8.98	(-)169.05 (-) 9.41	(-)66.31 (-) 3.27	*(-) 63.93 (-) 2.81	(-)31.24 (-)1.20	(-)70.47 (-)2.39	(-)161.45 (-)4.54	(-)243.00 (-)5.99	(-)249.87 (-)5.51	(-)437.06 (-)8.81	*(-)630.86 (-)11.77	(-)485.51 (-)8.47	
122.04 66.85 ..	124.02 71.40 ..	118.63 84.50 ..	117.81 93.69 ..	117.96 113.15 ..	110.60 139.66 ..	109.47 *145.15 ..	105.62 146.31 ..	106.98 143.62 ..	111.81 142.90 ..	114.29 185.71 ..	114.74 217.23 ..	120.80 248.25 ..	124.98 259.83 ..	119.15 289.15 ..	
(-) 185.07	(-) 221.41	210.11	(-)221.17	(-)282.20	(-)205.97	*(-) 209.08	(-) 177.55	(-) 214.09	(-) 304.39	(-) 428.71	*(-) 467.10	(-) 685.31	*(-) 890.69	(-)774.66	

* Revised.

258 द. रे. वार्षिक रिपोर्ट/S. R. ANNUAL REPORT 2019-20
SOUTHERN RAILWAY

70th वर्ष का सार

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	2015-16	2016-17	2017-18
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	13,880.76	14,500.83	15,512.38
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	22,413.99	25,338.31	29,435.40	31,162.06	33,582.91
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	2,745.40	2,835.07	2,975.17
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	5,074.45	5,079.51	5,081.06
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	4,573.89	4,940.01	5,150.52
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	6,949.58	7,003.39	7,193.92	7,311.01
Number of Stations	601	599	597	536	545	552*	566	*597	590	598	597	608	614	619	622
Rolling Stock—															
Locomotives															
Steam ..	10	10	10	10	10	10	10	11	10	11	11	8	8	8	6
Diesel ..	421	421	426	416	393	373	393	384	404	384	416	399	397	401	354
Electric ..	243	223	241	265	279	290	306	333	371	384	421	435	450	447	466
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	6,268	6,181	6,284
Electric Multiple Unit	607	704	618	676	669	677	614	714	719	739	767	811	822	815	821
Coaches.															
Rail cars ..	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0
Other coaching vehicles	206	387	464	499	282*	281	385	454	321	341	341	364	357	360	341
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	9,626	9,552	9,237
Staff—															
No. of employees (in 1000s)	106.844	*106.258	*104.865	105.177	104.680	102.472	99.329	95,741	94,492	93,805	92,758	91,810	94,085	93,452	90,248
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*	*46,475.59	49,934.43	55,924.94	62,141.11	68,714.49	74,751.75	93,901.61	1,00,209.06
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*	*48,543.4	5,28,450	5,96,231	6,69,928	7,48,447	7,94,574	1,00,486.0	1,11,127.7
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	52.52	53.23	53.94
EMU ..	..	..	..	..	..	..	..	8.50	8.68	8.79	8.74	8.79	9.18	9.10	8.82
MEMU ..	..	..	..	..	..	..	..	1.82	1.98	2.36	2.64	2.62	2.69	2.74	2.79
DEMU ..	..	..	..	..	..	..	..	0.61	0.56	0.73	0.73	0.75	1.33	1.37	1.39
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	10.11	9.65	9.46
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	1,995	2,040	2,083.00
EMU ..	..	..	..	..	..	..	..	79.30	81.43	82.69	84.67	86.35	90.71	91.63	89.39
MEMU ..	..	..	..	..	..	..	..	15.67	17.03	20.08	22.39	22.85	23.36	23.84	24.15
DEMU ..	..	..	..	..	..	..	..	4.52	3.70	5.18	4.88	5.44	10.53	10.89	10.71
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	1,483	1,447	1,438
Volume of Traffic—															
Passenger Traffic—															
No. of passengers originating (in millions)	418	460	496	565	621	687	690	734	801	831	831	807	798	799	814
No. of passengers carried (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	85,396	85,033	88,282
Passenger kilometres (in millions)	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	3,858.67	4,011.83	4,247.05
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	99.92	106.42	97.36
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	45.19	47.18	49.46
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	33.48	32.36	29.47
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	33.59	32.51	29.62
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	15,583	14,369	15,486
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	15,583	14,379	15,496
Earnings from goods carried excluding wharfe 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	2,756.03	2,560.85	2,635.36
Average lead (in kilometres) (Revenue)	283	280	263	234	225	236	362	*254	270	264	251	262	269	263	284
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	176.86	1780.6	1.70
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	0.01	0.004	0.021
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	1,948.69	1,903.85	1,781.67
Stores purchased (in crores of Rs.)—															
Indigenous	974.15	1,260.84	1,638.44	1,790.10	1,901.84	3,003.37	2,872.53*	2,467.66	2,522.92	2,565.62	4,075.39	29,10.81	20,22.89	24,22.61	32,79.00
Total	1,015.49	1,283.20	1,699.65	1,800.81	2,308.19	3,050.84	2,890.88	2,469.21	2,535.74	2,610.11	4,225.49	34,34.22	24,94.51	24,31.88	32,86.43
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	7,592.34	7,605.93	7,510.29	7,674.38
Working expenses including depreciation etc. and miscellaneous expenses.	2,879.45	3,123.99	3,334.34	3,522.94	3,968.17*	4,541.02	6,139.53	6,467.85	6,896.68	7,827.83	8,977.63	9,799.98	10,214.82	11,175.01	12,313.22
Net revenue receipts	(-) 400.25	(-) 501.80	(-) 551.27	(-) 244.85	(-) 191.13	(-) 1126.97	(-) 1689.63*	(-) 1670.60	(-) 1297.62	(-) 1808.10	(-) 2,149.09	(-) 2,201.99	(-) 2,587.76	(-) 3,646.36	(-) 4,635.70
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	(-) 14.13	(-) 19.02	(-) 23.00
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	134.89	147.83	161.14
Dividend to General Revenue	248.13	231.17	249.47	264.30	294.87	311.54	357.86	321.32	369.12	342.90	488.69	562.34	519.65	0.00	0.00
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	(-) 2,590.62	(-) 2,952.50	(-) 3,646.36	(-) 4,635.70

No. of Staff
(Figures in Thousands)

As on March 2020
Open line : 83.53
Construction : 1.13
Total : 84.66

70th YEAR OF SUMMARY—concl'd.

2018-19	2019-20																Details
16,945.73	18696.86																Assets—(As on 31st March)
36,496.17	39619.62																Capital-at-charge (Rs. in crores)
																	Total investment (Rs. in crores)
3,223.58	3418.96																Route Kilometres Electrified
5,081.06	5086.89																Total
5,467.59	5703.35																Running track Kilometres Electrified
7,342.95	7376.53																Total
611	610																Number of stations.
6	8																Rolling Stock—
350	344																Steam .. } Locomotives
489	528																Diesel .. }
6,638	6819																Electric .. }
833.84	887.17																Passenger carriages } Coaching stock
																	Electric Multiple Unit coaches. }
0	0																Rail cars .. }
439	421																Other coaching vehicles
9,536	10000																Wagons
85.839	84.660																Staff—
10,384.29	10763.18																No. of employees (in 1000s)
1209741	1271342																Cost of staff (in crores of Rs.)
																	Average cost per employee (in Rs.)
																	For the year—
55.01	55.57																Transportation Out-put—Train kilometres
9.26	9.02																excluding deport. mental (in millions)—
3.11	3.50																Passenger and proportion of mixed
1.40	1.55																EMU
10.56	9.97																MEMU
																	DEMU
2,122.80	2135.77																Goods and proportion of mixed
95.07	93.13																Vehicle and wagon K.Ms. (excluding
28.00	31.71																dpt. mental and brake-vans) (in millions)—
11.01	11.79																Vehicle kilometres
479	450																EMU
																	MEMU
																	DEMU
																	Wagon kilometres
838	800																Volume of Traffic—
903	846																Passenger Traffic—
88500	88131																No. of passengers originating (in millions)
4482.49	5045.93																No. of passengers carried (in millions)
98.01	104.17																Passenger kilometres (in millions)
50.65	57.25																Passenger earnings (in crores of Rs.)
																	Average lead (in kilometres)
																	Average rate per passenger. K.M.
																	(in paise)
																	Goods Traffic—
																	Tonnes originating (in millions)—
35.75	31.75																Revenue earning traffic
35.97	31.96																Total traffic
16964	15459																Net tonne K. M. (in millions)—
16976	15473																Revenue earning traffic
3065.22	2695.37																Total traffic
283	283																Earnings from goods carried excluding wharfage
1.81	1.74																and demurrage charges (in crores of Rs.).
																	Average lead (in kilometres)
0.000	0.000																Average rate per tonne kilometre (in paise)
1,677.29	1361.07																Quantity of fuel consumed by locomotives—
																	Coal (in thousand tonnes)
5,165.61	5636.63																Diesel oil (in kilolitres)
5,175.54	5642.10																Stores purchased (in crores of Rs.)—
																	Indigenous
																	Total
8,464.11	8189.02																Operating revenue and
12,773.24	11726.25																expenditure (in crores of Rs.)—
																	Revenue—Gross receipts
-4,305.67	-3509.28																working expenses including depreciation
-19.95	-18.77																etc. and miscellaneous expenses.
																	Net revenue receipts
152.62	146.48																Percentage of net revenue receipts to the
0.00	0.00																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.
-4,305.67	-3509.28																Surplus (+)/Deficit (—)

दक्षिण रेलवे/SOUTHERN RAILWAY

सघनता विवरणिका 2018-2019 (बड़ी लाइन)/DENSITY STATEMENT FOR THE YEAR 2019-2020—BROAD GAUGE

Serial No.	Name of the Section	Route Km 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 km 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	682			Up.	Dn.	Up.	Dn.	Up.	Dn.	Up.	Dn.	Up.	Dn.		Up.	Dn.	Up.	Dn.	Up.	Dn.	Up.	Dn.
1	MAS-GDR	136	D	E	23.386	23.386	1000.827	1000.827	7.705	7.785	234.432	239.107	11236	5481	1617	103	11866	51715	51715	51818	63581	1458	704
2	MAS-AJJ	69	D	E	38.639	38.639	1574.046	1574.046	15.375	15.467	505.723	512.124	12150	21658	33807	140	34919	109278	109278	109418	144197	790	1400
3	AJJ-JTJ	144	D	E	41.587	41.587	1700.084	1700.084	11.972	11.764	788.980	775.605	11045	40584	51629	91	61316	50566	50566	50657	111882	923	3450
4	AJJ-RU	72	D	E	14.943	14.943	532.461	532.461	18.984	18.937	671.281	663.546	36551	10822	47373	75	29452	17966	17966	18041	47418	1925	571
5	MSB-VLCY EMU	19	D	E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	32983	32983	32983	32983	0	0
6	VM-KOK	169	D	E	28.019	28.019	1115.214	1115.214	2.490	2.627	59.084	67.849	1591	3468	5058	34	5301	33370	33370	33404	38671	639	1320
7	CGL-AJJ	67	S	E	1.660	1.660	40.332	40.332	0.418	0.240	17.560	9.158	274	323	597	28	581	5492	5492	5521	6074	655	1346
8	RPT-WJR	6	S	NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	6	0	0	0	0	0	0	0	0
	PALAKKAD DIVISION	568																					
1	PTJ-PGT	49	D	E	28.701	28.701	1159.820	1159.820	9.747	9.493	282.056	259.297	9629	7705	17333	5220	15090	34725	34725	39946	49816	988	812
2	PGT-SRR	44	D	E	30.682	30.682	1219.429	1216.429	4.864	5.182	228.973	248.075	7347	7244	14591	5567	14257	36092	36092	41658	50348	1510	1398
3	SRR-CLT	86	D	E	27.251	27.251	1072.436	1072.436	3.027	3.094	134.895	138.835	3221	4595	7816	4365	8598	31176	31176	35541	39774	1064	1485
4	MAQ-CLT	220	D	E	23.624	23.624	935.739	935.739	2.329	2.346	94.966	95.863	2774	2564	5339	4870	5447	27312	27312	32183	32759	1191	1093
5	PGT-PGTN	4	D	E	3.935	3.935	123.508	123.508	0.066	0.060	1.938	1.626	697	58	128	124	125	4194	4194	4319	4320	1049	971
6	SRR-NIL	66	S	NE	6.810	6.810	164.224	164.224	0.057	0.056	0.980	0.980	38	38	76	81	81	4890	4890	4972	4972	670	682
7	MAQ-PNMB	24	S	NE	7.067	7.067	252.587	251.587	3.456	3.456	169.607	169.607	3829	3829	7659	7592	7592	7643	7643	15236	15236	1108	1108
8	POY-PGTN	54	S	NE	6.009	6.009	100.296	100.296	0.112	0.112	3.637	3.637	112	112	224	241	241	2912	2912	3153	3153	998	998
9	POY-CNV	21	S	NE	5.339	5.339	51.029	51.029	0.093	0.092	3.451	3.450	133	133	267	233	233	1605	1605	1838	1838	1434	1449
	THIRUVANANTHAPURAM DIVISION	620																					
1	SRR-ERS	115	D	E	39.755	39.755	1584.437	1584.437	3.382	3.274	151.830	146.792	6433	4133	10566	11094	8730	46264	46264	57358	54994	1902	1262
2	ERS-QLN	156	D	E	25.957	25.957	1004.159	1004.159	0.530	0.506	22.286	21.666	813	616	1430	1542	1327	29916	29919	31458	31243	1535	1218
3	QLN-TVC	65	D	E	31.900	31.900	1266.823	1266.823	0.308	0.329	13.472	14.935	252	705	957	711	1197	37017	37017	37728	38213	817	2144
4	CAPE-NCJ	16	S	E	6.1075	6.1075	205.170	205.170	0.000	0.000	0.000	0.000	0	0	0	0	0	7637	7637	7637	7637	0	0
5	TEN-TVC	144	S	E	0.000	0.000	0.000	0.000	0.315	0.345	14.012	15.755	295	686	980	756	444	4289	4289	5045	4732	936	1987
6	ERS-KYJ	101	S	E	14.683	14.683	581.664	581.664	0.381	0.393	11.899	12.455	434	454	888	870	929	16790	16790	17661	17719	1139	1156
7	TCR-GUV	23	S	E	6.806	6.806	226.192	226.192	0.000	0.000	0.000	0.000	0	0	0	0	0	6462	6462	6462	6462	0	0

दक्षिण रेलवे/SOUTHERN RAILWAY

सघनता विवरणिका 2019-2020 (छोटी लाइन)/DENSITY STATEMENT FOR THE YEAR 2019-2020—METRE GAUGE

Serial No.	Name of the Section	Route Kms. of the Section	Whether the Section is Single/Double/ Triple	Whether the Section is Electrified	Average Daily No. of Coaching trains run on the Section		Average total Daily No. of Vehicles (In terms of 4-wheelers) Run on the Section		Average Daily No. of Goods trains run on the Section		Average Daily total No. of wagons (In terms of 8-wheelers) Run on the Section		Net tonne Kms. per route Kms. per day		Total (14 + 15)	Gross tonne kilometres (Including weight of engine and Departmental) For Goods including proportion of mixed per route kilometre per day	Gross tonne kilometres (Including weight of engine and Departmental) For Coaching including proportion of mixed per route kilometre per day	Gross tonne kilometres (Including weight of engine and Departmental) For coaching and Goods services combined per route kilometre per day	Average net load per Goods train						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)		
1	SALEM DIVISION MTP-UAM	45.88	S	NE	Up.	Dn.	Up.	Dn.	Up.	Dn.	Up.	Dn.	Up.	Dn.	0	0	0	30	0	773	773	804	773	0	0

Note : Route Kilometre as per Annual statistical Statement No. 8 for M. G. 247.37
Route Kilometre as per Density Statement for M. G. 45.88

The Difference is due to Inclusion of sections under Gauge conversion Madurai (MDU)- Bodinayakanur (BDNK) 89.74 Kms. Tiruturaipoondi (TTP) Agastiyampalli (AGX) 38 Kms., Tiruturaipoondi (TTP)-Pattukkottai (PKT) 48 Kms., Tiruturaipoondi (TTP)-Thiruvavarur (TVR) 26 kms. Totaling 202 Kms.