

महाप्रबंधक की वार्षिक रिपोर्ट

General Manager's

ANNUAL NARRATIVE REPORT

2020—2021

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 2021 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 2021.

आर. एन. सिंह

R. N. SINGH

महा प्रबंधक/GENERAL MANAGER

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शब्दावली/GLOSSARY OF TERMS

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

CAPITAL-AT-CHARGE

Includes capital outlay on worked lines.

ROUTE KILOMETRES

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

GROSS EARNINGS

True earnings in an accounting period irrespective of whether amounts have been realised or net.

WORKING EXPENSES

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

NET EARNINGS

Gross earnings minus working expenses.

OPERATING RATIO

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

PASSENGER KILOMETRES

The transportation of one passenger one kilometre.

TONNES ORIGINATING

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

FRIEGHT TONNE KILOMETRES

The transportation of one tonne of freight one kilometre.

TRAIN KILOMETRES

The transportation of one train one kilometre.

NUMBER OF STAFF

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

NUMBER OF STATIONS

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

SOUTHERN RAILWAY

परिचालन संबंधी विशिष्टताएं/HIGHLIGHTS OF OPERATIONS

Particulars	Units	2019-20	2020-21
<i>Financial Position —</i>			
Capital-at-Charge	₹ in Crores	18696.86	19711.90
Capital Fund	₹ in Crores	4640.62	4640.62
Gross Earnings	₹ in Crores	8189.02	4026.43
Working expenses (excluding suspense)	₹ in Crores	11933.55	8803.63
Net Earnings	₹ in Crores	-3804.54	-4777.21
Operating Ratio	Percentage	146.46	218.65
Percentage of Net Earnings to Capital-at-charge and investment from Capital Fund	Percentage	-20.35	-24.19
<i>Passenger Statistics —</i>			
No. of Passengers Originating	In Millions	800	98.08
No. of Passengers Carried	In Millions	846	106.28
Passenger Kilometres	In Millions	88131	14308.59
Earnings from Passenger Carried	₹ In Crores	5045.93	1128.29
Average Earning per Passenger Kilometres	In Paise	57.25	78.85
Average length of Passenger journey on carried basis	Kilometre	104.21	134.63
<i>Freight Statistics —</i>			
Freight Tonnes Originating (Revenue)	In Millions	31.75	26.84
Freight Tonnes Carried (Revenue)	In Millions	54.37	53.13
Freight Tonne Kilometres (Revenue)	Kilometre	15459.40	15760.58
Earnings from Goods Carried (Revenue)	₹ in Crores	2692.29	2545.30
Average Earning per Freight Tonne Kilometres	in Paise	174.16	161.50
Average Lead of Tonne of Goods (Revenue)	Kilometre	284.33	296.64
<i>Train Statistics —</i>			
Train Kms. Pass & Goods incl. Dept. EMU, MEMU, DEMU (in thousands)	Kilometre	79815	31078
Gross Earnings per Train Kilometre	₹	1026.00	1295.59
Working Expenses per Train Kilometre	₹	1495.15	2832.75
Net Earnings per Train Kilometre.. .. .	₹	-476.67	-1537.17
<i>Staff —</i>			
No. of Staff as on 31st March	Number	84660	85282
Cost of Staff	₹ In Crores	10763.18	7300.60
<i>Station and Route Kilometrage —</i>			
No. of Stations as on 31st March (Excl. Halts & incl. Block Huts)	Number	610	611
Route Kilometres as on 31st March	Kilometre	5086.69	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	2019-20	2020-21
Assets (as on 31st March)			
Capital-at-Charge	₹ in Crores	18,696.86	19,711.90
Total Investment	₹ in Crores	39,619.62	40,677.32
Route kilometers-Electrified	₹ in Crores	3,418.96	3,605.77
Total Route kilometers	₹ in Crores	5,086.69	5,088.69
Running Track kilometers-Electrified	₹ in Crores	5,703.35	7,871.51
Total Running Track kilometers	Percentage	7,376.53	7,550.00
Number of stations Excl Halts & Incl. Block Huts. ..	Percentage	610	611
ROLLING STOCK			
Locomotives- Steam	In Millions	8	8
Diesel	In Millions	344	333
Electric	In Millions	528	564
Coaching Stock-Passenger Carriages	₹ In Crores	6819	6776
E.M.U. Coaches	In Paise	887.17	858.75
Rail Cars	Kilometre	0	0
Other Coaching Vehicles	Kilometre	421	412
Wagons	Kilometre	10,000	9,999
STAFF—			
No. of employees	Number	84,660	85.282
Cost of Staff	₹ In Crores	10,763.18	7,300.60
Average cost per employee	₹	12,71,342	8,56,054
TRANSPORTATION OUTPUT			
Train Kilometres excluding departmental	In Millions	...	...
Passenger and proportion of Mixed	₹ in Crores	55.57	14.66
EMU		9.02	2.90
MEMU		3.50	0.79
DEMU		1.55	0.04
Goods and proportion of Mixed	Kilometre	9.97	11.10
Vehicle and Wagon Kilometres excl dept. and Brakevans			
Vehicle	Kilometres	2,135.77	597.99
EMU		93.13	29.31
MEMU		31.71	7.48
DEMU		11.79	0.32
Wagon	Kilometre	450	455
VOLUME OF TRAFFIC-PASSENGER TRAFFIC			
No. of Passengers originating	In Millions	800	98.08
No. of Passengers Carried	In Millions	846	106.28
Passenger Kilometre	₹ In Millions	88131	14308.59
Passenger Earnings	₹ In Crores	5045.93	1128.29
Average Lead	in Kilometre	104.21	134.63
Average rate per Passenger per Kilometre (in paise) ..		57.25	78.85

SOUTHERN RAILWAY

परिचालन संबंधी विशिष्टताएं/HIGHLIGHTS OF OPERATIONS

Details	Units	2019-20	2020-21
GOODS TRAFFIC			
TONNES ORIGINATING	in Millions		
Revenue earning traffic		31.75	26.84
Total traffic		31.96	26.89
NET TONNE KMS. (in Millions)	in Millions		
Revenue earning traffic		15459	15761
Total traffic		15473	15765
Earnings from Goods carried excluding wharfage and demurrage charges Revenue and Non-Revenue	₹ in Crores	2695.37	2546.10
Average Lead -Revenue Kilometre.. .. .		283	296
Average rate per tonne km.	In Rs.	1.74	1.62
QUANTITY OF FUEL CONSUMED BY LOCOMOTIVES			
Coal (tonnes)	In Thousands	0.00	0.00
Diesel oil (in hundreds of kilo litres)		1361.07	317.70
STORES PURCHASED	₹ In Crores		
Indigenous (Excluding imported Direct)		5636.63	2968.84
Total		5642.10	2974.12
OPERATING REVENUE & EXPENDITURE	₹ In Crores		
Revenue-Gross Receipts		8189.02	4026.43
Working expenses including depreciation etc., and Miscellaneous expenses		11726.25	8803.63
Net Revenue Receipts		(-)3509.28	-4777.21
Percentage of Net Revenue Receipts to the Capital-at-Charge and investment from Capital Fund		(-)18.77	-24.19
Operating Ratio	Percentage	146.48	218.65
Dividend to General Revenues		0.00	0.00
Surplus (+) Deficit(-)		(-)3509.28	-4777.21

No. of Staff As on March 2021

(Figures in 000's)

OPEN LINE	84.21
CONSTRUCTION	1.07
TOTAL	85.28

I. सामान्य समीक्षा/GENERAL REVIEW

General Economic Condition of the Zone

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

Tamil Nadu :

1. Tamil Nadu Generation and Distribution Corporation Ltd. (TANGEDCO)
2. Water Resources Department
3. Department of Geology and Mining
4. Tamil Nadu Industrial Development Corporation Ltd. (TIDCO)
5. Department of Agriculture
6. Department of Agriculture and Farmer's Welfare Department.

Kerala :

1. Transport Commissionerate, Kerala

Tamil Nadu :

1. **TANGEDCO** in respect of irrigation and power project completed and commissioned during 2020–21 : **Nil**

2. Water Resources Department

Details of Irrigation and Power projects in respect of Water Resources Department that which has been, completed and commissioned during 2020-21, under construction and Anticipated benefits, proposals if any to be under taken

1.0.Important Ongoing Schemes

1.1.Inter-Linking of Thamiraparani-Karumeniyar-Nambiyar Rivers in Tirunelveli and Thoothukudi Districts

During the year 2008, Administrative Sanction was accorded at an estimated cost of Rs.369.00 Crore in anticipation of funding assistance from the Union Government under Accelerated Irrigation Benefits Programme (AIBP) for Interlinking of Tambiraparani, Karumeniyar and Nambiyar rivers by excavating a new flood carrier canal to utilize 2,765 Mc.ft. of surplus water. By implementation of this scheme, 56,931.84 acre of lands will be benefited in Tirunelveli and Thoothukudi Districts.

The total Revised Administrative Sanction for the project is Rs.933.23 Crore.

In Stage I, all the works under 18 Packages were completed. In Stage II, out of 18 Packages, works in 15 Packages were completed and in remaining 3 Packages, works are in progress. In Stage III, out of 18 Packages, works in 12 Packages were completed and in remaining 6 Packages works are in progress. In Stage IV, out of 18 Packages, works in 2 Packages were completed and in remaining 16 Packages, works are in progress.

The Investment clearance was accorded by the Ministry of Water Resources, River Development and Ganga Rejuvenation, Union Government for an amount of Rs.872.45 Crore. The Funding proposal for the financial year 2021-22 have been sent to the Director, Central Water Commission, Chennai for getting Funding Assistance from Union Government.

1.2. Construction of New Regulator across Southern and Northern arms of Upper Anicut of Kollidam River in Tiruchirappalli District

Construction of a new regulator across Southern and Northern arms of the Kollidam River on the downstream side of the existing regulator at Mukkombu(Upper Anicut) in Tiruchirappalli District at an estimated cost of Rs.387.60 Crore under NABARD assistance to benefit an ayacut of 12,58,460 acres in lieu of damaged Mukkombu regulator is under implementation. This scheme envisages construction of new regulator, single Lane bridge over regulator, guide wall, standardization of flood banks and allied works. 83% work was completed. Remaining works are in progress.

1.3.Construction of a Barrage with head sluices across the Kollidam River at Adhanur, Kumaramangalam Villages in Cuddalore and Mayiladuthurai (Nagappattinam) Districts.

Construction of Barrage with head sluices across the River Kollidam between Adhanur and Kumaramangalam villages of Cuddalore and Mayiladuthurai (Nagappattinam) Districts for an amount of Rs.494.60 Crore to store 1.072 TMC ft. in 4 fillings to benefit an ayacut of 31,221 acres in tail end area is in progress. So far, 74% work was completed.

1.4.Construction of Barrage across Cauvery River in Nanjaipugalur

The Government have accorded sanction for an estimated cost of Rs.406.50 Crore for the work of Construction of a Barrage across the River Cauvery in Nanjaipugalur village in Pugalur Taluk in Karur District under NABARD Infrastructure Development Assistance(NIDA). By implementing this scheme, 800 Mc.ft. of water will be stored and an ayacut of 4,041 acre will be benefited in Karur & Namakkal Districts and to cater to the need of the water requirement of Tamil Nadu Newsprint and Papers Limited. So far, 6% work was completed, remaining works are in progress.

1.5.Extension, Renovation and Modernization(ERM) of Irrigation Infrastructures in Cauvery Basin

To ensure an economically sustainable and equitable water delivery system that supports growth of agriculture by increasing the agricultural output of high yield and water productivity, the Government is implementing Extension, Renovation and Modernization of Irrigation Infrastructures in Cauvery Basin Project for efficient irrigation management at an estimated cost of Rs.7705.75 Crore to benefit an ayacut area of 8,83,426 acre as detailed below:-

- ❖ Kattalai High Level Canal Irrigation System at a cost of Rs.335.50 Crore.
- ❖ Rajavoikkal Irrigation System at a cost of Rs.184.00 Crore.
- ❖ Noyyal River System at a cost of Rs.230.00 Crore.
- ❖ Lower Bhavani Project at a cost of Rs.933.10 Crore.
- ❖ Cauvery Sub Basin at a cost of Rs.3,384.00 Crore.
- ❖ Grand Anicut Canal System at a cost of Rs.2,639.15 Crore.

Works Completed

Extension, Renovation and Modernisation of Noyyal river system from L.S. 72 km to 158.35 km has been completed at an estimated cost of Rs.55.04 Crore.

Works in Progress

Extension, Renovation and Modernisation of Noyyal river system from L.S. 0 km to 34 km at an estimated cost of Rs.88.63 Crore is in progress.

Extension, Renovation and Modernisation of Noyyal river system from L.S. 34 km to 72 km at an estimated cost of Rs.86.33 Crore is in progress.

Extension, Renovation and Modernisation of Lower Bhavani Project Main Canal from mile 0-0-373 to 18-1-375 in Erode District at an estimated cost of Rs.194.15 Crore is in progress.

Extension, Renovation and Modernisation of Lower Bhavani Project Main Canal from mile 18-1-375 to 39-0-000 in Erode District at an estimated cost of Rs.127.65 Crore is in progress.

Extension, Renovation and Modernisation of Lower Bhavani Project Main Canal from mile 39-0-000 to 63-0-560 in Erode District at an estimated cost of Rs.198.25 Crore is in progress.

Extension, Renovation and Modernisation of Lower Bhavani Project Main Canal from mile 63-0-560 to 124-2-560 in Erode, Tiruppur and Karur Districts at an estimated cost of Rs.189.55 Crore is in progress.

Extension, Renovation and Modernisation of Kalingarayan Channel from mile 15-4.5-195 to 56-5.5-328 in Erode District at an estimated cost of Rs.76.80 Crore (LBP package) is in progress.

Extension, Renovation and Modernisation of Thadappalli Channel and Arakkankottai Canal in Kodiveri Anicut system in Erode District at an estimated cost of Rs.146.70 Crore (LBP package) is in progress.

Extension, Renovation and Modernisation of Kattalai High Level Canal Irrigation System in Cauvery Basin at an estimated cost of Rs.335.50 Crore is in progress.

Extension, Renovation and Modernisation of Rajavoikkal and Poiyeri Voikkal in Rajavoikkal Irrigation System in Cauvery Basin in Paramathivelur and Mohanur Taluks of Namakkal District at an estimated cost of Rs.92.00 Crore is in progress.

Extension, Renovation and Modernisation of Kumarapalayam Channel and Mohanur Channel in Rajavoikkal Irrigation System in Cauvery Basin in Paramathivelur and Mohanur Taluks of Namakkal District at an estimated cost of Rs.92.00 Crore is in progress.

Rehabilitation of Irrigation Infrastructure in G.A. Main Canal from L.S. 0.000 km. to 12.624 km. and G.A.No.1-A Channel, G.A.No.1 Rear Channel, G.A.No.1-B Rear Channel with Feeding Tanks in Budalur Taluk of Thanjavur District at an estimated cost of Rs.173.00 Crore is in progress.

Rehabilitation of Irrigation Infrastructure in G.A. Main Canal from L.S. 12.640 km. to 30.430 km, G.A.No.2 Rear Channel, G.A.No.3 Channel and Chakkara Branch Channels with Feeding Tanks in Budalur and Thanjavur Taluks of Thanjavur District at an estimated cost of Rs.192.00 Crore is in progress.

Rehabilitation of Irrigation Infrastructure in G.A. Main Canal from L.S. 30.430 km. to 45.290 km. and G.A.No.4,G.A. No.5 Channel, G.A.No.5-A Rear Channel and Neivasal Thenpathy Branch Channels with Feeding Tanks in Papanasam and Orathanadu Taluks of Thanjavur District at an estimated cost of Rs.169.00 Crore is in progress.

Rehabilitation of Irrigation Infrastructure in G.A. Main Canal from L.S. 45.290 km. to 58.650 km, V.T.Channel, G.A.No.6 Channel, G.A. No.7 Channel, G.A.No.8 Channel, G.A.No.8 Rear Channel,and Kalyanaodai Branch Canal from L.S.0.000 km. to 13.000 km, Kulamangalam Main Channel, Paruthikkottai Channel, Melavannipattu Channels with Feeding Tanks in Thanjavur, Papanasam, Orathanadu Taluks of Thanjavur District at an estimated cost of Rs.265.00 Crore is in progress.

Rehabilitation of Irrigation Infrastructure in G.A. Main Canal from L.S. 58.650 km. to 92.200 km, Akkaravattam Main Channel, Alivalam Channel, Naduvikottai Channel, G.A.No.13 Channel and G.A. No.14 Channel with Feeding Tanks in Orathanadu and Pattukkottai Taluks of Thanjavur District and Karambagudi Taluk of Pudukottai District at an estimated cost of Rs.237.70 Crore is in progress.

Extension, Renovation and Modernisation of Irrigation Infrastructure in Cauvery River from mile 17/2 to 26/6 of Cauvery Sub Basin in Budalur Taluk of Thanjavur District at an estimated cost of Rs.122.60 Crore is in progress.

Extension, Renovation and Modernisation of Irrigation Infrastructure in Cauvery River from mile 26/6 to 37/1 of Cauvery Sub Basin in Budalur and Thiruvaiyaru Taluks of Thanjavur District at an estimated cost of Rs.102.20 Crore is in progress.

1.6.Mettur Sarabanga Lift Irrigation

Diversion of flood surplus water from Mettur Dam to dry tanks in Sarbanga Basin in Salem District by Lift Irrigation at an estimated cost of Rs.565.00 Crore is under implementation. By implementing this scheme, an ayacut of 4,238 acre will be benefitted. 73% work was completed, remaining works are in progress.

1.7.Athikadavu-Avinashi Pumping Scheme

Athikadavu Avinashi Scheme as Irrigation, Groundwater Recharge and Drinking water supply scheme at an estimated cost of Rs.1756.88 Crore under State fund in Design, Build, Operate, Transfer (DBOT) basis is under implementation. Construction work on the diversion weir and six water pumping stations, Installation of water transmission pipes, electrical and other works are in progress.

2.0.Climate Change Adaptation Programme in Cauvery Delta with the assistance of Asian Development Bank (ADB)

Climate Change Adaptation in Vennar Sub Basin of Cauvery Delta Project at the revised estimate cost of Rs.1,110.17 Crore is under implementation in Harichandranathi, Adappar, Vellaiyar, Pandavaiyar Rivers, Valavanar Drain, Vedharanyam Canal, Uppanar Drain and 13 pumping schemes.

Out of 7 packages, works in 4 packages viz., Pandavaiyar, Valavanar Drain, Vedharanyam Canal, Uppanar Drain, were completed and the works in remaining 3 packages viz., Harichandranathi, Adappar and Vellaiyar are in progress. Also works in 13 pumping schemes were completed.

For implementing follow on Project 2, the preliminary Project Report for works in 6 Rivers viz., Vennar, Paminiyar, Koraiyar, Kaduvaiyar, Marakkakoraiyar, Manankondanar and six pumping schemes for an amount of Rs.1,825.00 Crore (US \$ 250 Million) is proposed to send to the Union Government for seeking funding assistance from Asian Development Bank (ADB).

3.0.World Bank Assisted Tamil Nadu Irrigated Agriculture Modernization Project (TNIAMP)

In this project, Rehabilitation Works have been planned in four phases. Also, Administrative Sanction was accorded for the rehabilitation of flood affected 59 tank Systems consisting of 57 tanks and 2 Main Irrigation Channels grouped into 16 packages for Rs.43.63 Crore under World Bank Funding. Works have been completed in all 16 packages.

In Phase-I, Administrative Sanction was accorded for the rehabilitation of 1,325 tanks, 107 anicuts and construction of 45 artificial recharge wells in 18 sub basins grouped into 204 packages at an estimated cost of Rs.743.57 Crore, including 18 packages of Environment component at an estimated cost of Rs.1.86 Crore. Out of 204 packages, Rehabilitation works were completed in 183 packages and remaining in progress. 18 Environment work packages are under progress.

In Phase-II, Administrative Sanction was accorded for the sum of Rs.649.55 Crore for the rehabilitation of 906 tanks, 181 anicuts and construction of 37 artificial recharge wells in 16 sub basins grouped into 45 packages, which includes 16 packages of Environment component at an estimated cost of Rs.1.53 Crore. Rehabilitation works were completed in 6 packages and remaining works are in various stage of implementation. 16 Environment work packages are under progress.

In Phase III, 9 Sub basins, comprising rehabilitation of 329 tanks and 56 anicuts and construction of 16 Artificial Recharge wells have been selected and the preparation of Detailed Project Reports are under progress.

4.0.Creation of New Irrigation Infrastructure

4.1.New Reservoirs

Work Completed

Formation of a New Reservoir near Kannankottai and Thervoy Kandigai Villages in Gummidipoondi Taluk of Thiruvallur District at an estimated amount of Rs.380 Crore has been completed for storing 1 T.M.C. of Krishna water and benefiting an ayacut of 696 acre.

Works in progress

Formation of a New Reservoir across Marudaiyaru River near Kottarai Village in Alathur Taluk of Perambalur District at an estimated cost of Rs.149.40 Crore is in progress, to benefit an ayacut of 4194 acre. 90% of the works have been completed.

Formation of a Reservoir by upgrading the capacity of the Twin Tanks of Kattur and Thatamanji in Minjur Block of Ponneri Taluk in Tiruvallur District at an estimated cost of Rs.62.36 Crore is in progress, to benefit an ayacut of 5,804 acre. 50% of the works have been completed.

4.2.New Anicuts/Regulators

Work Completed

Construction of Tail end Regulator across Kittianai Uppanar at L.S.7.100 km in Pudupattinam Village (Thargas Anjaneyar Temple back side) of Sirkali Taluk of Mayiladuthurai District (Nagappattinam) has been completed at an estimated cost of Rs.9.77 Crore, benefiting an ayacut of 48,129 acre.

Construction of an anicut across Kozhuvannar River to feed Alathur and Vengakudi Tanks in Pilluvalasai Village in Avudaiyarkovil Taluk of Pudukottai District has been completed at an estimated cost of Rs.4.00 Crore, benefiting an ayacut of 667 acre.

Construction of an Anicut across Virusuliyar River to feed Mallanur Tank and other Tanks in Tiruvadanai Taluk of Ramanathapuram District has been completed at an estimated cost of Rs.1.896 Crore, benefiting an ayacut of 549.06 acre.

Construction of an Anicut across Paralar River to feed Perianaikulam Tank etc., in Perianaikulam Village in Kamuthi Taluk of Ramanathapuram District has been completed at an estimated cost of Rs.2.82 Crore, benefiting an ayacut of 377.75 acre.

Construction of an Anicut across Kallar River near Nemili and Asanallikuppam Villages to feed Sayanavaram Tank in Arakkonam Taluk of Ranipet District has been completed at an estimated cost of Rs.9.90 Crore, benefiting an ayacut of 2,340 acre.

Construction of an Anicut across Pennaiyar between Enaderimangalam Village in Panruti Taluk of Cuddalore District and Dalavanur Village in Villupuram Taluk and District has been completed at an estimated cost of Rs.25.35 Crore, benefiting an ayacut of 2114 acre.

Construction of Tail End Regulator across Chakkiliyan Voikkal Drainage at L.S.11.50 km in Eharajapuram Village of Vedaranyam Taluk in Nagappattinam District has been completed at an estimated cost of Rs.4.819 Crore.

Construction of an Anicut across Thoppaiswamy Malai River at R.Kombai Village in Vedsandur Taluk of Dindigul District has been completed at an estimated cost of Rs.5.92 Crore, benefiting an ayacut of 543.63 acre.

Construction of Tail End Regulator across Cauvery River at L.S.152.30 km in Dharmakulam Village of Sirkali Taluk in Mayiladuthurai District (Nagappattinam) has been completed at an estimated cost of Rs.7.87 Crore.

Works in progress

Construction of Anicut across the Kottamalar River to feed Dharugapuram Sirukulam and its series of Tanks in Chinthamani Village of Kadayannallur Taluk in Tenkasi District at an estimated cost of Rs.2.39 Crore is in progress, to benefit an ayacut of 628.8 acre. 5% of the works have been completed.

Construction of an Anicut across the Ullar River to feed Melakarisalkulam in Royagiri Village of Sivagiri Taluk in Tenkasi District at an estimated cost of Rs.2.17 Crore is in progress, to benefit an ayacut of 78.23 acre. 10% of the works have been completed.

Construction of Anicut across Ullar River to feed Kannachammal kulam in Tenmalai Village of Sivagiri Taluk in Tenkasi District at an estimated cost of Rs.2.00 Crore is in progress, to benefit an ayacut of 229.73 acre. 85% of the works have been completed.

Construction of Anicut across the Perambur Vari in Madhaiyanaipatti Village to feed the Avoor Tank in Virulimalai Taluk of Pudukkottai District at an estimated cost of Rs.2.983 Crore is in progress, to benefit an ayacut of 205.68 acre. 70% of the works have been completed.

Construction of an Anicut across Pennaiyar River near Melkumaramangalam Village in Panruti Taluk of Cuddalore District at an estimated cost of Rs.37.91 Crore is in progress, to benefit an ayacut of 3,445 acre. 30% of the works have been completed.

Construction of an Anicut across Gundar in Kalkurichi Village to feed Panthanenthall Tank in Karaipatti Taluk of Virudhunagar District at an estimated cost of Rs.10.10 Crore is in progress to benefit an ayacut of 792 acre. 40% of the works have been completed.

Construction of a Tail End Regulator across Vellapallam Uppanar at L.S.21.200 km in Thirunagari Village of Sirkali Taluk in Mayiladuthurai District (Nagappattinam) at an estimated cost of Rs.30.965 Crore is in progress to recharge the Ground water. 15% of the works have been completed.

Construction of a new Tail End Regulator across Kaduvaiyar River at L.S.156.130 km in Chettycherry Village of Nagappattinam Taluk and District at an estimated cost of Rs.16.273 Crore is in progress to recharge the Ground water & to avoid sea water intrusion. 30% of the works have been completed.

Construction of a Tail End Regulator below the confluence of the Thirunagari Channel of the Thiruvalli Tank with Nattu Kanni Manniyar to arrest sea water intrusion in Thennampattinam Village in Sirkali Taluk in Mayiladuthurai District (Nagappattinam) at an estimated cost of Rs.9.758 Crore is in progress to recharge the Ground water & to avoid sea water intrusion. 40% of the works have been completed.

4.3.New Tanks/Ponds

Work Completed

Formation of Tank across Nallathangal Odai near Kothaiyam Village of oddanchataram Taluk in Dindigul District has been completed at an estimated cost of Rs.17.38 Crore , benefiting an ayacut of 804 acre.

Formation of Percolation pond across Kannimar Odai in Mammaniur Hamlet in Komberipatti village in Vedachandur Taluk of Dindigul District has been completed at an estimated cost of Rs.1.92 Crore, benefit an ayacut of 193.47 acre.

Formation of a Percolation pond in Sendamangalam village in Ulundurpet Taluk in Kallakurichi District (formerly Villupuram District) has been completed at an estimated cost of Rs.0.41 Crore.

Works in progress

Formation of New Tank across Ponni Odai in Chokkanur Agrahara Village in Gangavalli Taluk of Salem District at an estimated cost of Rs.26.30 Crore is taken up for implementation to benefit an ayacut of 937 acre.

4.4.New Canals/Supply Channels/Barrels

Work Completed

Excavation of a supply canal from L.S. 7,100 m of the existing Krishnagiri Reservoir Project (KPR) Right Main Canal (Dindal Extension Scheme) to divert flood surplus water to feed Elankuttai Tank in Kattur Village of Karimangalam Taluk in Dharmapuri District has been completed at an estimated amount of Rs.0.299 Crore.

Works in progress

Formation of a new Flood carrier Canal from Kanjampatti Odai in Vilathikulam Taluk of Thoothukudi District to feed Sayalgudi and other Tanks in Kamudhi and Kadaladi Taluks of Ramanathapuram District at an estimated cost of Rs.18.00 Crore is in progress to benefit an ayacut of 4,241 acre. 18% of the works have been completed.

Diversion of Surplus water from Kattaru in Chinnakalayan Therkkunadu Village at Kaikanvalavu to Kariyakoil Reservoir in Pethanaickenpalayam Taluk of Salem District at an estimated cost of Rs.7.30 Crore is in progress to benefit an ayacut of 6,865 acre. 30% of the works have been completed.

Construction of Barrel at L.S.2046 m across Kannadian Channel to divert the drainage water of Kallidaikurichi Town in Ambasamudram Taluk of Tirunelveli District at an estimated cost of Rs.1.60 Crore is in progress. 10% of the works have been completed.

Construction of Drainage inlet arrangements and providing Demarcation stones in Omandur Tank Surplus course in Omandur Village and Sirugudi Village and Peramangalam Tank in Sirupathur Village of Manachanallur Taluk in Trichy District at an estimated cost of Rs.0.520 Crore is in progress, to benefit an ayacut of 1,785.00 acre. 75% of the works have been completed.

Diversion of Surplus Water from the Ramanadhi Reservoir to the Jambunadhi System of Tanks and Excavation of a New Canal from the Padmanabaperi Tank to Pungankulam and Lower down Tanks in Tenkasi and Alangulam Taluks of Tenkasi District at an estimated cost of Rs.41.08 Crore is taken up for implementation, to benefit an ayacut of 4,050 acre.

Excavation of a New Link Canal from Urmelalagiyam Tank to Karunkulam Tank in Kadayanallur Taluk of Tenkasi District at an estimated cost of Rs.1.97 Crore is in progress to benefit an ayacut of 207 acre. 15% of the works have been completed.

Excavation of a new Canal from Marankulam to Kallur Tank under the Kangeyan Anicut System in Gadana River of Tirunelveli District at an estimated cost of Rs.1.83 Crore is in progress to benefit an ayacut of 100 acre. 95% of the works have been completed.

Linking of Parambikulam Aliyar Project system to Uppar Canal in Dharapuram Taluk of Tiruppur District at an estimated cost of Rs.8.10 Crore is in progress to benefit an ayacut of 6,060 acre. 96% of the works have been completed.

4.5.New Checkdams / Bed Dams / Grade Walls

Work Completed

Construction of Checkdam across Poonaikuthivari drain at L.S.2.50 km in Manamadai Village of Karambakudi Taluk in Pudukkottai District has been completed at an estimated cost of Rs.0.46 Crore benefiting an ayacut of 250 acre.

4.6.Artificial Recharge Structures

Work Completed

Construction of a Recharge structure across the Manimuktha River near Kongarapalayam-Kandachimangalam Village in Kallakurichi Taluk and District has been completed at an estimated cost of Rs.8.76 Crore.

Works in progress

Construction of an Artificial Recharge structure across the Thondiyar River in Melchithamur Village near Vilukkam in Gingee Taluk of Villupuram District at an estimated cost of Rs.2.41 Crore. 8% of the works have been completed.

Construction of an Artificial Recharge structure across the Nallavur River near Killyanur Village in Vanur Taluk of Villupuram District at an estimated cost of Rs.3.91 Crore is in progress, to benefit an ayacut of 317 acre. 80% of the works have been completed.

4.7.New Dividing Dam

Works in progress

Construction of a Dividing dam across the Kottamalaiyar River at open off-take of Vannanerikal and Sakalanerikal to feed Vannanerikulam and Sakalanerikulam in Chinthamani Village of Kadayanallur Taluk in Tenkasi District at an estimated cost of Rs.1.75 Crore is in progress, to benefit an ayacut of 308.51 acre. Preliminary work is in progress.

4.8.New Roads/Bridges

Work Completed

Construction of a Bridge across the Ponnar Main Channel at L.S. 10.70 km in Sripuranthan Village of Udayarpalayam Taluk in Ariyalur District at an estimated cost of Rs.0.67 Crore.

Construction of a Bridge at mile 1-5-300 of Bhavani Distributary in Vettaiperiyampalayam Village of Erode Taluk and District has been completed at an estimated cost of Rs.0.98 Crore.

Construction of a Bridge across the Thadapalli Channel at mile 14-5-400 in Gobichettipalayam Taluk of Erode District has been completed at an estimated cost of Rs.0.25 Crore.

Construction of a Bridge across the Rajavoikkal at mile 2/3 in Anangur Village of Paramathivelur Taluk in Namakkal District has been completed at an estimated cost of Rs. 0.748 Crore.

Providing Pedestrian Foot path around the Seevalaperi Tank in Tenkasi Village and Taluk of Tenkasi District has been completed at an estimated cost of Rs. 0.70 Crore.

Construction of a Causeway Bridge across the Palar River from Maligaithoppu to Thuthipattu Village in Ambur Taluk of Vellore District has been completed at an estimated cost of Rs. 2.00 Crore.

Works in progress

Construction of a Bridge across the Vennanguzhi Odai Tank surplus course at L.S. 150 m in Vankudi Village of Udayarpalayam Taluk in Ariyalur District at an estimated cost of Rs. 0.57 Crore is in progress. 70% of the works have been completed.

Construction of Two Lane Bridge across the South Bank Canal, Krishnarayapuram Channel, New Kattalai High level Canal and North Bank Canal near Mayanur Village in Krishnarayapuram Taluk of Karur District at an estimated cost of Rs.6.86 Crore is in progress. 95% of the works have been completed.

Construction of 5 Nos. of Foot Bridges across the Kattalai High Level Canal and South Bank canal in Karur District at an estimated cost of Rs. 2.49 Crore is in progress. 85% of the works have been completed.

Construction of a Bridge across Mettur west Bank Canal at L.S. 11,390 m in Mettur Taluk of Salem District at an estimated cost of Rs. 0.90 Crore is in progress. 95% of the works have been completed.

4.9.New Buildings

Work Completed

Construction of Sub Division Office Building for office of the Assistant Executive Engineer, Quality Control Sub Division, Salem in the public Works Department Quarters Campus in Salem Taluk and District has been completed at an estimated cost of Rs. 0.32 Crore.

5.0.REHABILITATION OF IRRIGATION INFRASTRUCTURE AND SYSTEMS

5.1.Rehabilitation of Dams

5.1.1.Dam Rehabilitation and Improvement Project (DRIP)

The Dam Rehabilitation and Improvement project (DRIP) with World Bank loan assistance has been implemented in 69 WRD Dams and 20 TANGEDCO Dams in Tamil Nadu. The revised project cost is Rs.803.49 Crore. The project commenced in the year 2012 and completed in March 2021. The Project cost of Water Resources Department is of Rs. 543.49 Crore. Rehabilitation works have been completed in all the 69 dams.

Works in progress

Construction of Flood control room in 10 Dams at an estimated cost of Rs.1.04 Crore has been taken up and completed in 9 dams viz., Redhills and Cholavaram tanks in Tiruvallur District, Veeranam Tank in Cuddalore District, Chembarambakkam Tank in Kancheepuram District, Mettur dam in Salem District, Vaigai dam in Theni District, Sholayar and aliyar dams in Coimbatore District, Bhavanisagar dam in Erode District. Flood control room in Perunchani dam in Kanniyakumari District is under construction.

Construction of a new office building for Tamil Nadu State Project Management unit in Tharamani at an estimated cost of Rs.15.46 Crore is in Progress. 2 floors have been completed and 3 rd floor is under construction.

Supply, installation, testing, commissioning, training and maintenance of Real Time Structural Health Monitoring Instrument system in 17 DRIP Dams viz., Mettur, Sholayar, Bhavanisagar, Amaravathi, Manimuthar, Vaigai, Sothuparai, Pechiparai, Perunchani, Parambikulam, Aliyar, Krishnagiri, sathanur, Redhills, Chembarampakkam, Cholavaram and Veeranam at an estimated cost of Rs. 21.50 Crore are in progress.

Sedimentation Study of Dams / Reservoirs

During the year 2020-21, the Government have accorded sanction for conducting Sedimentation study in 9 dams viz., Amaravathi Reservoir in Tiruppur District, Varattar Reservoir in Dharmapuri District, Sathanur Reservoir in Thiruvannamalai District, Perunchani and Poigaiyar Reservoirs in Kanniyakumari District, Shanmuganadhi Reservoir in Theni District, Sathaiyar Reservoir in Madurai District, Uppar Bhavani (TANGEDCO) and Moyar Reservoir (TANGEDCO) in Nilgris District at an estimated cost of Rs. 0.45 Crore under DRIP and the works are in progress.

Dam Rehabilitation and Improvement Project-II(DRIP-II)

In line with ongoing Dam Rehabilitation and Improvement Project(DRIP) in Tamil Nadu, Dam Rehabilitation and Improvement Project-Phase II has been proposed for rehabilitating 37 dams (Rehabilitation and Improvement for 33 dams by WRD, Rehabilitation and improvement and catchment area treatment in 3 dams by WRD & Agriculture Engineering Department and catchment area treatment works alone in 1 dam by Agriculture Engineering Department) at an estimated cost of Rs. 610.26 Crore.

Works in Progress

Rehabilitation and Improvement to Sathanur dam in Thandarampattu Taluk of Tiruvannamalai District at an estimated cost of Rs.90.00 Crore is in Progress.

5.2.Other Schemes

Works completed

Replacement of the Corroded Radial Spillway Shutters of vent No.3 and supply and erection of dial gauge, Electromagnetic breaks and inspection platform to the Upper Nirar Weir in Valparai Taluk of Coimbatore District has been completed at an estimated cost of Rs. 3.70 Crore.

Rehabilitation of arch shutters and its host and other works in Shenbagathope Reservoir in Porur Taluk of Tiruvannamalai District has been completed at an estimated cost of Rs. 16.37 Crore.

Works in progress

Strengthening of Baby Dam by providing RCC backing and instrumentation for Main Dam and Baby Dam of Mullai Periyar Dam in Idukki District in Kerala at an estimated cost of Rs. 7.85 Crore is in progress.

Pressure Grouting for Main Dam below 152 feet level of Mullai Periyar Dam in Idukki District in Kerala (Phase II) at an estimated cost of Rs. 5.67 Crore is in progress.

Design, Fabrication and Erection of new Trash rack for replacement of old track rack at the tunnel entry and providing electrically operating facility to the existing shutters at L.S.4,000 feet in Parambikulam Dam in Palghat District in Kerala at an estimated cost of Rs. 5.00 Crore is in progress. 81% of the works have been completed.

Renewal of emergency shutter and repairs to the service shutter of Parambikulam Dam Tunnel Entry at Parambikulam in Chittur Taluk of Palghat District in Kerala at an estimated cost of Rs.1.50 Crore is in progress. 98% of the works have been completed.

Additional works in Thervoikandigai Reservoir in Thervoikandigai Village in Gummudipoondi Taluk of Tiruvallur District. (Construction of inlets, Drop cum Regulator etc.,) at an estimated cost of Rs.15.89 Crore is in progress. 80% of the works have been completed.

Renewal and Reconditioning of damaged components of Spillway Radial shutters of Kodaganar Dam in Alagapuri Village of Vendasandur Taluk in Dindigul District at an estimated cost of Rs.6.98 Crore is in progress, to benefit an ayacut of 9000 acre. 50% of the works have been completed.

Providing Dial Gauge and Hand Rail Arrangements in overhauling of Hoisting Arrangement and Roller Service and providing Abrasive Blast Cleaning, Application of High Performance Primary Coating and Coal Tar in the Spillway Shutter, Emergency Shutter River Sluice and Irrigation Sluice and Repair and Replacement of the Composite Shutters in LMC and RMC of the Marudhanadhi Dam in Athoor Taluk of Dindigul District at an estimated cost of Rs.2.01 Crore is in progress. 95% of the works have been completed.

Desilting of Vidur Dam and rehabilitation of its infrastructures in Tindivanam Taluk of Villupuram District at an estimated cost of Rs.42.44 Crore is in progress, to benefit an ayacut of 3200 acre. 2% of the works have been completed.

Renovation and Replacement of corroded Sand Vent Shutters in Vent Nos. 8 & 9 and Repairs to the Underdeck of the Operating Platform of the Sathyamoorthy Sagar Dam at Poondi Reservoir Project in Tiruvallur District at an estimated cost of Rs. 2.12 Crore is in progress. 80% of the works have been completed.

5.3.Rehabilitation of Anicuts

Work Completed

Renovation of the shutters and its equipments in the Pelandurai Anicut existing across Vellar River in Thittagudi Taluk of Cuddalore District has been completed at an estimated cost of Rs. 10.46 Crore, benefiting an ayacut of 11683 acre.

Rehabilitation of Valikandapuram Anicut in Vaikandapuram Village of Veppanthattai Taluk in Perambalur District has been completed at an estimated cost of Rs.0.796 Crore, benefiting an ayacut of 150 acres.

Rehabilitation of the Sellur Anicut across the Vettar River at L.S.102.170 km in Kandiur Village of Valangaiman Taluk in Thiruvallur District has been completed at an estimated cost of Rs.1.36 Crore, benefiting an ayacut of 6,325 acres.

Works in progress

Reconstruction of Kattuperiyakulam Anicut across Thirumanimuthar River in Natham Village and Taluk of Dindigul District at an estimated cost of Rs.3.35 Crore is in progress, to benefit an ayacut of 96.66 acre.

Reconstruction of Paalathukulam Anicut across Palar River in Kosukurichi Village of Natham Taluk of Dindigul District at an estimated cost of Rs.2.20 Crore is in progress, to benefit an ayacut of 47.95 acre. 95% of the works have been completed.

Reconstruction of the Anicut across the Chinnar River to feed the Vadakkalur Agraharam Tank in Kunnam Taluk of Perambalur District at an estimated cost of Rs. 5.939 Crore is in progress, to benefit an ayacut of 152.4 acre. 80% of the works have been completed.

Renovation of Rajavoikkal Anicut and Flood Protection wall in upstream and downstream of Rajavoikkal Anicut near Anaipillayarkoil in Bodinayakanur of Theni District at an estimated cost of Rs.4.91 Crore is in progress, to benefit an ayacut of 2,064 acre. 70% of the works have been completed.

Reconstruction of the existing breached Korattur Anicut across the Coovam River near Puduchatram Village in Poonamalle Taluk of Tiruvallur District at an estimated cost of Rs.32.45 Crore is in progress, to benefit an ayacut of 13,223 acre. 70% of the works have been completed.

Improvements to Thamaraipakkam Anicut by providing Upstream Cut off Wall and Energy Dissipation Arrangements in Uthukottai Taluk of Tiruvallur District at an estimated cost of Rs.3.89 Crore is in progress. 80% of the works have been completed.

Rehabilitation of Kumarampatti Anicut in Kumarampatti Village of Harur Taluk in Dharmapuri District at an estimated cost of Rs.4.49 Crore is in progress, to benefit an ayacut of 119 acre. 10% of the works have been completed.

5.4.Rehabilitation of Regulators

Work Completed

Rehabilitation of the Shutters and its Components in Tholudur Regulator across Vellar River in Thittagudi Taluk of Cuddalore District has been completed at an estimated cost of Rs.10.17 Crore, benefiting an ayacut of 24,061 acre.

Rehabilitation of Uthukadu Regulator in Vettar River at mile 53/3-4 in Uthukadu Village of Valangaiman Taluk in Thiruvallur District has been completed at an estimated cost of Rs.2.91 Crore, benefiting an ayacut of 5036 acres.

Rehabilitation of old corroded vertical shutters in Uppar Odai Regulator in Thoothukudi District has been completed at an estimated cost of Rs.7.36 Crore.

Rehabilitation of the Thiruthalaiyur big and small Tanks Road Culvert-cum-Regulator in Thiruthalaiyur Village of Musiri Taluk in Tiruchirappalli has been completed at an estimated cost of Rs.0.94 Crore, benefiting an ayacut of 649.71 acres.

Works in progress

Rehabilitation of Thirumalairajan – Kudamurutty Regulator across the Kudamurutty River at mile 47/6 in Rajagiri Village of Papanasam Taluk in Thanjavur District at an estimated cost of Rs.2.49 Crore is in progress, to benefit an ayacut of 88856 acre. 80% of the works have been completed.

5.5.Rehabilitation of Barrages

Works in progress

Rehabilitation of the component of the Kattalai Barrage across Cauvery River near Mayanur Village of Krishnarayapuram Taluk in Karur District at an estimated cost of Rs.185.26 Crore is in progress, Work Commenced.

5.6.Renovation of Tanks

Works Completed

Creation of additional water storage in four tanks viz. Cholavaram Tank, Porur Tank, Nemam Tank and Ayanambakkam tank and Restoration of additional storage space in Chembarambakkam Tank in Kancheepuram and Tiruvallur Districts , at an estimated cost of Rs. 130.00 Crore.

Repair, Renovation and Restoration work have been completed in Sethurajapuram Tank in Aruppukottai Taluk of Virudhunagar District, at an estimated cost of Rs.0.28 Crore, benefiting an ayacut of 101 acres.

Repair, Renovation and Restoration works have been completed in 5 tanks viz., Anandur, Thiruvananthi, Ettipalli, Mavathur and Thimmammacheruvu in Krishnagiri, Pochampalli and Uthangarai Taluks of Krishnagiri District, at an estimated cost of Rs.2.60 Crore, benefiting an ayacut of 641 acres.

Repair, Renovation and Restoration works have been completed in 15 tanks viz., Elagiri, Rajapalayam New, Amanithalav, Polayampalli, Dulichetty, Konepallam, Mahendramangalam, Vetharampatti, Sinthalpadi, Bikkanahalli, Goonampallam, Kottampallam, Sanjeevarayanpallam, Mathallapallam and Moolabellurpallam in Dharmapuri, Pennagaram, Palacode, Pappireddipatti and Harur Taluks of Dharmapuri District, at an estimated cost of Rs. 8.28 Crore, benefiting an ayacut of 3,813 acre.

Repair, Renovation and Restoration works have been completed in 15 tanks viz., Marichikatti, Athiendal, Thalaikal, Vilathur, Padayanendal, Sagankottai, Thenjiendal, Kakkanendal, Vanaganendal, Eluvur, Mavilangal, Nariyanendal, Velanseethai, Chinna Idhambadal and Arukudi in Ramanathapuram and Paramakudi Taluks of Ramanathapuram District, at an estimated cost of Rs. 4.71 Crore, benefiting an ayacut of 1,113 acre.

Repair, Renovation and Restoration works have been completed in 2 tanks viz., Kunnathur and Annur in Annur Taluk of Coimbatore District, at an estimated cost of Rs.0.56 Crore, benefiting an ayacut of 246 acre.

Repair, Renovation and Restoration work have been completed in 5 tanks viz., Andipalayam, Sevir, Pudupalayam, Kilakulam and Kannur in Tiruppur, Avinashi and Tiruppur South Taluks of Tiruppur, at an estimated cost of Rs.1.16 Crore, benefiting an ayacut of 370 acres.

Rehabilitation of the Percolation pond in Viralipatty Hamlet of Palayam Village in Gujiliyamparai Taluk in Dindigul District has been completed at an estimated cost of Rs.2.92 Crore, benefiting an ayacut of 370.66 acre.

Rehabilitation and Restoration of 9 Ex-Zamin Tanks(Pudukanmoi, Lakshmiendhal, Radhanodai, Mandakudi, Kosukudi, Karuvattanendhal, Soorikanendhal, Pappanendhal & Devaneri) in Paramakudi and Thiruvadanai Taluks of Ramanathapuram District has been completed at an estimated cost of Rs.2.15 Crore, benefiting an ayacut of 474.38 acre.

Rehabilitation and Improvements to 7 Nos. of Tanks and Construction of 7 Nos. of Artificial Recharge Well Structures in Sarabanga Sub Basin of Omalur Taluk in Salem District has been completed at an estimated cost of Rs.9.65 Crore, benefiting an ayacut of 1177.28 acre.

Restoration and Construction of Protection Wall in Erumaikulam Tank in Thamarakki Village of Sivagangai Taluk and District has been completed at an estimated cost of Rs.0.87 Crore, benefiting an ayacut of 235.89 acre.

Desilting the Bed of Vaduvur tank in Vaduvur Agraharam Village of Needamangalam Taluk and providing Feeder Channel to Citheri tank in Moovarkottai Village of Mannargudi Taluk in Thiruvavur District has been completed at an estimated cost of Rs.3.42 Crore, benefiting an ayacut of 1,672 acre.

Rehabilitation of Parakkiramapandian Tank in Gangaikondan Village in Tirunelveli District has been completed at an estimated cost of Rs.0.42 Crore, benefiting an ayacut of 729.67 acre.

Restoration of the Mudikondan Tank in Kumarapatti Village in Sivagangai Taluk and District has been completed at an estimated cost of Rs.0.65 Crore, benefiting an ayacut of 95.43 acre.

Works in progress

Repair, Renovation and Restoration works in 24 Tanks viz., Kottur, Keelakavanavayal, Vasanthani, Surakudi, Kulathur, Sengulam, Chinna Kambani, Varivayal, Sirumaruthur, Matti, Karadi, Nagamangalam, Nedumani, Panankattanvayal, Kannikudi, Udayanvayal, Thuttakudi, Kachakudi, Anaiyadi, Sathanankudi, Manikarambai, Kodakudi, Poodhankudi, Kanakkanvayal in Devakottai, Karaikudi and Thiruppathur Taluks of Sivagangai District at an estimated cost of Rs.10.29 crore is in progress.

Construction of Checkdam across Gundar River near Kakkudi Village in Kamuthi Taluk of Ramanathapuram District has been completed at an estimated cost of Rs.3.80 Crore, benefiting an ayacut of 709.47 acre.

Construction of Checkdam across Gundar River near Sayalkudi Village in Kadaladi Taluk of Ramanathapuram District has been completed at an estimated cost of Rs.3.18 Crore, benefiting an ayacut of 490.22 acre.

Construction of Checkdam across Swetha Nadhi in Laddhuvadi Village in Gangavalli Taluk of Salem District has been completed at an estimated cost of Rs.2.43 Crore, benefiting an ayacut of 43.88 acre.

Construction of Checkdam across Kallar River in Panaimadal Village of Pethanaickenpalayam Taluk in Salem District has been completed at an estimated cost of Rs.1.37 Crore, benefiting an ayacut of 503 acre.

Construction of Grade Wall across Arasalar River at mile 52/3-4 in Sundaraperumalkovil Village in Kumbakonam Taluk of Thanjavur District has been completed at an estimated cost of Rs.5.20 Crore, benefiting an ayacut of 1,185 acre.

Construction of Checkdam across Ayyanapuram Vari in S.F. No.28/88 in Vendayampatti Village of Budalur Taluk in Thanjavur District has been completed at an estimated cost of Rs.2.61 Crore, benefiting an ayacut of 629 acre.

Construction of 2 Checkdams across Pattuvanachi Drain at L.S 6.500 km and 11.000 km in Vellur and Thondrampattu Village in Orathanadu Taluk in Thanjavur District has been completed at an estimated cost of Rs.0.93 Crore, benefiting an ayacut of 335 acre.

Construction of Grade Wall across Odambogiyar River at mile 74/4 in Nadupadugai Village in Kudavasal Taluk of Thiruvavur District has been completed at an estimated cost of Rs.2.47 Crore, benefiting an ayacut of 21,882 acre.

Construction of Grade Wall across Keerthimanar River at mile 72/7 to feed Serugudi channel in Serugudi Village of Kudavasal Taluk in Thiruvavur District has been completed at an estimated cost of Rs.1.49 Crore, benefiting an ayacut of 322 acre.

Construction of 2 nos. of Checkdams across the arms of Vembar River near Vembar Village and Periyasamipuram Village in Vilathikulam Taluk of Thoothukudi District has been completed at an estimated cost of Rs.17.98 Crore, benefiting an ayacut of 573 acre.

Construction of Checkdam across Karumeniyar River in Pallakurichi Village of Sathankulam Taluk in Thoothukudi District has been completed at an estimated cost of Rs. 2.84 Crore, benefiting an ayacut of 195 acre.

Construction of Bed Dam across Kottamalaiyar River, offtake at Achanthikulam Channel, in Puliyankudi Village in Kadayannallur Taluk of Tenkasi District has been completed at an estimated cost of Rs. 2.16 Crore, benefiting an ayacut of 299 acre.

Construction of Checkdam across Cheyyar River near Thellur Village in Arani Taluk of Tiruvannamalai District has been completed at an estimated cost of Rs.5.64 Crore, benefiting an ayacut of 179 acre.

Construction of Checkdam across Cheyyar near Kottavur of Paramanandal Village in Chengam Taluk in Tiruvannamalai District has been completed at an estimated cost of Rs.2.00 Crore, benefiting an ayacut of 71 acre.

Construction of Checkdam across Agaram River near Karungalli Village in Anicut Taluk in Vellore District has been completed at an estimated cost of Rs.5.00 Crore, benefiting an ayacut of 428 acre.

Construction of Checkdam across Pambar River near Chinnampatti Village in Tirupathur Taluk and District has been completed at an estimated cost of Rs.2.48 Crore, benefiting an ayacut of 62 acre.

Construction of Checkdam across Gunderipallam Stream in SF.No.241/1 of Kongarpalayam Village in Gobichettipalayam Taluk of Erode District has been completed at an estimated cost of Rs.3.67 Crore, benefiting an ayacut of 44.51 acre.

Construction of Checkdam across Gunderipallam Stream in SF.No.10 of Kongarpalayam Village in Gobichettipalayam Taluk of Erode District has been completed at an estimated cost of Rs.2.18 Crore, benefiting an ayacut of 28.32 acre.

Construction of Checkdam across Perumpallam Stream in SF.No.64 of Periyakodiveri Village in Gobichettipalayam Taluk of Erode District has been completed at an estimated cost of Rs.1.90 Crore, benefiting an ayacut of 14.16 acre.

Construction of Checkdam across Nagalar Odai near Shanmugasundrapuram Village of Andipatti Taluk in Theni District has been completed at an estimated cost of Rs.2.99 Crore, benefiting an ayacut of 465 acre.

Construction of Checkdam across Kottakudi River near Madurai Veeran Kovil Anaikaripatti Village of Bodinayakkanur Taluk in Theni District has been completed at an estimated cost of Rs.1.97 Crore, benefiting an ayacut of 580 acre.

Construction of Checkdam across Sudha Gangai Odai near Manickapuram Village of Bodinayakkanur Taluk in Theni District has been completed at an estimated cost of Rs.1.03 Crore, benefiting an ayacut of 200 acre.

Construction of Checkdam across Chinnaru River near Bodi Village in S.F.No.1218 in Bodinayakkanur Taluk of Theni District has been completed at an estimated cost of Rs.2.07 Crore, benefiting an ayacut of 600 acre.

Construction of Checkdam across the Pennaiyar River near Viswanathapuram Village in Panruti Taluk in Cuddalore District has been completed at an estimated cost of Rs.28.70 Crore, benefiting an ayacut of 2,206 acre.

Construction of Checkdam across Nanganjiyar River near Thangachiammapatti Village of Oddanchatram Taluk in Dindigul District has been completed at an estimated cost of Rs.1.55 Crore, benefiting an ayacut of 304.98 acre.

Construction of Checkdam across Thirumanimuthar River in Down Stream side of Kattuperiyakulam Anicut near Punnappatti Village in Natham Taluk of Dindigul District has been completed at an estimated cost of Rs.0.97 Crore, benefiting an ayacut of 123.55 acre.

Construction of Bed dam across Manjalar River at L.S.109.530 km to feed Panaiyadi Channel in Thiruvaduthurai Village of Kuthalam Taluk in Nagapatinam District has been completed at an estimated cost of Rs.0.88 Crore, benefiting an ayacut of 311 acres.

Construction of a Checkdam across the Varattar River in S.F.No.31 of Podangam Village in Namakkal Taluk and District has been completed at an estimated cost of Rs.1.76 Crore, benefiting an ayacut of 54 acre.

Construction of Checkdam in S.F.No.216 across Odai in Kotamedu Village of Omalur Taluk in Salem District has been completed at an estimated cost of Rs.1.169 Crore, benefiting an ayacut of 156.24 acre.

Construction of Checkdam across Vannanvari at L.S. 2.100 km in Thoppuviduthi Village in orathanadu Taluk in Thanjavur District has been completed at an estimated cost of Rs.0.44 Crore, benefiting an ayacut of 280 acre.

Construction of Checkdam across Nambiyar River at Kannanallur Village in Radhapuram Taluk of Tirunelveli District has been completed at an estimated cost of Rs.4.26 Crore, benefiting an ayacut of 404 acre.

Construction of a Checkdam across the Vallampatti Odai in Sankarapandiyapuram Village of Vembakottai Taluk in Virudhunagar District has been completed at an estimated cost of Rs.1.25 Crore, benefiting an ayacut of 110.80 acre.

Construction of a Checkdam across Uppupallam Odai in S.F.No.68 of Vagathozhuvu Village in Udumalpet Taluk of Tiruppur District has been completed at an estimated cost of Rs.1.10 Crore, benefiting an ayacut of 23.93 acre.

Works in progress

Construction of Checkdam across Manjalar River near Ucchapatti in Kunnavarayankottai Village of Nilakottai Taluk in Dindigul District at an estimated cost of Rs.2.47 Crore is in progress, to benefit an ayacut of 264.39 acre. 20% of the works have been completed.

Construction of Checkdam across Manjalar River at L.S. 14000 m in Kanavoipatti Village of Nilakottai Taluk in Dindigul District at an estimated cost of Rs.2.11 Crore is in progress, to benefit an ayacut of 215 acre. 10% of the works have been completed.

Construction of a Checkdam across Kuzhithuraiyar near Erayumanthurai in Kanyakumari District at an estimated cost of Rs.15.37 Crore is in progress. 60% of the works have been completed.

Construction of Checkdam across Kosasthalaiyar River in Pattaraiperumbudur Village to channelise water to Veeraraghavaperumal Temple Tank in Tiruvallur Taluk and District at an estimated cost of Rs.25.00 Crore is in progress. 93% of the works have been completed.

Construction of a new Checkdam across Tamiraparani River near Agaramkudiyiruppu in Vallanadu Village of Srivaikundam Taluk of Thoothukudi District at an estimated cost of Rs.12.29 Crore to benefit an ayacut of 2,347 acre is in progress. 90% of the works have been completed.

Construction of Series of New Checkdams (Cascade system) across the Sulakkal River for harnessing the flood water and for augmentation of the Ground water recharging in Pollachi Taluk of Coimbatore District at an estimated cost of Rs.9.25 Crore is in progress, to benefit an ayacut of 4,174 acre. 25% of the works have been completed.

Construction of Series of Checkdams (Cascade system) across the Korayaru River for harnessing the flood water and for augmentation of the Ground water recharging in Pollachi Taluk of Coimbatore District at an estimated cost of Rs.8.66 Crore is in progress, to benefit an ayacut of 3,942 acre. 5% of the works have been completed.

Construction of two Checkdams across the Achipatti stream (upstream side) for harnessing the flood water and for augmentation of the Ground water recharging in Pollachi Taluk of Coimbatore District at an estimated cost of Rs.2.47 Crore is in progress, to benefit an ayacut of 754 acre. 45% of the works have been completed.

Construction of Checkdam (Cascade system type) across the Kothavady stream for harnessing the flood water and for augmentation of the Ground water recharging in Pollachi Taluk of Coimbatore District at an estimated cost of Rs.1.47 Crore is in progress, to benefit an ayacut of 652 acre. 70% of the works have been completed.

Construction of a Checkdam across the Solasulahalli River in S.F.No.545 of Puravipalayam Village in Pollachi Taluk of Coimbatore District at an estimated cost of Rs.1.38 Crore is in progress, to benefit an ayacut of 469.44 acre. 20% of the works have been completed.

Construction of Checkdam across the Kottamalaiyar River in Chinthamani Village of Kadayanallur Taluk in Tenkasi District at an estimated cost of Rs.1.94 Crore is in progress, to benefit an ayacut of 139.7 acre.

Construction of Checkdam across Manjalar River near Genguvarpatti Village (Vinayagar temple) of Periyakulam Taluk in Theni District at an estimated cost of Rs.2.36 Crore is in progress, to benefit an ayacut of 234.75 acre.

Construction of a Checkdam across the Kanar near Vannandhurai Village in Ambur Taluk of Thirupathur District at an estimated cost of Rs.2.50 Crore is in progress, to benefit an ayacut of 105 acre. 25% of the works have been completed.

Construction of Checkdam across Pambar River near Irunapattu Village in Thirupathur Taluk and District at an estimated cost of Rs.1.91 Crore is in progress, to benefit an ayacut of 392 acre. 20% of the works have been completed.

Construction of Checkdam across Nagari River near Illuppur Village in Thiruthani Taluk of Tiruvallur District at an estimated cost of Rs.17.86 Crore is in progress. 10% of the works have been completed.

Construction of Checkdam across Deviyar (Vaippar) near Melanmarainadu in Appayanayakanpatti Village in Vembakottai Taluk of Virudhunagar District at an estimated cost of Rs.3.80 Crore is in progress, to benefit an ayacut of 307.95 acre. 60% of the works have been completed.

Construction of a Checkdam across Kiliyar River near Sempooni (Pasuvanganai) Village in Maduranthagam Taluk of Chengalpattu District at an estimated cost of Rs.5.56 Crore is in progress, to benefit an ayacut of 220 acre. 65% of the works have been completed.

Construction of Checkdam across the Nanganjiyar River in Jawadhupatti Village of Oddanchatram Taluk in Dindigul District at an estimated cost of Rs.1.94 Crore is in progress, to benefit an ayacut of 314.52 acre. 95% of the works have been completed.

Construction of Cascade of Checkdams from Bhavanisagar Dam to Kalingarayan Anicut of Erode District- Checkdam across Bhavani River in S.F.No. 392 of Aalathukombai Village in Sathyamangalam Taluk of Erode District at an estimated cost of Rs.21.13 Crore is in progress, to benefit an ayacut of 234 acre. 45% of the works have been completed.

Construction of Cascade of Checkdams from Bhavanisagar Dam to Kalingarayan Anicut of Erode District- Checkdam across Bhavani River in S.F.No. 557 of Vaniputhur B Village at Kasipalayam in Gobichettipalayam Taluk of Erode District at an estimated cost of Rs.18.94 Crore is in progress, to benefit an ayacut of 223 acre. 45% of the works have been completed.

Construction of Cascade of Checkdams from Bhavanisagar Dam to Kalingarayan Anicut of Erode District- Checkdam across Bhavani River in S.F.No. 111 of Kupbandampalayam Village in Anthiyur Taluk of Erode District at an estimated cost of Rs.18.61 Crore is in progress, to benefit an ayacut of 220 acre. 10% of the works have been completed.

Construction of Cascade of Checkdams from Bhavanisagar Dam to Kalingarayan Anicut of Erode District- Checkdam across Bhavani River in S.F.No. 322 of Arakkankottaikarai Village in Gobichettipalayam Taluk of Erode District at an estimated cost of Rs.15.29 Crore is in progress, to benefit an ayacut of 226 acre. 45% of the works have been completed.

Construction of Checkdam across the Bhavani River in S.F.No. 962/1 of Jambai "A" Village in Bhavani Taluk of Erode District at an estimated cost of Rs.13.26 Crore is in progress, to benefit an ayacut of 216.83 acre.

Construction of Cascade of Checkdam across Jungle stream in S.F.No.198 of Kupbandampalayam Village in Anthiyur Taluk of Erode District at an estimated cost of Rs.2.71 Crore is in progress, to benefit an ayacut of 61 acre. 15% of the works have been completed.

Construction of Cascade of Checkdam across Kombupallam in S.F.No.12 of Kottuveerampalayam Village in Sathyamanagalam Taluk of Erode District at an estimated cost of Rs.1.57 Crore is in progress, to benefit an ayacut of 52 acre. 10% of the works have been completed.

Construction of Cascade of Checkdam across Narayana Kombupallam Odai in S.F.No.317 of Athani Village in Anthiyur Taluk of Erode District at an estimated cost of Rs.1.57 Crore is in progress, to benefit an ayacut of 57 acre. 98% of the works have been completed.

Construction of a Checkdam across the Agniyar River in Rajamadam Village of Pattukottai Taluk in Thanjavur District at an estimated cost of Rs.18.00 Crore is in progress, to benefit an ayacut of 573.10 acre. 5% of the works have been completed.

Construction of a Checkdam across the Thamiraparani River between Alwarthoppu and Alwarthirunagari Villages of Srivaikundam Taluk in Thoothukudi District at an estimated cost of Rs.25.14 Crore is in progress, to benefit an ayacut of 1,522 acre.

Construction of a Checkdam across the Palar River in Thethur Village of Marungapuri Taluk in Tiruchirappalli District at an estimated cost of Rs.4.060 Crore is in progress, to benefit an ayacut of 511.72 acre. 35% of the works have been completed.

Construction of a Checkdam across Arjuna Nadhi (near Sri Sarnai Karuppasamy koil) in S.Ammapatti & Vadugapatti Villages of Watrap Taluk in Virudhunagar District at an estimated cost of Rs.2.59 Crore is in progress. 90% of the works have been completed.

Construction of Tail end Checkdams at confluence points of Thamirabarani River with sea in Punnakayal and Sendamangalam Villages of Thiruchendur Taluk and Mukkani Village of Srivaikundam Taluk in Thoothukudi District at an estimated cost of Rs.46.14 Crore is in progress, to benefit an ayacut of 2,977.56 acre.

Construction of a Bed dam cum Flood Regulator across the Madhurapakkam Odai in Ottiambakkam Village of Tambaram Taluk in Chengalpattu District at an estimated cost of Rs.3.42 Crore. 65% of the works have been completed.

Construction of a Grade Wall across the Kallar River near Arigalpadi Village in Arakkonam Taluk of Ranipet District at an estimated cost of Rs.5.67 Crore is in progress, to benefit an ayacut of 341 acre. 40% of the works have been completed.

Construction of a Checkdam across the Palar River near Ullavur (Palayaseevaram) Village in Walajabad Taluk of Kancheepuram District at an estimated cost of Rs.42.16 Crore is in progress, to benefit an ayacut of 3,688 acre. 97% of the works have been completed.

Construction of a Checkdam across the Therkkar River in Sathankudi Village of Thirumangalam Taluk in Madurai District at an estimated cost of Rs.2.55 Crore is in progress, to recharge the Kakkulam Firka which is classified as critical ground water zone. 25% of the works have been completed.

Construction of a Checkdam across the Kallar River in Pandagapadi Village of Veppanthattai Taluk in Perambalur District at an estimated cost of Rs.6.577 Crore is in progress, to benefit an ayacut of 712.29 acre. 80% of the works have been completed.

Construction of a Checkdam across the Kallar River in V.Kalathur Village in Veppanthattai Taluk in Perambalur District at an estimated cost of Rs.6.210 Crore is in progress, to benefit an ayacut of 591.00 acre. 70% of the works have been completed.

Construction of a Checkdam across the Nasuviniyar Drain at L.S. 11.70 km in Ponnaravayankottai Village of Pattukottai Taluk in Thanjavur District at an estimated cost of Rs.3.00 Crore is in progress to recharge Ground water. 75% of the works have been completed.

Construction of a Checkdam across the Vaigai River in Kadamalaikundu Village of Andipatti Taluk in Theni District at an estimated cost of Rs.2.08 Crore is in progress, to benefit an ayacut of 315.4 acre. 5% of the works have been completed.

Construction of a Checkdam across the Ayyar River in Perur Village of Musiri Taluk in Tiruchirappalli District at an estimated cost of Rs.3.652 Crore is in progress to recharge of 93 No. of wells. 50% of the works have been completed.

Construction of a Bed dam across the Pennaiyar River near Agaram- Maruderi Bridge in Maruderi Village of Pochampalli Taluk in Krishnagiri District at an estimated cost of Rs.10.90 Crore is in progress, to benefit an ayacut of 339.71 acre. 85% of the works have been completed.

Construction of Bed dam across the Vaigai River to feed Madakulam Tanks for recharging the ground water in Ponmeni, Ellis Nagar, Palanganatham, S.S. Colony, Madakulam and T.V.S. Nagar in Madurai Corporation Area at an estimated cost of Rs. 17.40 Crore is in progress, to efficiently utilize the Vaigai river water during low flow. 90% of the works have been completed.

Repair, Renovation and Restoration works in 7 tanks viz., Thanichiyam, C. Vagaikulam, Karumal, Theriruveli Big, Mudhukulathur, Vilangalathur and Ervadi in Kadaladi and Mudhukulathur Taluks of Ramanathapuram District at an estimated cost of Rs. 7.30 Crore is taken up for implementation.

Repair, Renovation and Restoration works in 10 tanks viz., Chatrampuliyankulam, Kovilankulam, Ulakkudy big & small, Panaikudi, P.Pudupatti, Panikurippu, Kambikudi, Aviyyur West, Puliyooran and Kilavanery in Kariapatti, Aruppukottai and Thiruchuli Taluks of Virudhunagar District at an estimated cost of Rs.11.90 Crore is in progress.

Reclaiming and Rejuvenating the Kolavoy Lake in Chengalpattu Taluk and District for augmenting drinking water supply to the extended Chennai Urban and Chengalpattu areas at an estimated cost of Rs.60.00 Crore is in progress. 10% of the works have been completed.

Eco Restoration and Protection of Peerkankaranai Tank in Tambaram Taluk of Chengalpattu District at an estimated cost of Rs.9.81 Crore is in progress, 65% of the works have been completed.

Repair and Replacement of Roller arrangement, bottom and sides seal arrangement, modification of docking plane in 19 vents and performance primary coating and Coal tar epoxy in 19 vents and 5 vents in Chembarambakkam Tank in Sriperumbudur Taluk (now Kundrathur Taluk) of Kancheepuram District at an estimated cost of Rs.2.24 Crore is in progress. 65% of the works have been completed.

Rehabilitation and Improvements to 79 Benefiting Tanks and Ponds under the scheme of Providing Surplus water of the Mettur Reservoir by Lift Irrigation in Salem District at an estimated cost of Rs. 42.1 Crore is in progress. 45% of the works have been completed.

Reclaiming Kazhuveli tank for storage of fresh water and sea water intrusion control measures and recharge shaft Well / Shafts in Marakanam Block of Villupuram District at an estimated cost of Rs. 161.00 Crore is in progress. 12% of the works have been completed.

Rehabilitation of Vaiyapuri Tank and Sirunaikankulam, formation of foreshore bund with fencing arrangements and removal of encroachments around the Sri Dhandayuthapani Temple at Palani, Dindigul District at an estimated cost of Rs.4.72 Crore is in progress, to benefit an ayacut of 119.7 acre. 40% of the works have been completed.

Rehabilitation of the Vettakudi Tank in Karaiyavetti Village in Ariyalur Taluk and District at an estimated cost of Rs.4.93 Crore is in progress, to benefit an ayacut of 3,385.00 acre. 80% of the works have been completed.

Rehabilitation of the Ingation Sluices from mile 1/2 to 20/1 in Arakkankottai Channel and its Branches in Gobichettipalayam Taluk of Erode District at an estimated cost of Rs.3.75 Crore is in progress, to benefit an ayacut of 6050 acre. 51% of the works have been completed.

Rehabilitation of the Surplus Course and Sluice of Thovatai Periakulam at Thovalal Village in Thovalal Taluk of Kanyakumari District at an estimated cost of Rs 0.84 Crore is in progress, to benefit an ayacut of 62.02 acre 70% of the works have been completed.

Desilting of the Minnathur Periyakulam Surplus Course and Providing Retaining Walls from Minnathur Periyakulam in Minnathur Village of Kulathur Taluk to Gandarvakottai Village and Taluk in Pudukkottai District at an estimated cost of Rs. 1. 128 Crore is in progress, to benefit an ayacut of 206.26 acre. 25% of the works have been completed.

Modernisation of the R.S.Mangalam Big Tank in R.S. Mangalam Taluk of Ramanathapuram District at an estimated cost of Rs. 18.82 Crore is in progress, to benefit an ayacut of 12141.68 acre. 35% of the works have been completed

Rehabilitation of the Reddiapatti Tank, Karikali Tank and Uthandampatti Tank in Thuraiyur and Musiri Taluks in Tiruchirappalli District at an estimated cost of Rs. 2.45 Crore is in progress, to benefit an ayacut of 419 70 acre 85% of the works have been completed.

5.7. Rehabilitation of Canals / Supply Channels

Work Completed

Modification of the Manual Operating System with Geared Motors and Blast Cleaning. Application of High Performance Anticorrosive Primary Coating and Coal Tar Epoxy in the Peranai Regulator, Periyar Main Canal and Link canal at Anaipatty in Nilakottai Taluk of Dindigul District have been completed at an estimated cost of Rs.3.84 Crore.

Rehabilitation of the Mettur West Bank Canal from L.S. 19,685 m to 43,200 m in Anthiyur and Bhavani Taluks of Erode District has been completed at an estimated cost of Rs. 63.93 Crore to benefit an ayacut of 16,128 acre.

Rehabilitation of Puthiragoundanpalayam Tank Supply channel from L.S. 0 m to 980 m in Puthiragoundanpalayam Village in Pethanaickenpalayam Taluk of Salem District has been completed at an estimated cost of Rs.3.44 Crore, benefiting an ayacut of 601.15 acre.

Modernizing the Head Sluice and Bridge at mile 0/0 in Mettur West Bank Canal of Mettur Taluk in Salem District has been completed at an estimated cost of Rs. 0.980 Crore

Permanent restoration of the breached portions of the Grand Anicut Canal at L.S. 16.70 km and 26.40 km, Kalyana Odai Branch Canal at L.S. 11.30 km and strengthening its vulnerable portions in Budalur, Thanjavur and Orathanadu Taluks of Thanjavur District have been completed at an estimated cost of Rs. 1.70 Crore, benefiting an ayacut of 2,27,474 acre.

Modernisation of Vadavar Extension Channel from L.S. 0.00 km to 4.10 km in Mannargudi Taluk of Thiruvavur District has been completed at an estimated cost of Rs.9.74 Crore, benefiting an ayacut of 21,170 acre.

Removal of Seemai Karuvel (Prosopis Juliflora) in a stretch of 10.00 km in Tambiraparani River from Vilagam to Naranammalpuram Bridge in Tirunelveli Corporation Limit has been completed at an estimated cost of Rs. 1.40 Crore.

Rehabilitation of Palladam Extension Canal from L.S. 0.000 km to 2.000 km in Palladam Taluk of Tiruppur District has been completed at an estimated cost of Rs. 1.78 Crore, benefiting an ayacut of 13,231 acre.

Krishna Water Supply Project Special Repairs to Kandaleru Poondi Canal has been completed at an estimated cost of Rs. 0.88 Crore.

Krishna Water Supply Project - Special Repairs to the Kandaleru Poondi Canal for the year 2020-2021 has been completed at an estimated cost of Rs. 0.45 Crore.

Rehabilitation of Left out reaches in Udumalpet Main Canal from L.S. 16.600 km to 23.170 km and its Distributories in Udumalpet Taluk of Tiruppur District has been completed at an estimated cost of Rs. 2.96 Crore.

Works in progress

Construction of a Protection wall on the Left bank of the Vellachi Odai in Mangalam Village in Madurai East Taluk of Madurai District at an estimated cost of Rs. 0.66 Crore is in progress, to benefit an ayacut of 112 acre. 5% of the works have been completed.

Rehabilitation and Improvements to the Sarabanga Nadhi from L.S.42.80 km to 43.30 km & L.S. 43.30 km to 43.80 km in Edappadi Town in Edappadi Taluk of Salem District at an estimated cost Rs.8.90 Crore is in progress, to benefit an ayacut of 440 acre. 70% of the works have been completed.

Improvements to the Nandhan Channel from L.S.12.400 km to 37.880 km in Gingee, Vikkaravandi and Villupuram Taluks of Villupuram District at an estimated cost of Rs.26.57 Crore is in progress, to benefit an ayacut of 5,255 acre. 20% of the works have been completed.

Rehabilitation of Parambikulam Main Canal from L.S. 36.000 km to 39.500 km in Pollachi Taluk of Coimbatore District at an estimated cost of Rs.2.37 Crore is in progress, to benefit an ayacut of 2,84,000 acre. 80% of the works have been completed.

Renovation of the Malattar Channel from from L.S. 24000 m to 40000 m in Ulundurpet and Panruti Taluks of Villupuram and Cuddalore Districts at an estimated cost of Rs. 15.05 Crore is in progress, to benefit an ayacut of 20,000 acre. 70% of the works have been completed.

Rehabilitation of Kugalur Distributary from mile 0/0 to tail end of Lower Bhavani Project Main Canal in Gobichettipalayam and Bhavani Taluks of Erode District at an estimated cost of Rs. 5.80 Crore is in progress, to benefit an ayacut of 9,752 acre. 65% of the works have been completed.

Rehabilitation of Ayanpappakudi Tank Channel in Avaniyapuram Village in Madurai South Taluk of Madurai District at an estimated cost of Rs.7. 14 Crore is in progress, to benefit an ayacut of 2,391 acre, 60% of the works have been completed.

Rehabilitation of the Thirumangalam Main Canal Branch-1 in Usilampatti Taluk of Madurai District at an estimated cost of Rs.6.83 Crore is in progress, to benefit an ayacut of 19,440 acre. 90% of the works have been completed.

Rehabilitation of the P.T. Rajan Channel and Balakrishnapuram Branch Channel in Theni District at an estimated cost of Rs. 19.71 Crore is in progress, to benefit an ayacut of 8,866 acre. 90% of the works have been completed.

Modernisation of Pudu Anicut Channel in Genguvarpatti Village of Periyakulam Taluk in Theni District at an estimated cost of Rs.10.52Crore is in progress, to benefit an ayacut 293 acre. 60% of the work have been completed.

Modernisation of the Kesavapuram Tank Supply Channel (L.S. 1,900 m to 2,820 m) in Narayanathevanpatti Village of Uthamapalayam Taluk in Theni District at an estimated cost of Rs. 4.93 Crore is in progress, to benefit an ayacut of 104.00 acre. 75% of the works have been completed.

Strengthening the slipped and damaged portions at various places of Kandaleru-Poondi canal between L.S. 3.88 km to 10.00 km of Krishna Water Supply Project in Uthukottai Taluk of Tiruvallur District at an estimated cost of Rs.24.79 Crore is in progress. 45% of the works have been completed.

Rehabilitation of the Thirukannamangai Channel including repairs to all Cross Masonries, Bank Protection and Strengthening the Bunds of the System in Thiruvallur Taluk and District at an estimated cost of Rs.2.802 Crore is in progress. 60% of the works have been completed.

Rehabilitation and improvements to the Nandan Channel from L.S. 0 km to 12.40 km in Thiruvannamalai and Kelpennathur Taluks in Thiruvannamalai District at an estimated cost of Rs.7.26 Crore is in progress, to benefit an ayacut of 1,835 acre. 20% of the works have been completed.

Rehabilitation and Improvements to Chinnayempettai Anicut Supply Channel, balance portion of Thanipadi Anicut Supply Channel and the Mud Kondam across Pambar River in Thanipadi Village in Thandarampattu Taluk of Thiruvannamalai District at an estimated cost of Rs.4.95 Crore is in progress, to benefit an ayacut of 744 acre. 15% of the works have been completed.

Renovation of the Malattar channel from L.S. 0 m to 24,000 m from Tirukoilur Anicut in Tirukoilur and Ulundurpet Taluks of Villupuram District at an estimated cost of Rs. 7.53 Crore is in progress, to benefit an ayacut of 4,909 acre, 45% of the works have been completed.

5.8. Check Dam / Bed Dam

Work Completed

Rehabilitation of the Mathur Bed Dam across the Vettar River at L.S. 5.630 km in Amaravathy Village of Valangaiman Taluk in Thiruvavur District has been completed at an estimated cost of Rs. 1.35 Crore, benefiting an ayacut of 625 acre.

Works in progress

Rehabilitation and Improvement works of the flood damaged portion of the Checkdam across Kosasthalaiyar River near Thirukandalam Village in Uthukottai Taluk in Thiruvallur District at an estimated cost of Rs. 18.18 Crore is in progress. 97% of the works have been completed.

5.9. Rehabilitation of Roads / Bridges / Culverts

Work Completed

Reconstruction of Culvert at L.S. 14.085 km, 14.350 km, 14.540 km and 16.106 km of Vadachittur branch canal in Kinathukadavu Taluk of Coimbatore District has been completed at an estimated cost of Rs.1.48 Crore, benefiting an ayacut of 10134 acre.

Reconstruction of Bridge at mile 16.0.00 of Kalingarayan Channel in Erode District has been completed at an estimated cost of Rs. 0.99 Crore.

Reconstruction of Bridge at L.S. 13.000 km existing across the Kodagan Channel in Suthamalli Village in Tirunelveli Taluk and District has been completed at an estimated cost of Rs.0.54 Crore.

Reconstruction of Bridge at L.S. 22.230 km of existing across Kannadian Channel in Cheranmahadevi Village and Taluk of Tirunelveli District has been completed at an estimated cost of Rs. 0.43 Crore.

Works in progress

Rehabilitation and Improvements to the flood damaged approach road leading to the Sholayar Dam Tunnel exit near Manampalli of Valparai in Coimbatore District at an estimated cost of Rs.6.20 Crore is in progress. 60% of the works have been completed.

Permanent Restoration of damaged roads and Retaining wall L.S. due to Flood on the left and Right sides of River Bridge at Parambikulam Dam of Parambikulam Aliyar Project in Chittur Taluk of Palghat District in Kerala at an estimated cost of Rs.2.46 Crore is in progress. 98% of the works have been completed.

5.10. Rehabilitation of Buildings / Parks

Works Completed

Tourism development works in Andiyappanur Odai Reservoir area in Tirupattur District has been completed at an estimated cost of Rs.1.30 Crore.

Works in progress

Providing Landscaping arrangements, sitting benches, Fountain pathway, Children Play equipments, Gazebo, Statue and other works in Andiyappanur Odai Reservoir in Tirupattur District at an estimated cost of Rs.4.67 Crore is in progress. 85% of the works have been completed.

Renovation of Dormitory Block - II at Thekkady in Idukki District in Kerala at an estimated cost of Rs. 0.50 Crore is in progress.

Rehabilitation of Park in Holdsworth anicut and construction of annexe building in Kadayakudi Village in Thirumayam Taluk in Pudukkottai District at an estimated cost of Rs.0.86 Crore is in progress. 35% of the works have been completed.

5.11. Standardisation / Restoration of Rivers / River Banks

Works Completed

Standardisation of the Goundanathi River from Arasapatti Anicut to Kurayur Anicut in Thirumangalam Taluk of Madurai District has been completed at an estimated cost of Rs.3.26 Crore, benefiting ayacut of 2148 acre.

Rehabilitation of Aswamanadhi River from L.S. 0 m to 12,500 m in Usilampatti Taluk of Madurai District has been completed at an estimated cost of Rs.0.27 Crore, benefiting an ayacut of 12,56 acre.

Temporary restoration of the Flood affected portion in the right bank of the River Coleroon from L.S. 162.600 km to 162.900 km in Alakkudi Village of Sirkazhi Taluk in Mayiladuthurai District (Nagapattinam) has been completed at an estimated cost of Rs. 6.04 Crore.

Restoration of the Uppar River and Rehabilitation of the Cross Masonry Structures across the Uppar River in Sivagangal District has been completed at an estimated cost of Rs. 14.50 Crore, benefiting an ayacut of 22,425 acre.

Works in progress

Rehabilitation with River Training and River Bank Protection of the River Nallar within the urban limits of Avinashi Town in Tiruppur District at an estimated cost of Rs.4.60 Crore is in progress. 60% of the works have been completed.

Construction of Protection Wall on the Left Bank of the Kollidam River near Akkarai Jeyakondapattinam in Chidambaram Taluk in Cuddalore District at an estimated cost of Rs. 14.74 Crore is in progress, to benefit an ayacut of 1,173 acre. 85% of the works have been completed.

6.0. Flood Protection Works

6.1. Long term Flood Mitigation Works

Long term flood mitigation works in very high vulnerable areas of in Chennai, Kancheepuram, Tiruvallur and other coastal Districts have been taken up for implementation in phases.

In first phase, 16 works in Araniyar, Kosasthalaiyar, Coovum, Adyar and Kovalam Sub Basins were completed at an estimated cost of Rs.100.10 Crore.

In Second phase, out of 12 works sanctioned at an estimated cost of Rs.238.13 Crore, 8 works were completed and remaining works are in various stages of implementation.

Works Completed

Phase I

Providing protective measures along Redhills tank surplus course by construction of retaining wall for 1.00 km at 8 locations and forming a earthen channel for a missing link in Amullavoyal Village in Kosasthalaiyar Sub Basin has been completed at an estimated cost of Rs. 10.00 Crore.

Formation of earthen foreshore bund with inlet box culverts and screw gear shutters across the bund and construction of masonry drain along its toe in the residential areas to collect storm water and dispose it to Coovum river through a deeper drain across the right flank end of Tiruniravoor tank in Coovum Sub Basin has been completed at an estimated cost of Rs.1.00 Crore.

Phase II

Formation of Cut & cover macro drain from Tambaram big tank to the macro drain near Tambaram- Mudichur road junction along the Service road of Chennai bye-pass in Tambaram Taluk of Chengalpattu District has been completed at an estimated cost of Rs. 13.74 Crore.

Construction of Flood regulator and road bridge across Somangalam Tributary of River Adyar to form a Riverine for conservation of flood water and mitigation of floods in Somangalam Village of Sriperumbudur Taluk in Kancheepuram District has been completed at an estimated cost of Rs. 4.68 Crore.

Providing cut & cover macro drain in the highly vulnerable areas from Urupakkam to the starting point of Mannivakkam supply channel at NH 45 in Chengalpattu Taluk and District has been completed at an estimated cost of Rs. 2.15 Crore.

Formation of a Riverine Reservoir across Coovam River near Pudhu Mavilangai Village of Tiruvallur Taluk and District has been completed at an estimated cost of Rs. 7.59 Crore.

Rehabilitation of the Checkdam across Araniyar River at A. Reddypalayam village in Ponneri Taluk of Tiruvallur District has been completed at an estimated cost of Rs. 9.70 Crore.

Re-Construction of Vanjivakkam In-Let and Strengthening the Araniyar River Flood banks in downstream of Vanjivakkam Village in Ponneri taluk of Tiruvallur District has been completed at an estimated cost of Rs. 3.99 Crore.

Construction of a flood control regulator across Old Coleroon confluence point with Coleroon River near Perampattu and Keezhakundalapadi Villages in Chidambaram Taluk of Cuddalore District has been completed at an estimated cost of Rs. 42.80 Crore.

Construction of a new Tail End Regulator across Uppanar drain near Pitchavaram Village to prevent sea water intrusion in Chidambaram Taluk of Cuddalore District has been completed at an estimated cost of Rs. 15.25 Crore.

Works in progress

Phase II

Formation of Reservoir across Orathur tributary of Adyar River with Intra- Basin transfer canal for water supply augmentation and flood mitigation near Orathur Village in Sriperumbudur Taluk of Kancheepuram District at an estimated cost of Rs.55.85 Crore is in progress.

Formation of a Riverine Reservoir across Adyar River near Varatharajapuram Village of Sriperumbudur Taluk in Kancheepuram District at an estimated cost of Rs. 11.12 Crore is in progress.

Modernisation of Keelkattalai surplus course from Keelkattalai Tank to Narayanapuram Tank in Sholinganallur Taluk of Chennai District at an estimated cost of Rs.16.76 Crore is in progress.

Other Works

Works Completed

Permanent restoration of the breached portions of the Grand Anicut Canal at L.S. 16.70 km and 26.40 km, Kalyana Odai Branch Canal at L.S. 11.30 km and strengthening its vulnerable portions in Budalur, Thanjavur and Orathanadu Taluks of Thanjavur District has been completed at an estimated cost of Rs. 1.70 Crore.

6.2. Chennai Rivers Restoration Works (CRRT funding)

Works Completed

Adyar River

Widening and desilting the Adyar River from upstream side of Thiru.Vi.Ka. Bridge to downstream side of Kotturpuram Bridge Chainage from 2,007 m to 4,360 m (L.S. 38,240 m to L.S. 40,593 m) in Chennai District (Package No.2) has been completed at an estimated cost of Rs. 14.18 Crore.

Widening and desilting the Adyar river from u/s of Kotturpuram Railway Bridge to downstream side of Maraimalai Adigalar Bridge, Chainage 4,383 m to 7,275 m (L.S. 35,325 m to L.S. 38,217 m) in Chennai District (Package No.3) has been completed at an estimated cost of Rs. 10.12 Crore.

Widening and desilting the Adyar River from u/s of Maraimalai Adigalar Bridge to d/s of Jaffer Khanpet Road Bridge chainage 7,325 m to 9,823 m (L.S. 32,777 m to L.S. 35,275 m) and construction of flood protection wall on left side from chainage 7859 m to 8215 m (L.S. 34,385 m to L.S. 34,741 m) and chainage 8,231 to 8,749m (L.S. 33,851 m to L.S. 34,385 m) in Chennai District (Package No.4) has been completed at an estimated cost of Rs. 18.72 Crore.

Widening and desilting the Adyar river from upstream side of Jaffer Khanpet Road bridge (Inner Ring Road) to downstream side of Manapakkam Check Dam chainage 9,848 m to 13,182 m (L.S. 29,418m to L.S. 32,752m) and construction of flood protection wall on left side from chainage 9,897m to 10,397m (L.S. 32,203m to L.S. 32,703m) in Chennai District (Package No.5) has been completed at an estimated cost of Rs. 15.73 Crore.

Widening and Desilting the Adyar River from chainage 18,100 m to 20620 m and chainage 21,420 m to 21,900 m and construction of flood protection wall from chainage 25,023 m to 25,219 m and inlets in Kancheepuram District (Package No.6) has been completed at an estimated cost of Rs. 14.38 Crore.

Coovum River

Improvements to North arm of Coovun River from Hudson Bridge to Napier Bridge (Chainage 0 m to 2,040 m) has been completed at an estimated cost of Rs. 3.46 Crore.

Improvements to Coovum River from upstream of Napier Bridge to Chetpet Bridge (Chainage 700 m to 9,677 m) has been completed at an estimated cost of Rs. 24.33 Crore.

7.0. Coastal Protection Works

Works Completed

Coastal study from Vattakottai to Neerodi in Kanniyakumari District was completed at an estimated cost of Rs. 0.12 Crore under State Fund.

Reformation of Rubble Mound Sea Wall for protection of houses in front of community Hall at Vallavilathurai in Vilavancode Taluk of Kanniyakumari District was completed at an estimated cost of Rs. 0.49 Crore under National Agriculture Development Programme (NADP).

Reformation of Rubble Mound Sea Wall for protection of houses in front of church at Vallavilathurai in Vilavancode Taluk of Kanniyakumari District was completed at an estimated cost of Rs. 0.46 Crore under National Agriculture Development Programme (NADP).

Construction of Rubble Mound Sea Wall for protection of houses in front of church (Left side & Right side) at Marthandanthurai in Vilavancode Taluk of Kanniyakumari District was completed at estimated cost of Rs. 0.69 Crore under State Fund.

Reformation of Rubble Mound Sea Wall at Eastern Flank Keezhmidalam hamlet in Vilavancode Taluk of Kanniyakumari District was completed at an estimated cost of Rs. 0.72 Crore under State Fund.

Works in progress

Construction of Groynes at Alanthalai in Thiruchendur Taluk of Thoothukudi District at an estimated cost of Rs. 52.46 Crore is in progress under State Fund.

Construction of 7 Groynes at Poothurai in Vilavancode Taluk of Kanniyakumari District at an estimated cost of Rs. 14.69 Crore is in progress under NABARD.

Construction of RMS Wall at Seeniyappa Dharga in Mandapam Block of Rameswaram Taluk in Ramanathapuram District at an estimated cost of Rs. 11.15 Crore is in progress under NABARD.

Construction of RMS wall to safeguard the houses and graveyard of Helan Colony Hamlet in Vilavancode Taluk of Kanniyakumari District at an estimated cost of Rs. 1.06 Crore is in progress under NABARD.

8.0. Desilting of Dams and Water Bodies

8.1. Cauvery Basin Desilting

In the year 2020-21, 413 desilting works in the rivers, Channels and Drains in Cauvery Basin were completed at an estimated cost of Rs.69.25 Crore in Cuddalore, Karur, Tiruchirappalli, Ariyalur, Thanjavur, Thiruvarur, Nagapattinam and Pudukkottai Districts.

For the year 2021-22, the Government have accorded sanction for 647 works to desilt the Rivers, Channels and Drains in Cauvery Basin for an estimated cost of Rs.65.10 Crore in Cuddalore, Karur, Tiruchirappalli, Ariyalur, Thanjavur, Thiruvarur, Mayiladuthurai, Nagapattinam and Pudukkottai Districts. So far, 645 works have been completed and water reaches tail end areas.

8.2. Desilting of Vaigai, Pechipparai, Mettur, Amaravathy Reservoirs and Srivaikundam Anicut

Preparation of Detailed Project Report and Rapid Environment Impact Assessment Study for 4 reservoirs and 1 anicut was entrusted to M/s.WAPCOS Limited at a cost of Rs.8.35 Crore. The Detailed Project Reports for desilting of Vaigai, Amaravathy, Pechipparai, Mettur Reservoirs and Srivaikundam Anicut have been prepared.

Rapid Environmental Impact Assessment Study are under preparation for desilting of Vaigai, Pechipparai, Mettur and Amaravathy Reservoirs.

Detailed Estimate for Desilting of Vaigai Reservoir in Theni District at an amount of Rs.9.00 Crore with the expected revenue generation of Rs. 211.76 Crore is under consideration.

Detailed Estimate for Desilting of Pechipparai Reservoir in Kanniyakumari District at an estimated amount of Rs.5.12 Crore with the expected revenue generation of Rs. 95.60 Crore is under consideration.

Revised detailed estimate for Desilting of Amaravathi Reservoir in Tiruppur District is under preparation based on the suggestions and observations of the Technical Advisory Committee.

Restoration of Srivaikundam Anicut to its original capacity at an estimated cost of Rs.5.93 Crore was taken up. Work has been temporarily stopped based on the directions of the National Green Tribunal.

Detailed Estimate for desilting of Mettur Reservoir in Salem District is under preparation.

8.3. Desilting of Parappalar Reservoir

To restore the capacity of Parappalar reservoir, desilting works, the Ministry of Environment, Forests and Climate Change has accorded approval for Stage 1.

Administrative Sanction has been accorded for an estimate amount of Rs.66.96 lakh for depositing to Forest Department for the development of catchment area. Subsequently, payment has been made to MoEF & CC, Union Government for an amount of Rs.61.96 lakh and final approval has been received.

Sanction accorded for Rs.44.00 lakh for Revised detailed estimate prepared based on the suggestions and observations of the Technical Advisory Committee.

8.4. Desilting of Veeranam tank

Desilting of Veeranam tank to restore its designated capacity of 1,465Mc.ft. including rehabilitation and increasing the carrying capacity of the Vadavar Channel has been completed at an estimated cost of Rs. 40.00 Crore.

8.5. Desilting of Chennai City drinking water supply tanks

Desilting of Chembambakkam tank in Kundrathur Taluk of Kancheepuram District at an estimated cost of Rs. 4.03 Crore is in progress.

Desilting of Cholavaram tank in Ponneri Taluk at an estimated cost of Rs.5.43 Crore, Sathiyamoorthy Sagar Reservoir in Poondi Village of Tiruvallur Taluk at an estimated cost of Rs. 10.98 Crore and Redhills tank in Ponneri Taluk of Tiruvallur District at an estimated cost of Rs. 9.90 Crore are in progress.

By desilting the above Chennai City drinking water supply tanks, storage capacity of 1.904 T.M.C. ft. will be restored.

9.0. Schemes under Investigation

Surveying and levelling Operations have been completed for Inter-linking of Amaravathi River, Shanmuganadhi, Varadhananadhi, Nallathangalodai and Nanganjar River in Dindigul District. Feasibility report is under scrutiny.

Surveying and levelling operations have been completed for Construction of Barrage across the River Kollidam at Mathirivelur Village in Kollidam Block of Nagapattinam District and Nallamputhur Village in Komaratchi Block of Cuddalore District. The estimate is under consideration.

Surveying and levelling Operations have been completed for the scheme of Excavation of supply canal from L.S. 15.95 km of Barur East Main Canal to feed to 33 tanks in Uthangarai and Pochampalli Taluks in Krishnagiri District and estimate has been prepared for an amount of Rs. 83.96 Crore. Estimate is under consideration Land Acquisition is in progress.

Surveying and Levelling operations have been completed for Pumping the surplus flood water of Pennaiyar river from Echampadi anicut to feed tanks and ponds in Morappur, Pappireddipatti and Harur Unions of Dharmapuri District and estimate has been prepared for an amount of Rs. 401.00 Crore. The estimate is under consideration.

Surveying and levelling operations have been completed for the scheme of diversion of flood water from Maniyachipallam Odai to Varattupallam reservoir in Andhiyur Taluk of Erode District. Technical feasibility report is under scrutiny.

Surveying and Levelling Operations have been completed for formation of a reservoir across Pennaiyar River at the Confluence point of Chinnar River at Vanniottu near Sikalapalli Village in Hosur taluk of Krishnagiri District and estimate is under preparation.

Surveying and levelling operations have been completed for Formation of reservoir across Thadavaiyar in Gnam Village of Thoivalai taluk in Kanyakumari District. Design is in progress.

Surveying and levelling operations have been completed for Construction of new Barrage across Coleroon River at L.S. 79.500 km on the downstream of upper anicut connecting Thoothur village of Ariyalur district and Vazhkkai village of Thanjavur district. Estimate is under preparation.

Surveying and Levelling operations have been completed for Construction of barrage across river Cauvery at 122.24 km between Nerur and Oruvanthur Villages of Manmangalam and Mohanur Taluks in Karur and Namakkal Districts. Estimate is under preparation.

Surveying and Levelling operations have been completed for Construction of a Barrage across River Cauvery at L.S. 164.10 km in between Marudhur North Village of Kulithalai Taluk in Karur District and Umaiyalpuram Village of Musiri Taluk in Trichy District. Estimate is under preparation.

Surveying and levelling operations have been completed for Construction of Barrage across Thamiraparani River near Athalanallur Village in Cheranmahadevi Taluk of Tirunelveli District for an amount of Rs.15.00 lakh. Design is under preparation.

Surveying and levelling operations have been completed for Construction of Barrage across Thamiraparani River near Thiruvengadanathapuram Village in Palayamkottai Taluk of Tirunelveli District for an amount of Rs. 15.00 lakh. Design is under preparation.

Surveying and levelling operations have been completed for Construction of Barrage across Thamiraparani River in Thirumalaikolunthupuram Village of Palayamkottai Taluk and Kuppakurichi village of Tirunelveli Taluk in Tirunelveli District for an amount of Rs. 20.00 lakh. Design is under preparation.

Surveying and levelling operations have been completed for Construction of Diversion Weir across Nambiyar river and excavating a new canal to divert the flood water to Kuttam and around areas in Radhapuram Taluk of Tirunelveli District. Design is under preparation.

Surveying and levelling operations have been completed for diversion of surplus flood water from Tamiraparani river to recharge Sawyerpuramtheri area and to feed series of big tanks upto Korampallam by increasing the carrying capacity of existing Marudhurkeelakal, Perur bypass channel and excavation of new channel in Srivaikuntam Taluk of Thoothukudi District. Design is under preparation.

Surveying and levelling operations have been completed for construction of Tail End wall across Coleroon river to arrest sea water intrusion at Thirukazhipalai village of Chidambaram taluk in Cuddalore district and Alakudy village of Sirkali Taluk in Mayiladuthurai District (Nagapattinam). Estimate is under preparation.

Surveying and Levelling operations have been completed for formation flood carrier canal from Thamiraparani river in the upstream side of Seevalaperi Check dam to drought prone area of Srivaikundam, Ottapidaram, Ettayapuram and Vilathikulam Taluks by intra linking of Uppar Odai, Malattar river and Vaippar river in Thoothukudi District for an amount of Rs. 40.00 lakh. Design is under preparation.

Surveying and levelling operations have been completed for linking of Pennaiyar (Sathanur) - Cheyyar Palar and augmenting Nandan channel, which is proposed as 2 phases. As a first stage estimate is under preparation for "Excavation of canal to feed 22 tanks in Tiruvannamalai District and augmenting supply to Nandan channel".

Surveying and levelling operations have been completed for Formation of Link canal from Erattaikulam to Uthurnalai in Veerakeralampudhur Taluk of Tenkasi District. Design is under preparation.

Surveying and levelling operations are in progress for Diversion of surplus water from Krishna tank to the Periya tank in Zamin Uthukuli- Devampadivalasu village at Pollachi Taluk of Coimbatore District at an estimated cost of Rs. 9.54 lakh.

Surveying and levelling operations are in progress for formation of reservoir across Koraiyar River in Vikramasingapuram village of Ambasamudram Taluk in Tirunelveli District at an estimated cost of Rs. 24.00 lakh.

Surveying and Levelling operations are in progress for construction of a small dam across Kalpadai river and a small dam across Pottiyam river to create additional water storage on the upstream side of Gomukhi dam in Chinnasalem Taluk of Kallakurichi District at an estimated cost of Rs. 14.66 lakh.

Surveying and Levelling operations are in progress for recharging groundwater in areas surrounding Koraiyar and Malattar through a supply channel by using the excess flood water from Pennaiyar River near Andrayanallur Village in Thirukovilur Taluk of Kallakurichi District at an estimated cost of Rs. 8.00 lakh.

Surveying and Levelling operations are in progress for Pumping the flood surplus water of Cauvery river from Mayanur barrage in Karur District to feed feasible tanks in Vedasandur Taluk of Dindigul District for an estimated cost of Rs. 20.00 lakh.

Revised hydrology is under preparation for Pennaiyar (Nedungal) - Palar link project for diverting excess flow from Pennaiyar river of Krishnagiri District to Palar River in Vaniyambadi Taluk of Tirupattur District.

3. Department of Geology and Mining - 2020-21

Mineral occurrences and its production in the State during 2019-20 and its uses were requested by Indian Railways for incorporating in the General Manager's Annual Narrative Report. In this regard, the minerals available in the State along with its production for the year 2020-21 is shown below :-

Quantity of Mineral 2020-21.

MAJOR MINERALS					
Sl. No.	District				Quantity permitted (in tonnes)
LIMESTONE					
1.	Ariyalur	..	..	..	11399384
2.	Coimbatore	..	..	..	0
3.	Dindigul	..	..	..	2629034
4.	Karur	..	..	..	505000
5.	Krishnagiri	..	..	..	0
6.	Namakkal	..	..	..	0
7.	Perambalur	..	..	..	96000
8.	Salem	..	..	..	377910
9.	Tenkasi	..	..	..	0
10.	Thoothukudi	..	..	..	1097500
11.	Tirunelveli	..	..	..	0
12.	Trichy	..	..	..	2417313
13.	Virudhunagar	..	..	..	255200
Total				..	18777341
MAGNESITE					
1.	Namakkal	..	..	..	0
2.	Salem	..	..	..	37500
Total				..	37500
VERMICULITE					
1.	Thirupathur	..	..	..	541
Total				..	541
MARL					
1.	Ariyalur	..	..	..	522000
Total				..	522000
GRAPHITE					
1.	Sivagangai	..	..	..	15747.48
Total				..	15747.48
BEACH SAND					
1.	Kanyakumari	..	..	..	763000
2.	Tirunelveli	..	..	..	0
Total				..	763000
CRUDE OIL					
1.	Cuddalore	..	..	..	242.04
2.	Nagapattinam	..	..	..	137968.694
3.	Ramanathapuram	..	..	..	13796.903
4.	Thanjavur	..	..	..	116213.250
5.	Thiruvarur	..	..	..	138717.826
Total				..	406938.713

MAJOR MINERALS					
Sl. No.	District				Quantity permitted (in tonnes)
LIGNITE					
1.	Cuddalore	..	..	..	17867468.26
Total				..	17867468.26
NATURAL GAS					
(in Cubic Mts.)					
1.	Cuddalore	..	..	..	704401
2.	Nagapattinam	..	..	..	176306313
3.	Ramanathapuram	..	..	..	486493357
4.	Thanjavur	..	..	..	15806999
5.	Thiruvarur	..	..	..	186387800
Total				..	865698870
MINOR MINERALS					
BLACK GRANITE					
1.	Dharmapuri	..	..	..	1167.264
2.	Erode	..	..	..	0.000
3.	Kallakurichi	..	..	..	163.841
4.	Krishnagiri	..	..	..	6600.694
5.	Perambalur	..	..	..	652.565
6.	Salem	..	..	..	781.096
7.	Thiruvannamalai	..	..	..	1687.263
8.	Tiruvallur	..	..	..	0.000
9.	Villupuram	..	..	..	2912.219
Total				..	13964.942
COLOUR GRANITE					
1.	Dindigul	..	..	..	7033.730
2.	Erode	..	..	..	2863.983
3.	Kancheepuram	..	..	..	0
4.	Karur	..	..	..	16580
5.	Krishnagiri	..	..	..	34188.427
6.	Namakkal	..	..	..	10787.300
7.	Pudukkottai	..	..	..	1467.900
8.	Salem	..	..	..	5131.291
9.	Sivagangai	..	..	..	45.646
10.	Tenkasi	..	..	..	10.580
11.	Thoothukudi	..	..	..	0
12.	Tirunelveli	..	..	..	148.671
13.	Tiruppur	..	..	..	0
14.	Thiruvannamalai	..	..	..	126.310
15.	Vellore	..	..	..	0
16.	Villupuram	..	..	..	0
17.	Virudhunagar	..	..	..	20584.075
Total				..	98967.913

MINOR MINERALS

Sl. No.	District	Quantity permitted (in tonnes)
Roughstone		
1. Ariyalur		54600
2. Chengalpattu		495219
3. Coimbatore		2104042
4. Cuddalore		0
5. Dharmapuri		439188
6. Dindigul		617575
7. Erode		404721
8. Kallakurichi		59530
9. Kancheepuram		844458
10. Kanniyakummari		160076
11. Karur		1246050
12. Krishnagiri		3412982
13. Madurai		987035
14. Namakkal		451077
15. Perambalur		514164
16. Pudukottai		1127168.54
17. Ramanathapuram		138150
18. Ranipet		427252
19. Salem		748689
20. Sivagangai		100620
21. Tenkasi		901278
22. Theni		1151745
23. Thiruvannamalai		1614012
24. Thoothukudi		901573
25. Tirunelveli		2393141
26. Tirupathur		70800
27. Tiruppur		1228078
28. Tiruvallur		114275
29. Trichy		205939
30. Velloore		201654
31. Villupuram		620312
32. Virudhunagar		1830483.6
Total	..	25565797

Earth / Clay / Red Soil

1. Ariyalur		186992
2. Chengalpattu		18000
3. Chennai		113196
4. Cuddalore		293788
5. Dharmapuri		5700
6. Dindigul		112578
7. Kallakurichi		28800
8. Kancheepuram		308070
9. Kanniyakummari		22500
10. Madurai		64508
11. Nagapattinam		44940
12. Namakkal		0
13. Perambalur		0
14. Pudukottai		327369.84
15. Ramanathapuram		276466.9
16. Salem		68700
17. Sivagangai		500061

MINOR MINERALS

Sl. No.	District	Quantity permitted (in tonnes)
Earth / Clay / Red Soil		
18. Tenkasi		0
19. Thanjavur		133690
20. Theni		731250
21. Thiruvannamalai		256811
22. Thoothukudi		465218
23. Tirunelveli		0
24. Tiruppur		310159
25. Tiruvallur		258357
26. Thiruvarur		0
27. Trichy		239939
28. Velloore		0
29. Villupuram		87228
30. Virudhunagar		858415
Total	..	5712736

Gravel

1. Ariyalur		23700
2. Chengalpattu		283517
3. Coimbatore		95824
4. Dindigul		145152
5. Erode		84382
6. Kancheepuram		210426
7. Kanniyakummari		51107
8. Karur		26520
9. Krishnagiri		12500
10. Madurai		337696
11. Kallakurichi		10053
12. Namakkal		22680
13. Tenkasi		57940
14. Tirunelveli		59604
15. Villupuram		59160
Total	..	1507261

Pebbles

1. Cuddalore		10917
2. Kallakurichi		5805
3. Villupuram		990
Total	..	17712

Quartz (MT)

1. Dindigul		480
2. Erode		0
3. Karur		690
4. Namakkal		970
5. Tiruppur		2340
6. Trichy		0
7. Salem		4590
Total	..	9070

Kankar / Lime Kankar (MT)

1. Ariyalur		500000
2. Dindigul		252
3. Virudhunagar		289825
Total	..	790077

Fireclay (MT)

1. Ariyalur		60800
3. Perambalur		82300
Total	..	143100

MINOR MINERALS

Sl. No.	District				Quantity permitted (in tonnes)
Silica Sand (MT)					
1. Cuddalore	..	..	..	..	0
2. Chengalpattu	..	..	..	..	1750
3. Nagapattinam	..	..	..	..	0
Total				..	1750
Feldsper in MT					
1. Dindigul	..	..	..	..	75
2. Erode	..	..	..	..	48100
3. Karur	..	..	..	..	2656
4. Namakkal	..	..	..	..	3980
5. Salem	..	..	..	..	15800
6. Tiruppur	..	..	..	..	1190
Total				..	71801
Quartzite (MT)					
1. Thoothukudi	..	..	..	..	2948
Total				..	2948

Tamil Nadu State Industrial Development Corpn. Ltd. (TIDCO) :

Sl. No.	Industrial Projects relating to TIDCO	Nos.	Enclosures
1.	No. of Projects completed and commissioned during 2020-21.	..	..
2.	Under construction and Anticipated production.	..	..
3.	Proposals if any for new Industries to be taken.	..	..
4.	No. of Projects under implementation.	10	is shown below :—

Project under implementation are as under :—

- 1 LNG Import Terminal Project in Thiruvallur District
- 2 TRIL Infopark Limited at Taramani
- 3 TICEL Bio Park-III Project in Coimbatore District
- 4 Polymer Industries Park Project in Tiruvallur District
- 5 Special Economic Zone/Special Investment Region project in Krishnagiri Districts.
- 6 Petroleum, Chemicals and Petrochemicals Investment Region(PCPIR) in Cuddalore and Nagapattinam District
- 7 Aerospace Advanced Computing and Design Engineering Centre Project in Kancheepuram District.
- 8 Heavy Engineering Components Hub Project in Tiruvallur District.
- 9 National Investrial and Manufacturing Zone Project in Ramanathapuram District.
- 10 ChennaiBengaluru Industrial Corridor (CBIC) – Ponneri Industrial Node Development Project.

5. Department of Agriculture :—

The details of Area and Production regarding Paddy, Rice and Millet is shown below :—

S.No	Crop	2019-20		(As per 4th advance estimate 2020-21 for the year 2020-21, Department of Economics and Statistics)	
		Area (Hec)	Production (ton)	Area (Hec)	Production (ton)
1.	Paddy	19,07,410	72,65,170	20,37,690	72,83,310
2.	Cumbu	67492	185083	67380	200420
3.	Maize	333565	2614747	398930	2716890
4.	Ragi	84545	274474	83970	267770

6. Department of Agriculture and Farmer's Welfare Department.

Details of Area and Productions of Pulses and Oilseeds Crops for the year 2020-21 with comparative for the year 2019-20 is furnished below :—

Pulses	2019-20	2020-21
Area	8.235 LHa	8.043 LHa
Production	6.054 L. Ha	4.945 L MT

Oilseeds	2019-20	2020-21
Area	4.094 LHa	4.752 LHa
Production	10.749 L. Ha	9.821 L MT

Kerala :

Transport Commissionerate, Kerala

There is no Data available in Motor Vehicles Department (Transport Commissionerate) in Kerala, because no Vehicles (Buses and Lorries used for public trasnport system) are owned by this Department for carrying passengers and goods and hence no Routes are operated under the control of this Department.

2. Railway Kilometrage

The open line kilometrage as on 31st March 2021

Gauge	Route Kilometrage			Track Kilometrage including Sidings Kilometrage
	Single Line	Double/ Triple/ quadruple lines	Total	
Broad Gauge	2725.35	2188.93	4914.28	9106.56
Metre Gauge	172.41	0.00	172.41	179.10
Narrow Gauge	0.00	0.00	0.00	0.00
Total	2897.76	2188.93	5086.69	9285.66

Note.—

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

3. General Review of working for the year 2019–2020 and 2020–2021 are as follows :—

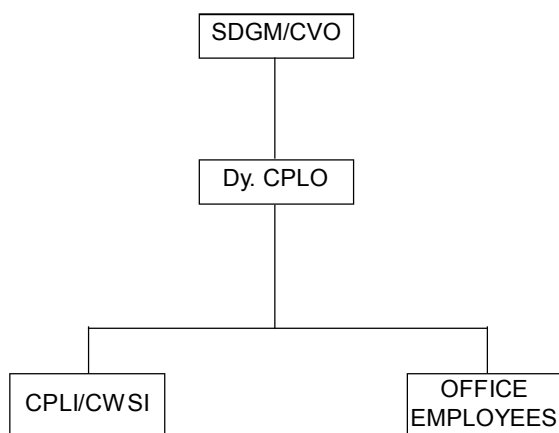
	2019–20	2020–21
Gross Earnings (in crores of rupees).	8,189.02	4,026.43
Working Expenses (excl. Suspense) (in crores of rupees).	10,446.18	8,752.63
Number of passengers carried .. (in millions).	845.69	106.28
Tonnes originating (Revenue) .. (in millions).	31.75	26.84
Tonnes Carried (System) (Revenue) (in millions).	54.37	53.13
Freight tonne kms. (Revenue) .. (in millions).	15,549	15,761
Goods Train kms. (in millions) ..	9.97	11.10
Train Engine kms. (Goods and prop.) (in millions).	21.37	21.92

4. PLANNING BRANCH - EFFICIENCY CELL

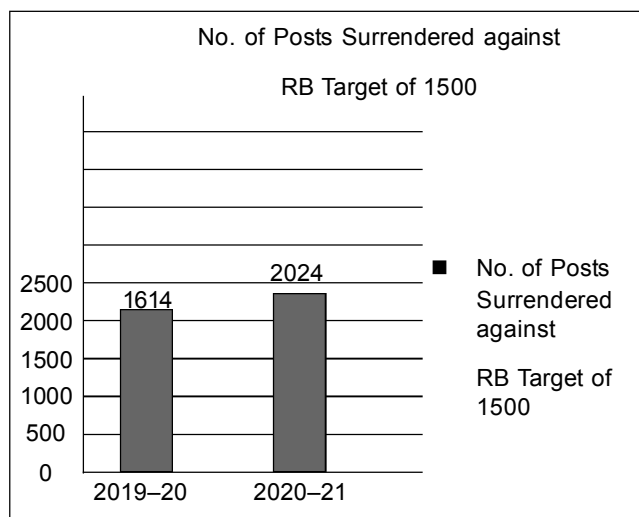
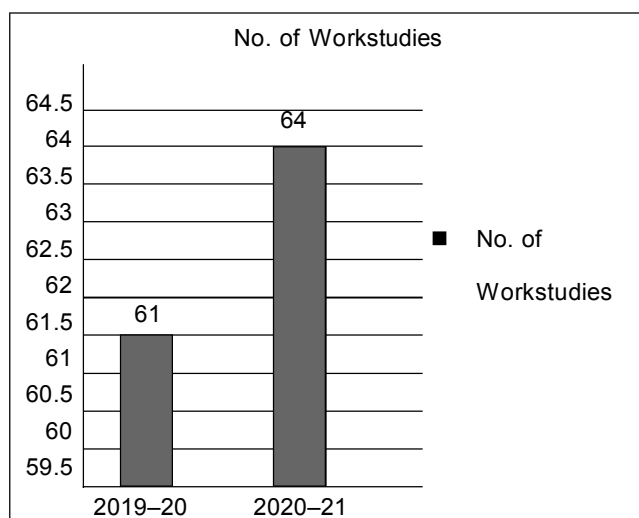
1.0 WORK STUDIES/CRASH STUDIES

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 2020-21, 64 Work Studies were completed. 1,653 surplus posts were identified with a projected savings of Rs. 86.91 cr. per annum (Approximately).
- 2024 posts were surrendered during the year 2020–21 surpassing the Railway Board's target of 1500 posts by a whopping 135%. The Annual Financial savings on account of the above surrender is Rs.106.42 cr. (Approximately).
- Graphical illustration of performance of the Planning branch is given below:—



- The achieved surrender as discussed above have significantly brought down to (approximately 50% of the figures in 2018–19) resulting in pending surrender over the years as tabulated below.

Sl. No.	Year	Pending studies	Pending Surrenders
1.	2018–19	112	2174
2.	2019–20	120	1533
3.	2020–21	73	1143

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 identify to Work Studies. A total of 4 posts have been agreed for creation from Medical Department.

➤ 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.

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. Also an Annual e--publication titled 'SALIENT FEATURES' is compiled, comprising the activities and achievements of all the Departments and uploaded in the Southern Railway Rail Net Home Page every 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 preposition.
- ◆ Assist in eliminating the waste by expenditure monitoring, and
- ◆ Enhancing efficiency with economy

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

Commercial Statistics:

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

- ◆ 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 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 seitch 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 Clearnce 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.

(a) Cash and Voucher :-Updation of Station Master upto SEPTEMBER 2020 as and when new Stations are opened for traffic.

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

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 upto September 2020 and then processed in IPAS from October 2020. Station code and bank code are updated in IPAS in different tables for the purpose of CR entry, for HQ, TPJ, TVC, PGT and Salem Divisions, raised through SR by SRITC.

Station code and bank code linked in IPAS Table for CR entry from October 2020.

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) (2020-2021) :-

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.

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

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 format. 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 reports 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 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.

✖ ones and attached in SRITC web portal.

✖ Disaster recovery site (Business Continuity Plan) was created at SRITC/MAS.

✖ Database of Salem Division migrated to SRITC/MAS

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 2020–2021 AMCs were entered into for**

- ✖ Power One 30KVA UPS for two years
- ✖ NUMERIC 30KVA UP for two years

B. Processed AMC quarterly bills in IPAS for

- (i) PCs & Printers
- (ii) Power one 30KVA UPS
- (iii) Numeric 30KVA UPS

C. Refund of Security deposit for AMC of

- (i) PCs and 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 anti virus 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					
			2018–19			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.

7.0 PUBLIC RELATIONS AND PUBLICITY

APRIL 2020 – MARCH 2021

Public Relations Department of Southern Railway plays a pivotal role in enhancing the reputation of Southern Railway through concerted efforts.

Keeping the public abreast of the developments on the Railways through print and electronic media is the primary responsibility of the Public Relations wing. Organized Publicity Campaigns and media related activities are fundamental to the growth of any organization. The Public Relations Department is engaged in various activities such as media coverage, publicity campaigns organizing and co-ordinating public functions and participation in exhibitions besides maintaining a record of media feedback.

PRESS COVERAGE

Dissemination of information to the public is the primary responsibility of the department. Press releases that are both informative – dealing with train operations and development-oriented – highlighting the achievements and innovations in the various aspects of Railway functioning, are the basic inputs that keep the public abreast of day-to-day railway working.

➤ During the period, a total of **850 Press releases** highlighting the developmental activities and achievements of the Railway were issued from Headquarters and divisions.

➤ **Rejoinders** were issued, wherever necessary, to counter wrong and distorted reports appearing in certain sections of the Press. **Clarifications** were also issued, whenever required.

➤ Complaints and grievances appearing in the columns of the press were forwarded to respective departments regularly for immediate action.

➤ A consolidated daily 360 Degrees report elucidating the coverage in Print, Electronic, You Tube, official Twitter and facebook pages is compiled and forwarded to Railway Board.

➤ An exclusive Daily news analysis detailing the nature of coverage, i.e. positive, negative and neutral news items is prepared and shared with Railway Board.

➤ A consolidated daily Media Report featuring the news items appearing in the print/online columns of prominent English, Hindi and Vernacular dailies such as Tamil, Malayalam and Telugu is shared with General Manager and PHOSs through e-office. Any sensitive issue featuring in social media is also brought to the notice of GM and senior officials.

➤ Press Brief highlighting the innovations, developments and achievements of Divisions/Departments and exemplary work by employees is sent to Press & Media regularly for positive coverage.

➤ Special arrangements were made by PR team during Hon'ble Prime Minister's functions held in Chennai on 17th January and 14th February 2021 for print & media persons to cover the events. Constructive Liaison with Press & Media was upheld to ensure wider coverage.

➤ PR team worked round the clock during Hon'ble MR's virtual function held on 21st February 2021 at various locations in Tamil Nadu and Kerala over the Railway. Extensive coverage in Print, Electronic and Social Media was ensured.

➤ In line with Ministry of Railways' initiatives, flagship programmes like Swachata Pakhwada and events like Women's Day, Heritage Day, etc., are widely publicized in Print, electronic and social media.

Press Meets / Press Conferences

Press conferences are a great way to gauge the concern of the public and clarify a number of queries, creating trust and boosting the goodwill of the organization.

Over 125 Press Conferences/Press meets were arranged on various occasions focusing on the activities of the Railway during the year. General Manager conducted Press conferences on three occasions during the year as detailed below :

1. GM Press Meet on Freight achievements and various initiatives of SR during lockdown on 8th September 2020.
2. GM Press Meet on Budget highlights 2021-22 on 5th February 2021.

3. GM Press Meet Strict Implementation of COVID 19 protocol, preventing rush in platforms 09.04.2021.

Apart from the above, Press Conferences were organized during General Manager's Annual Inspection of divisions. DRMs also conducted Press Meets to brief media on various developments in the divisions and to brief media about mega line block/power blocks and consequent changes in pattern of services. Senior PR officials also gave bytes regarding Shramik Specials, Special trains, Oxygen Express, COVID awareness and Swachhata Pakhwada.

TELEVISION / ALL INDIA RADIO COVERAGE

Wide coverage was given for all Railway events by AIR, Doordarshan, and Satellite television Channels. Important press releases are flashed/scrolled on the Radio and TV networks for the benefit of the public.

Special efforts were taken during Monsoon rains to reach rail users through prompt scroll messages in various TV and Radio FM channels with real-time information pertaining to cancellation, diversion, rescheduling and partial cancellation of services and operation of specials at short notice.

Two Radio spots, one in Malayalam and the other in Tamil, were produced on COVID awareness. Mr. Charlie, a renowned Tamil movie actor was roped in for an awareness visual on COVID safety protocol. The video clipping was widely shared in all the social media portals.

Further, wide range of topics including Railway operations and social awareness themes with regard to passenger security were given adequate publicity.

SOCIAL MEDIA

Southern Railway is active on social media. Press releases, event updates, innovations, achievements of all the departments are being shared in the official twitter (@GMSRailway) and facebook (Southern Railway facebook) handles. The number of followers of these interactive forums is steadily increasing. The link to these portals is uploaded in www.sr.indianrailways.gov.in (Southern Railways's website) for wider reach.

Southern Railway facebook had 1,04,813 followers as on 31st March 2021 (88,466 followers as on 01st March 2020) registering an increase of 18% in followership compared to the previous. 1900 facebook posts were shared during the period.

Official twitter handle of Southern Railway @GMSRailway recorded followership of **52,207 Twitterati** as on 31st March 2021 (33628 followers as on 01st April 2020) recording an increase in followership by 25.54%. **2400 tweets** were shared during the period.

Southern Railway has also registered its presence in Youtube, Instagram, Koo app, Signal, Whatsapp and Telegram. The official Youtube channel had 600 followers as on 31st March 2021.

Social media campaigns were conducted during 2021-22 to popularize Jan Andolan, One Nation One Ration Card, Constitution Day, Armed Forces Day, Vigilance Awareness Week, Jago Grahak Jago, COVID Vaccination campaign and Swachh Bharat.

85 Infographics were made for social media on different themes such as freight performance, Shramik Specials, Special trains, Budget outlay, etc. Further the infographics shared by Ministry of Railways and other Ministries highlighting GOI's achievements is also publicised extensively through social media.

3 audio-visuals were produced during 2020-21 highlighting the achievements of Southern Railway – 2 videos for PM functions held on 17th January & 14th February 2021 and one video for MR function held on 21st February 2021. As an in-house effort, as many as **50 videos** were made by PR department covering various occasions such as GM's annual Inspection of Divisions and Workshops and other noteworthy achievements of the zone and uploaded in Southern Railway Youtube channel. For social media purposes around **205 short videos** were made and shared widely.

In an endeavour to showcase #MissionBackHome Shramik Special trains run for the benefit of migrant workers, **photographs of all the 507 Shramik Specials** run by Southern Railway were documented and shared widely in social media and also shared with Railway Board.

The Complaints, grievances and suggestions received from rail users are being monitored closely and forwarded to officials concerned for further action. Close liaison is maintained with various divisions and departments in redressal of social media based public grievances. Every endeavour is made to keep these interactive portals alive by responding real time and thus, upholding the image of Railways.

CAMPAIGN ADVERTISING

Healthy publicity through appropriate media channels is necessary to promote the positive image of Railways. 2 Display advertisements during Hon'ble MR's functions and one display advertisement notifying empanelment of advertising agencies were published during the period from April 2020-March 2021. Further, 780 tender notifications were released in the national and regional newspapers and magazines based on requests received from all the six divisions and HQ offices.

PUBLICITY LITERATURE

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

Multi-coloured brochures, Invitations, folders and posters were published in English, Tamil, Malayalam, and Hindi to mark specific occasions, especially inauguration of new projects/train services by Hon'ble Minister of Railways.

Over 1200 brochures were brought out during the year for special events that include GM's New Year Message, GM's appeal to employees on COVID precautions, Invitation Card for Hon'ble MR function and Souvenir ticket to the State of Unity (Kevadiya) marking Hon'ble PM's flagging off of service from Chennai to Kevadiya.

4500 copies of Pamphlets and posters, 15 banners were printed in English, Tamil and Malayalam on COVID awareness and Swachhata Pakhwada.

As per the instructions of Railway Board, as a pre-budget exercise, booklets were printed state-wise for Tamil Nadu and Kerala elaborating the achievements of the zone during 2014-21. Constituency-wise booklets detailing the achievements of Southern Railway was compiled for all the 60 constituencies in the zone's jurisdiction. Indian Railways Achievement booklet is also translated in Tamil and Malayalam and widely circulated for extensive coverage.

Two e-booklets were drafted and released by PR wing of Southern Railway during 2020-21. 'Progress amid the Pandemic' e-booklet released in July 2020 elaborated on the significant achievements of Southern Railway during COVID first wave and lockdown in 2020. Another e-booklet on Safety performance of Southern Railway was released in August 2020 detailing the important safety works carried out during the period.

Indian Railway Magazine and Bharatiya Rail Hindi Magazine are used as a platform to constantly update various developments in the zone.

For the first time, Southern Railway's achievements and important events are being exhibited on 'Photo Display Board' at the entrance of Southern Railway Headquarters Office and near General Manager's Office. Besides, Important photographs are also scrolled on an LED TV placed in the entrance of Southern railway Headquarters.

Special arrangements made by Southern Railway to broadcast jingles/educative video clippings at Railway Station CCTVs/LED TVs as advised by Election Commission as part of Voter Awareness Programme. Further, Standees and flex banners carrying Election Commission's awareness messages were exhibited at important stations over the zone.

EXHIBITIONS

Railway pavilions at the various Tourist/Trade fairs across the country have been attracting vast crowds every year. As part of PR exercise, Southern Railway participated in a number of exhibitions during the year which was used as a platform to showcase the golden heritage of Railways and the trending technologies deployed by the modern Railway system. Exhibitions were also used as perils of foot board travel and Level crossing safety. Artifacts, miniature train/loco models, flex banners, vintage exhibits, etc., were displayed drawing scores of rail enthusiasts, children and students. However, in 2020-21, owing to the pandemic, Exhibitions were not conducted physically as part of COVID restrictions.

However, Southern Railway participated in the online Expo for Skoch Awards and bagged 'Silver' medal for excellence in response to COVID.

Important functions organized by Southern Railway during 2020-21.

Sl. No.	Date	Important Events
1.	27th January, 2021	PM Function : Inaugural run of Train No. 09119 Dr. MGR Chennai Central – Kevadiya superfast inaugural soecial train flagged off by Shri Narendra Modi, Hon'ble PM of India through VC along with 7 other trains from various parts of the country to Kevadiya. Also dedicated to the Nation Chandod - Kevadiya new Broad Gauge railway line, newly electrified Pratapnagar – Kevadiya section and the new station buildings of Dabhoi, Chandod and Kevadiya.

Sl. No.	Date	Important Events
2.	14th February 2021	PM Function : Dedication of Chennai Beach – Attipattu 4th line and Villupuram – Cuddalore – Mayiladuthurai – Thanjavur and Mayiladuthurai – Thiruvavur Electrification a Nehru Indoor Stadium Chennai by Shri Narendra Modi, Hon'ble PM along with Shri Banwarilal Purohit, Governor, Tamil Nadu, Shri Edappadi Palaniswami, CM of Tamil Nadu, Shri O. Paneer Selvam, Dy. CM, Tamil Nadu and other dignitaries. Local functions – Chennai Beach and Thanjavur – Inaugural freight specials flagged off by PM.
3.	21st February 2021	Shri Piyush Goyal, MR thru VC Dedication/Inauguration of passenger amenities in Tamil Nadu and Kerala. Tamil Nadu Dedication : Escalator at Mambalam, Thiruvallur, Erode and Thanjavur Railway stations. Lift facility at Coimbatore Railway station. Foot Over Bridges at Ambattur, Arakkonam, Elavur, Mettupalayam, Tiruppur, Gangaikondan, Kadayannallur and Vanchi Maniyachi Railway stations. Video Surveillance System at Thirumailai, Pazhavanthangal, St. Thomas Mount, Chengalpattu, Villupuram, Kumbakonam, Mayiladuthurai, Thanjavur, Dindigul, Kovilpatti, Virudhunagar, Tirunelveli, Tuticorin, Kanniyakumari, Nagercoil Jn., Erode, Salem Jn. and Tiruppur Railway stations with centralized monitoring system at Chennai Double discharge Platform at Guindy Railway Station. Passenger Convenience Facility and ATM Complex at Maduari Railway station. Inauguration : Escalator at Chennai Egmore and 2 Nos. at Tambaram Railway Stations. Lift 2 Nos. at Nagercoil Jn. Railway Station. Foot Over Bridge at Mambalam and Nagercoil Town Railway Stations. Second Entry Circulating Area and Booking Office at Arakkonam Railway Station. Multi Level Two Wheeler Parking at Katpadi Railway Station. Station Building and PRS Centre at Nagercoil Town Railway Station.

Sl. No.	Date	Details
		Kerala 1. Dedication/Inauguration - Lifts 2 Nos. each at Kankhangad and Aluva Railway Station. 2. Dedication to the Nation – Foot Over Bridge at Kochuveli, Kollam, Kundara Railway Stations. 3. Dedication to the Nation – Video Surveillance System at Alappuzha, Aluva, Chengannur, Ernakulam Town, Kayankulam, Kottayam, Tiruvalla, Vadakara, Kannur, Kasargod, Palakkad Jn., Tirur, Thalasseri, Kankhangad and Payyanur Railway Stations with Central Monitoring System at Chennai. 4. Dedication to the Nation – Water treatment plant at Kochuveli Railway Station. 5. Dedication to the Nation – 100 Kwp Solar Plant and Airport type illumination in covered platform areas of Thirur Railway Station. 6. Dedication to the Nation – Airport type illumination in covered platform areas of Thiruvananthapuram Railway Station. 7. Inauguration of Raised platforms (PF 1, 2 and 3) at Tanur.

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 2020-21, ZRUCC and DRUCC meeting has not conducted due to Covid-19.

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

Preventive Checks conducted :

During the year 2020 - 2021, **1473** 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 2018-19)	No. of checks (in 2019-20)	No. of checks (in 2020-21)
Accounts	48	30	31
Civil Engineering	105	97	81
Electrical Engineering	67	64	80
Mechanical Engineering	68	80	56
Medical	34	26	14
Personnel	129	79	53
Security	40	29	2
Signal & Telecomm.	68	68	72
Stores	95	120	112
Commercial/Operating	2536	2324	920
Others	3	0	72
Total ..	3193	2917	1473

In order to augment the checks made in mass contact areas, the vigilance organization also conducts checks on tout activities. During the financial year 2020-21, a total of 313 vigilance checks had been conducted and 22 touts/ anti-social elements were apprehended and prosecuted. Tickets to the value of Rs.38,445/- were seized and an amount of Rs. 12,000/- had been realized as fine. In addition to this, 55 vendors were apprehended as a result of checks on unauthorized vendors and a total of Rs. 27,505/- had been realized as fine.

Year	Tout Checks		Checks on Unauthorized Vendors	
	No. of checks	Amount realized	No. of checks	Amount realized
2018-19	594	10.82	1302	6.33
2019-20	607	14.19	1231	4.40
2020-21	313	0.50	55	0.27

System Improvements suggested

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

Details	2018-19	2019-20	2020-21
No. of System Improvements suggested	19	23	12

Details of the System improvements suggested by Vigilance during the year 2020 -2021 are listed below.

Sl. No.	Department	Nature of System Improvement
1	Engineering	Maintenance of records and management of agreements for way leave facilities. Details : Based on the finding of an investigation, PCE/MAS was advised on 17.06.2020 to issue suitable guidelines for proper management of way leave facility agreements and maintenance of records in Divisional & Field Offices as a System Improvement.
2	Engineering	Periodic joint surprise checks by field officials, to identify subletting of staff quarters. Details : PCPO/MAS has been advised on 25.09.2020 to issue suitable guidelines for periodic joint surprise checks by field officials, to identify subletting of staff quarters.
3	Engineering	Regarding revision and updation of Railway land plan in line with the latest approved plans issued by Revenue Authorities. Details : The PIDPI complaint investigation in the aspect of encroachment at ICF/CLUB area/ PER has been completed. The matter has been brought to the notice of PCE/MAS with advice to issue suitable guidelines/instructions to MAS division for revising and updating the Railway land plan in line with the latest approved plans issued by Revenue Authorities as system improvement dated 04.02.2021.
4	Engineering	Incorporation of Condition in Works Contract Agreements of Open Line for setting up of Field Test Laboratory. Details : Further to the preventive check conducted on the works of MAS Division - MAS to GDR section - Provision of LHS in lieu of LC (33 Nos.) under Umbrella work 2019-20 in between SPR and GDR stations on 09.10.2020, PCE/MAS has been addressed on 15.03.2021 to suggest Incorporation of Condition in Works Contract Agreements of Open Line for setting up of Field Test Laboratory.
5	Mechanical	Revision of quantum of penalty applicable due to absence of tool kit with OBHS contractor staff. Details : Looking at the utility and importance of Tool kit with OBHS contractor staff, it is considered that the quantum of penalty (Rs.100/-, paltry one) be revised suitably so as to have severe financial impact on the contractor more so when passenger safety and comfort have to be ensured and that high volume of payment was involved in OBHS contract. Hence, PCME/ S.Rly was advised on 23.08.2020 that the quantum of penalty applicable due to absence of tool kit with OBHS contractor staff is to be revised and the relevant penalty clause of tenders /contracts of all divisions also to be reviewed and revised accordingly.

Sl. No.	Department	Nature of System Improvement
6	Personnel	Instructions to avoid possession of mobile phones during departmental examinations. Details : During a departmental written examination for the post of TE, it was detected that some candidates were in possession of mobile phones with them in the examination room. Hence, system improvement was suggested on 26.08.2020 that strict instructions have to be given in all stages viz., notification, call letter etc., in this regard and also for frisking before examination by the RPF Personnel.
7	Personnel	Mentioning the eligibility of DR in PPO and other related documents. Details : To avoid ineligible payment of DR for the pensioners who are technically resigned from Railways, it was suggested to PCPO/MAS on 04.06.2020 to instruct all concerned to mention the eligibility of DR in PPO and other related documents.
8	Signal & Tele.	Separation of schedule for training of any equipment Details : Based on an investigation, the following system improvement was advised to PCSTE/ S.Rly on 14.05.2020. ✱ Whenever supply, installation and commissioning of any equipment is catered in any schedule of work, the requirement of training, if any, should not be clubbed with it. Provision of Training should be kept under a separate schedule and rate adopted should be on "per employee – per day" basis, including/ excluding provision of supply of Training materials, if any. If training materials are required during training, it should be clearly stated in the schedule. ✱ The above may be adopted even if training is to be catered in small value contract, i.e. quotation based works contract, etc.
9	Signal & Telecomm.	Payment against schedules with break-up list Details : If a tenderer submits or is required to submit a break-up list against any schedule, then : (i) While submitting break-up list against the concerned schedule of the tender, tenderer shall ensure that, to the extent possible, all items to be supplied against the tender schedule are included/ mentioned in the break-up list. (ii) If items in schedule break-up list are provided with the individual rates, and if the total accepted value of the break-up list is equal to or more than 90% of the accepted value of tender/ contract schedule, then:

Sl. No.	Department	Nature of System Improvement
		➤ It shall be assumed that the items which are indicated in the schedule but have not been listed in the break-up details, all such items shall be supplied by the tenderer/contractor without any additional cost with the applicable criteria or inspection clause. ➤ There shall be a deduction of 10% from all the part bills against this schedule. Procedure for release this balance amount shall be as follows : ❖ It shall be released along with the final bill or on complete execution of the schedule of the work. ❖ Supervisor-in-charge shall issue certificate clearly stating that : “ All the items mentioned in the schedule no. [...] and its break-up list have been supplied. Also supply, installation, testing and commissioning wherever and whichever applicable has been completed in all respects.” (iii) If items in schedule break-up list are provided with the individual rates, and if the total accepted value of the break-up list is less than 90% of the accepted value of tender/contract schedule, then procedure for full payment for the tender/ contract schedule shall be as follows : ❖ It shall be released along with the final bill or on complete execution of the schedule of the work. ❖ Supervisor-in-charge shall issue certificate clearly stating that : “ All the items mentioned in the schedule no. [...] and its break-up list have been supplied. Also supply, installation, testing and commissioning wherever and whichever applicable has been completed in all respects.”
10	Signal & Tele.	Provision of Escalation Matrix of contract officials of the Agency/ Company in AMC/ARC contractors. Details : PCSTE/S.Rly was advised on 17.03.21 on provision of Escalation Matrix of contract officials of the Agency/Company in AMC/ ARC contractors and penalty provision in case of no response.
11	Signal & Tele.	Maintenance of Old/Released items and new items in case of planned replacement of S&T assets. Details : System Improvement was advised on 04.03.21 regarding maintenance of details of the Old/Released items and new items in case of planned replacement of S&T assets, such as Battery Bank, Axle Counters, IPS, etc.
12	All Depts.	Regarding safe custody of imprest cash. Details : During the check, the staff who is maintaining cash imprest had shown the balance amount from his personal wallet instead of keeping the same in safe custody in a cash box with locked condition. Hence, System correction dated 28.12.2020 was sent to all PHODs and HODs to ensure the safe custody of imprest cash.

(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

➤ Investigation of the Complaint

During the year 2020–21, 142 complaints were taken up for investigation and 128 complaints have been investigated which resulted into 3 cases of DAR (1 Major penalty DAR and 2 Minor penalty DAR) action against Gazetted officers and 18 cases of DAR (10 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		2018-19	2019-20	2020-21
No. of complaints taken-up for investigation		109	109	142
No. of complaints investigated		138	110	128
Major penalty proceedings initiated	Gaz	0	0	1
	Non Gaz	12	14	10
Total		12	14	11
Minor penalty proceedings initiated	Gaz	1	0	2
	Non Gaz	22	8	8
Total		23	8	10

➤ Punitive Action taken

The Inquiry Organization functioning under SDGM & CVO has completed 28 departmental inquiries during the year 2020 – 2021 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	2018-19	2019-20	2020-21
Gaz.	Major	6	6	1
	Minor	3	1	4
	Total	9	8	5
Non-Gaz	Major	73	107	46
	Minor	412	393	258
	Total	485	500	304

➤ **Earning Accrued due to Vigilance actions**

Earnings accrued during year 2020-2021 was Rs.2,36,45,584/-. The break-up of the earnings in various years are as follows :

Sl. No.	Details of earnings	Amount (in Rs.)		
		2018-19	2019-20	2020-21
1	Earnings from without ticket passengers	3,46,345	5,720	34,495
2	Earnings from Transfer of Tickets	8,045	8,765	..
3	Earnings from un-booked luggage/ parcels	-	-	819
4	Earnings from undercharges realized	79,11,377	95,23,264	71,74,701
5	Earnings from excess/ shortfall in Govt. cash	1,20,365	59,009	32,597
6	Other traffic recoveries	15,87,303	27,03,901	83,639
7	Leave Account / Establishment matter	26,90,446	1,02,08,320	1,37,75,512
8	Stores related recovery	-	1,34,28,005	24,22,409
9	Technical recoveries	74,57,160	18,52,152	1,01,412
10	Amount realized as fine by Court of Law	1,64,300	72,900	20,000
	Total	2,02,85,341	3,78,62,036	2,36,45,584

(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	2018-19	2019-20	2020-21
No. of Seminars & Workshops	112	154	92

Break-up wise details of the Vigilance-Awareness Programmes conducted during the year 2020-21 are as follows :

Department	Conducted by VOs	Conducted by CVIs	Total
Accounts, Personnel &	5	4	9
Medical			
Electrical	-	1	1
Engineering	-	3	3
Mechanical	-	1	1
Signal & Telecomm.	2	1	3
Stores	-	39	39
Traffic	23	13	36
Total	30	62	92

➤ **Observation of Vigilance Awareness Week 2020**

- ❖ Vigilance Awareness Week was commenced on 27.10.2020 by administering (e-pledge) at Southern Railway, Headquarters Office by Shri. John Thomas, GM, SR. The function was inaugurated through Video Conferencing. Smt.V.G.Bhooma, Senior Deputy General Manager and Chief Vigilance Officer delivered the Welcome Address and outlined the performance of Vigilance Department. Dr. Baskar Ramamoorthy, Director, IIT, Chennai, who was the Chief Guest, delivered the key note address to the participants of the Video Conference on the Theme – **“Vigilant India, Prosperous India” (Satark Bharat, Samridh Bharat)**.
- ❖ The **“Integrity Bulletin 2020”**, a compilation of articles, moral stories, and case studies prepared by vigilance organization of Southern Railway, was jointly released by the Chief Guest and GM/ Southern Railway.
- ❖ During Vigilance Awareness week, case studies showing certain common irregularities noticed by Vigilance during various checks and investigations were highlighted through Power-point presentations.
- ❖ **23 webinars** for open line staff of MAS, TVC, TPJ, MDU and SA divisions were conducted by the team of CVIs of Southern Railway to which around **800 employees** participated.
- ❖ **Text message/SMS** was sent through PRS to around **5.78 lakhs passengers** travelling during the week spreading Vigilance Awareness. **64,231 SMS** were also sent to Supervisors/Officers possessing CUG numbers.
- ❖ **An Online Quiz Competition** was conducted and the link was shared among the open line staff. **2475 employees** participated from all over Southern Railway.
- ❖ **An animated video on Anti-corruption** in three languages (Tamil, Malayalam and Hindi) was released on 27.10.2020 and the same was uploaded in the Youtube Channel for wider reach.
- ❖ Essay writing and Drawing competitions were conducted for the Railway school students over Southern Railway. Around 200 students actively took part in the competitions.

- ❖ **Competition on Short Video compilation**, on the anti-corruption and vigilance theme, was conducted for the first time in this year's celebration for the staff of Southern Railway.

(IV) PERFORMANCE OF ONLINE VIGILANCE CLEARANCE SYSTEM

- ❖ Vigilance furnishes vigilance status (commonly called Vigilance NOC or simply NOC) of an officer/ official from time to time to enable Administration to take further action in accordance with extant rules and regulations governing the purpose for which the vigilance status has been obtained.

- ❖ Vigilance department of Southern Railway has introduced Online Vigilance Clearance System (OVS) w.e.f. August 2019.
- ❖ During the year 2020-21, a total of 7303 applications have been processed and hence SPE/Vigilance status was issued for 29,365 officials through the OVS module. The SPE/Vigilance status was also issued even during covid-19 pandemic period.
- ❖ South East Central Railway (SECR) has also adopted the OVS duly discontinuing the manual system in their Railway.

10. GENERAL MANAGER'S ANNUAL INSPECTION DIVISION WISE 2020-2021

	Date	27-01-2021	03-02-2021	Not carried out due to pandemic	Not carried out due to pandemic	17-02-2021	10-02-2021
2020-21	Section	CGL-AJJ-WJR-Ranipet	ED-TP	MAQ Area including MAQ-PNMB and all yards in MAQ area and NMPT Port	All yards ERS area and ERS-ALLP-KYJ	PUU-TST-TEN	KPD-VM
	Km	118.11	136.43	24.00 + Yards	100.34+Yards	158.13	160.13

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 2020-2021 a total of 308 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 2020-2021, 123 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. 347 employees have been trained during the year 2020-2021 in Hindi Keyboard and they are typing in Hindi also.

5. HINDI WORKSHOP

During the year 2020-2021, 53 Hindi Workshops were conducted all over S.Rly and 1027 Officers/ Employees were trained in the workshop.

6. COMPUTERISATION IN HINDI

There are 4182 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".

During the year, the list of books of Premchand Hindi Library of Head Office has been digitized and made available in Hindi webpage in Railnet with interactive search mode. With this officers and employees of SR can get information about the books of the library from their place of work.

List of registers for commercial, security and operational units of all stations of Southern Railway is made available in bilingual Hindi web page.

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, 84 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 Security, Electrical and Personnel 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 1387 inspections on OL aspect have also been included.

12. ORIGINAL WORK IN HINDI➤ **Noting in Hindi**

During the year 2020–2021, out of 101714 notings, 35826 notings were written in Hindi/Bilingual form in Hqrs office, Divisions & Workshops.

➤ **ENTRIES IN REGISTERS/DIARIES**

During the year 2020–2021, out of 25708 Registers/Diaries, entries in 16801 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 83820 Service Registers, bilingual entries were made in 73667 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, all the Divisions and Workshops of this Railway.

16. SEMINARS IN HINDI

During the year 2020–2021 seminars on various subjects in Hindi were conducted periodically by Hqrs, Divisions & Workshops of Southern Railway During the year under review 44 seminars were conducted.

17. HELP LITERATURES

During the year 2020–2021, 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 71 Hindi Titles were purchased during the year under review for Headquarters. With a view to increase the propagation and utilization of the Hindi books, available in the Hindi Libraries, Hindi competition based on Hindi literateurs was conducted during the year 2020–2021. Due to corona pandemic during the year 2020, a film based on the famous literateur Jaishankar Prasad was screened on line and based on the film an online quiz competition was conducted in which 33 Officers/Employees participated.

19. HINDI WEEK CELEBRATION

Like every year, during the year 2020 also, in order to increase interest in employees towards Hindi and to increase the usage of Hindi in Official work, various Hindi competitions were conducted, but the same were conducted online due to covid-19 pandemic. Along with the usual Hindi Essay, Elocution and Noting and Drafting etc., competitions such as extempore speech, reading, developing the Hints, film analysis, singing, word power were all conducted online and 78 officers/employees attended the same. Apart from this, a competition on Official Language policy was conducted exclusively for the officers by using 3 sets of google forms in which reply had to be given within the predcribed time limit. 42 officers participated in this competition.

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 2020-2021 :

- Meeting of sub-committees of TOLIC was organized Online on 17th June 2020.
- Webinar on “Implementation of Rajbhasha with New Technology” was organized on 10th July 2020. More than 120 participants from member-offices participated in it.
- 18 employees participated in the Elocution competition held online on 4th August 2020.
- 17 participants participated in the Book Review competition held online on 13th August 2020.
- 17 participants participated in the Debate competition held online on 14th August 2020.
- All India webinar on BhagwatiCharanVerma-Vyakitwaaurkrutitwa was organized Online on 28th August 2020. It was attended by 75 participants.
- On 09th October 2020, 38 and 33 participants participated in the essay competition and noting and draft writing competition respectively conducted online.
- 28 participants participated in the Shabd-Shakti competition held online on 12th October 2020. Similarly, 24 participants participated in the Shabd-Shakti competition held online on 12th October 2020. On 29.08.2019, 23 and 18 participants respectively participated in the Elocution competition held online on 13th October 2020.
- From 19th October 2020 to 23rd October 2020 a training programme on “Use of Rajbhasha Tools on Computer” was organized Online by the Ordnance Factories Training Institute, Avadi for Hindi officers and translators of the member-offices. 27 participants benefited from this training.
- All India webinar on the subject of “Official Language and Artificial Intelligence” was organized on 19th October 2020. 155 participants took part in it.
- All India webinar on the subject of “Translation in Kantasth” was organized on 20th October 2020. 110 participants participated in it.
- Meeting of sub-committees of TOLIC was held on 27th October 2020.
- TOLIC meeting was held on 20th January 2021. 102 member offices participated in it. In this meeting, the TOLIC Rajbhasha magazine “Pallavika” and “Table Calender” were released.
- A webinar on the topic of “Covid-19” and prevention measures” was organized on 10th February 2021 in which 75 participants from member-offices participated.
- KaviSammelan was organized Online on 16th March 2020 and 18 poets from member offices along with 5 eminent poets participated in this KaviSammelan.

III. वित्तीय परिणाम/FINANCIAL RESULTS

Financial Results

Statement Financial Results to Government Railways for the year 2020-21.

(Figures in thousands of Rs.)

Sl. No.	Particulars		Amount
1.	Gross Earnings	..	40264260
2.	Ordinary Working Expenses (excluding suspense)	..	87526333
3.	Appropriation to DRF	..	130000
4.	Appropriation to Pension Fund	..	380000
5.	Total working expenses	..	88036333
6.	Payment to worked lines	..	0
7.	Total Gross expenditure	..	88036333
8.	Net Traffic Receipts	..	-477772073
9.	Percentage of Ordinary Working Expenses and appropriation to D.R.F. and Pension Fund on Gross Earnings. (Operation Ratio)	..	..
10.	Net Miscellaneous Receipts	218.65%	80822
11.	Net Earnings Receipts	..	-47691251
12.	Percentage of Net Revenue Receipts on the Capital-at-Charge	-24.19%	..
13.	Payment to General Revenue Dividend	..	0
14.	Net Loss	..	47691251
15.	Total Capital at Charge	..	197119003
16.	Percentage of Net Loss on Capital-at-Charge	24.19%	..

Capital-at-Charge, Revenue Earnings and Expenses for the Year 2019-20 and 2020-21

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	2020-21	
4.	Capital-at-Charge	186968640	197119003	
5.	Gross Earnings	81890179	40264260	
6.	Working Expenses : (Excl. Suspense and including Appn. to DRF & Pension Fund)	119935542	88036333	
7.	Net Earnings (Col. 5-Col. 6)	-38045363	-47772073	
8.	Percentage of working expenses to Gross Earnings.	146.46%	218.65%	
9.	Percentage of Net Earnings to Total Capital-at-Charge. (Col. 7x100/Col. 4)	-20.35%	-24.24%	

2. Traffic receipts

The details of Revenue Receipts for 2020-21 and 2019-20.

(Figures in lakhs of `)				
Heads of Traffic	2019-20	2020-21	Variation	% Variation
Passenger	458677	97702	-360975	-78.7%
Other Coaching	45915	15127	-30789	-67.1%
Goods	275538	260404	-15135	-5.5%
Sundry	38771	29410	-9361	-24.1%
Total	818902	402643	-416259	-50.8%
Traffic Account	878	619	-260	-29.6%
Demands Recoverable	-1078	102	1179	109.4%
Goods Traffic Receipts	818702	403363	-415340	-50.7%

(d) Sundry - Revenue for 2020-21 with 2019-20

(Rs. in lakhs)				
Particulars	2019-20	2020-21	Variation	% Variation
Right of way/way leave for others and Right of way (OFC and other purpose)	6,844	2,900	-3944	57.6%
Land Lease	4,205	9,179	4,974	118.3%
Car/Scooter Parking station	3,771	456	-3,315	-87.9%
Advertisement and Publicity.	1,936	569	-1,367	-70.6%
Sale of damage goods unserviceable revenue Scrap.	2,059	2,116	57	2.8%
Receipts from Catering Department	5,748	885	-4,863	-84.6%
Interest and maintenance charge.	6	0	-6	-100.0%
Other Sundry Earnings	14,202	13,305	-897	-6.3%
Total	38,771	29,410	-9,361	-24.1%

3. Coaching Earnings**(a) Passenger Revenue under important Heads During 2020-2021 with 2019-2020**

Particulars	Traffic		Earnings		Difference		Percentage of Variation	
	2019-2020		2020-2021					
	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	483	3,436	85	1,199	-398	-2238	-82.4	-65.1
Air-conditioned 2-Tier	4,700	31,880	889	6,560	-3811	-25320	-81.1	-79.4
Air-conditioned 3-Tier	16,768	90,492	3,159	18,821	-13609	-71671	-81.2	-79.2
A. C. Chair Car ..	5,306	22,446	1,038	5,121	-4268	-17324	-80.4	-77.2
First Class—								
(a) Mail/Express ..	..	..	..	6	..	..	..	..
(b) Ordinary ..	619	381	114	91	-505	-290	-81.6	-76.2
Total ..	619	381	114	97	-504	-284	-81.5	-74.6
Second Class Sleeper—								
(a) Mail/Express ..	65,981	1,44,807	16,416	40,413	-49564	-104394	-75.1	-72.1
(b) Ordinary ..	379	837	-9	-8	-387	-845	-102.4	-101.0
Second Class Ordinary—								
(a) Mail/Express ..	1,38,186	1,18,259	18,746	21,885	-119441	-96375	-86.4	-81.5
(b) Ordinary ..	2,96,616	26,006	9,770	855	-219846	-25151	-95.8	-96.7
Total Non-Suburban ..	4,62,036	4,38,545	50,207	94,943	-411829	-343602	-89.1	-76.4
B. Suburban								
First Class (Ordinary)	116	118	8	7	-109	-111	-93.5	-93.7
First Class (Season)	12,027	1,563	1,240	142	-10787	-1420	-89.7	-90.9
Second Class (Ordinary)	1,78,469	12,718	23,482	1,703	-154988	-11014	-86.8	-86.6
Second Class (Season)	1,93,037	5,734	31,342	906	-161695	-4828	-83.8	-84.2
Total Suburban	3,83,650	20,132	56,071	2,759	-327579	-17373	-85.4	-86.3
Grand Total	8,45,686	4,58,677	1,06,278	97,702	-739407	-360975	-87.4	-78.7

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

(b) Goods Revenue under important Heads during 2020-21 with 2019-20

Sl. No.	Particulars	Tonnes carried in millions		Revenue Rs. in lakhs	
		2019-20	2020-21	2019-20	2020-21
A. Revenue Earnings Traffic:—					
1.	Products of Agriculture..	9.070	11.971	44572	59710
2.	Animals & Products of Animals.	0.000	0	0	0
3.	Products of Mines ..	20.760	16.033	117764	83019
4.	Mineral Oil ..	4.910	4.360	27970	22448
5.	Products of Forests ..	0.071	0.056	317	241
6.	Manufactures ..	10.681	11.198	47124	48744
7.	Miscellaneous ..	8.881	9.496	37482	46164
8.	Total Revenue traffic..	54.373	53.134	275230	260325
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 ..	0.212	0.050	308	79
(b)	For other Govt Rlys., etc.	0.000	0.00	0.00	0
11.	Total Non-Revenue ..	0.212	0.050	308	79
12.	Grand Total Revenue and Non-Revenue	54.585	53.184	275538	260404

(c) Other Coaching Revenue under important heads during 2020-21 compared with 2019-20.

(Rs. in lakhs)				
Sl. No.	Particulars	2019-20	2020-21	Variation
1.	Special Trains and reserved carriages (Public).	2,836	526	-2,310
2.	Special Trains and reserved carriages (Military).	1,027	1,016	-12
3.	Luggage collected at stations	878	185	-693
4.	Luggage collected by special ticket checking staff.	315	41	-274
5.	Public Parcels ..	11,244	6,966	-4,278
6.	Transport of Mails ..	2,299	517	-1,782
7.	Service Parcels ..	0	0.00	0.000
8.	Miscellaneous ..	27,316	5,877	-21,440
	Total ..	45,915	15,127	-30,788
	Less Refunds ..	0	0	0
	Net Other Coaching Earnings ..	45,915	15,127	-30,788
	Total Coaching Earnings ..	5,04,593	1,12,829	-3,91,764

4. (a) Passenger Revenue Under Heads During 2020-21 with 2019-20								
No. of Passenger Carried					Revenue from Passenger Carried			
Particulars	2019-20	2020-21	Variation	% Variation	2018-19	2019-20	Variation	% Variation
Suburban					Suburban			
Season					Season			
Season-I	12027	1240	-514	-4.1% ▼	1563	142	-1420	-90.9% ▼
Season-II	193037	34342	-12600	-6.1% ▼	5734	906	-4828	-84.2% ▼
Total	205064	32582	-13115	-6.0% ▼	7296	1048	-6248	-5.6% ▼
Non-Season					Non-Season			
Season-I	116	8	3	3.0% ▼	118	7	-111	-93.7% ▼
Season-II	178469	23482	-13734	-7.1% ▼	12716	1703	-11014	-86.6% ▼
Total	178586	23489	-13731	-7.1% ▼	12836	1711	-11125	-86.7% ▼
Sub-Total	383650	56071	-26845	-6.5% ▼	20132	2759	-17373	-86.3% ▼
Non-Suburban					Non-Suburban			
Season					Season			
Season-I	497	92	-34	-6.4% ▼	106	20	-86	-81.5% ▼
Season-II	127487	6086	-6004	-4.5% ▼	6738	309	-6429	-95.4% ▼
Total	127984	6178	-6038	-4.5% ▼	6843	328	-6515	-95.2% ▼
Non-Season					Non-Season			
AC I	310	71	-239	-81.4% ▼	1907	1031	-877	-46.0% ▼
Exec Class	172	13	-159	-95.2% ▼	1529	168	-1361	-9.0% ▼
AC II	4700	889	-3811	-81.1% ▼	31880	6560	-25320	-79.4% ▼
FC Exp	0	0	0	0	0	6	6	
FC Ody	122	21	-100	-82.3% ▼	275	71	-204	-74.1% ▼
AC III	16768	3159	-13609	-81.2% ▼	90492	18821	-71671	-79.2% ▼
CC	5306	1038	-4268	-80.4% ▼	22446	5121	-17324	-77.2% ▼
SL M/E	65981	16416	-49564	-75.1% ▼	144807	40413	-104394	-72.1% ▼
SL Ordy	379	-9	-387	-102.4% ▼	837	-8	-845	-3.0% ▼
II M/E	138186	18746	-119441	-86.1% ▼	118259	21885	-96375	-81.5% ▼
II Ordy	102129	3684	-98445	-96.4% ▼	19269	546	-18722	-97.2% ▼
Total	334052	44029	-290023	-86.8% ▼	431702	94614	-337087	-78.1% ▼
N-Sub-Total	462036	50207	-411829	89.1% ▼	438545	94943	-343602	-78.4% ▼
Total	845686	106278	-739407	87.4% ▼	458677	97702	-360975	-78.7% ▼

4. b. Goods - Traffic Revenue for 2020-21 with 2019-20								
Loading					Revenue			
(In Million Tonnes)					(Rs. in Lakhs)			
Commodity	Actuals	Actuals	Variation ▲		Commodity	Actuals	Variation ▲	
	2019-20	2020-21	P.Y	P.Y	2019-20	2020-21	P.Y	P.Y
Coal	17.954	11.971	-5.983	-33.3% ▼	106357	70763	-35594	-33.5% ▼
Cement	4.785	5.665	0.880	18.4% ▲	22537	26907	4370	19.4% ▲
Foodgrains	8.426	11.196	2.770	32.95 ▲	41128	55534	144067	35.0% ▲
Fertilizers	4.363	4.982	0.619	14.2% ▲	24675	27652	2977	12.1% ▲
POL	4.911	4.360	-0.551	-11.2% ▼	27967	2448	-5519	-19.7% ▼
RMSP	0.741	1.922	1.181	159.4% ▲	2362	4364	2002	84.8 ▲
Iron & Steel	5.371	4.885	-0.486	-9.0% ▼	23239	20720	-2519	-10.8% ▼
Iron Ore	1.593	1.663	-0.070	4.4% ▲	7351	6283	-1068	-14.5% ▼
Container	2.529	2.474	-0.055	-2.2% ▼	1252	6025	4773	381.2% ▲
Others	3.700	4.016	0.316	8.5% ▲	18362	19629	1267	6.9% ▲
Revenue	54.373	53.134	-1.239	-2.3% ▼	275230	260325	-14905	-5.4% ▼
Non-Rev	0.212	0.050	-0.162	-76.4% ▼	308	79	-229	74.4% ▼
Total	54.585	53.184	1.401	-2.6% ▼	275538	260404	-15134	-5.5% ▼

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

De-mand No.	Abstract	Particulars	2019–2020	2020–2021
(3) A	General Superintendence and Services	68,42,378	62,86,545	
(4) B	Repairs and Maintenance of Permanent Way and Works.	1,09,11,680	1,11,99,837	
(5) C	Repairs and Maintenance of Motive Power	49,63,976	36,51,199	
(6) D	Repairs and Maintenance of Carriage and Wagon.	1,31,95,702	11,781,173	
(7) E	Repairs and Maintenance of Plant and Equipment.	62,01,551	52,14,208	
(8) F	Operating Expenses—Rolling Stock & Equipment.	1,11,73,751	85,56,224	
(9) G	Operating Expenses—Traffic..	1,84,16,562	1,71,91,554	
(10) H	Operating Expenses—Fuel	1,86,43,572	93,09,134	
(11) J	Staff Welfare and Amenities ..	63,17,521	62,06,742	
(12) K	Miscellaneous working expenses	50,43,740	51,43,650	
(13) L	Net Provident Fund, Pension and other Retirement Benefits.	27,38,109	29,86,067	
	Total ..	10,44,48,542	8,75,26,333	
Suspense—				
(12) N.	Demands Payable (DR.)	-2,91,903	1,01,458	
(12) N.	Miscellaneous Advances Revenue	-23,82,549	-3,55,840	

(iii) The particulars of additional investment on the Line Capacity Works and Traffic Facility Works during the year 2020-2021 as compared to the previous year 2019-2020 are furnished below. A Statement showing plan - headwise expenditure break - up for the above is also enclosed.

(Net figures in thousands of ₹)				
			2019-2020	2020-2021
(1) Capital	..	..	29,92,280	3,68,476
(2) D. R. F.	..	..	-24,256	23,514
(3) D. F.	..	..	47,708	63,906
(4) Capital Fund	..	..	0	0
(5) EBRIF	..	..	1,51,99,407	1,28,15,803
(6) EBR S	..	..	0	38,50,510
(6) RSF	..	..	4,74,579	0
(7) RRSK	..	..	91,529	-150
Total	..	..	1,87,74,247	1,71,22,059

Plan headwise expenditure breakup (Net figures in thousand of Rs.)									
2019-2020	Capital	DRF	DF	Capital Fund	EBRIF	EBR S	RSF	RRSK	Total
Gauge Conversion	2,55,94,485	-24,201	0	0	0	0	474579	0	30,09,863
Doubling	3,12,634	-55	0	1,51,99,407	0	0	0	155,11,986	
Tfc. Facilities	1,20,161	0	40,708	0	0	0	0	91,529	2,52,398
Total	29,92,280	-24,256	40,708	0	1,51,99,407	0	474579	91,529	1,87,74,247
2020-2021	Capital	DRF	DF	Capital Fund	EBRIF	EBR S	RSF	SRSF	Total
Gauge Conversion	72,155	-42,690	-211	0	0	29,99,875	0	0	30,29,128
Doubling	2,96,321	-13,884	0	1,28,15,803	6,98,897	0	-150	1,37,96,989	
Tfc. Facilities	0	80,087	64,117	0	0	1,51,737	0	0	2,95,942
Total	3,68,476	23,514	63,906	0	1,28,15,803	3850510	0	-150	1,71,22,059

5. Capital

Statement showing the Capital-at-charge at the end of 31st March 2021 compared with 31st March 2020 is shown the Capital-at-charge of this Railway stood at Rs. 186968640 (figures in thousands) at the end of 31st March, 2020 as against Rs. 197119003 (figures in thousands) at the end of 31st March 2021 :—

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

(Figures in lakhs of ₹)

Liabilities	As on 31st March			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	133				
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	-1,808,436	-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	1,6,468	2,8,313	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 2021 is given below —

(Figures in thousands of ₹)

Sl. No.	PARTICULARS	Capital at charge as on 31st March 2020	Capital at charge as on 31st March 2021
11.	New Line Construction ..	2,25,67,383	2,27,44,289
12.	Purchase of New line ..	1,31,779	1,31,779
13.	Restoration of dismantled line	-89	-89
14.	Gauge conversion ..	4,94,41,997	4,95,16,600
15.	Doubling ..	3,19,09,927	3,22,13,797
16.	Traffic facilities & Yard Remodelling	21,81,157	21,81,157
17.	Computerisation ..	86,328	86,328
21.	Rolling Stock ..	3,74,43,320	3,74,43,320
22.	Leased Assets..	3,16,75,299	402,25,604
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 ..	9,71,807	9,71,807
37.	Traction Distribution ..	78,312	78,312
41.	Machinery and Plant ..	8,14,233	8,27,495
42.	Workshop including production units	40,65,307	40,65,307
51.	Staff Quarters..	6,01,195	6,01,093
52.	Amenity for Staff ..	66,352	66,352
53.	(i) Passenger Amenities	5,94,405	5,94,405
	(ii) Other Railway users' Amenities.	-13	-13
62.	Investment in Government/Commercial undertaking Public services.	0	0
64.	Other specified works ..	6,75,135	6,00,142
71.	Suspense ..	2,42,88,699	2,25,91,558
	Deduct Receipt on Capital Account	3,64,416	3,74,503
	Total Capital at charge	20,89,61,108	21,89,97,734

(c) Other Coaching – Revenue for 2020-21 with 2019-20.

Sl. No.	Particulars	2019-20	2020-21	Variation	% Variation
1.	Special Trains and Reserved Carriages.	3,863	1,542	-2,321	-60.1%
2.	Luggage ..	1,192	226	-966	-81.01%
3.	Parcels ..	11,244	6,966	-4,278	-38.0%
4.	Other Coaching Traffic	5	1	-4	-77.3%
5.	Transport of Post Office Mails.	2,299	517	-1,782	-77.5%
6.	Miscellaneous Coaching Receipts.	27,312	5,874	-21,438	-78.5%
	Total ..	45,915	15,127	-30,789	-67.1%

8. The Position of the funds maintained by the Southern Railway for 2020-2021 is indicated below—

(Figures in thousands of ₹)

Nature of Fund Accounts	Opening balance as on 1st April 2020	Appropriation during the year 2020-2021 including interest and transfers without financial adjustment	Withdrawal from the fund Actual Expenditure	Balance as on 31st March 2021
1. Depreciation Reserve Fund.	3,12,44,555	11,85,810	5,39,895	3,18,90,470
2. Pension Fund	-18,08,43,586	5,27,60,621	4,70,68,538	-17,51,51,503

9. The sources of funds from which expenditure on works met during the year 2019-2020 and 2020-2021.

(Figures are Net and in thousands of Rupees)

	2019-2020	2020-2021
1. Capital (including Transfers without Financial Adjustment)	1,75,11,341	1,01,50,364
2. Depreciation Reserve Fund ..	3,52,047	5,39,895
3. Development Fund * ..	8,04,024	8,08,628
4. Railway Safety Fund ..	22,40,028	-568
5. Special Railway Safety Fund ..	0	0
6. RRSK-RASHITRIYA RAIL SANRAKSHA KOSH	1,04,37,435	2,71,618
7. EBR IF ..	1,51,99,407	1,28,15,803
8. EBR S ..	0	2,20,42,534
9. EBR IRFC ..	0	1,30,64,302
10. Capital Fund ..	0	0
Total	4,65,44,282	5,96,92,576

* Inclusive of Expenditure towards—

	2019-2020	2020-2021
(i) Safety Works D.F. IV ..	3,158	30
(ii) Passenger Amenities Works ..	11,43,357	13,80,722

11. Statement showing the expenditure Plan head wise for the year 2020-2021

Plan Head		Capital		DRF		DF		RSF		CAP-N		RRSK		Capital Covid		EBR-IF		EBR-IRFC (BO)		EBR-SPL		Total	
		Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged
11. New Lines (Construction)	Gross Credit	0	176906	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	644403	0	644403	176906
	Net	0	176906	521	0	0	0	357	0	0	0	0	0	0	0	0	0	0	0	644403	0	644403	176906
14. Gauge Conversion	Gross Credit	20566	54037	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2999875	0	3020441	54037
	Net	18117	54037	42690	0	0	0	211	0	0	0	0	0	0	0	0	0	0	0	2999875	0	2975091	54037
15. Doubling	Gross Credit	232139	71732	0	0	0	0	0	0	0	0	0	0	0	0	12815803	0	0	0	698897	0	13746840	71732
	Net	224590	71732	13884	0	0	0	0	0	0	0	0	0	0	0	12815803	0	0	0	698897	0	13725407	71732
16. Traffic Facilities-Gross yard remodelling & Others	Gross Credit	0	0	80087	0	32044	0	0	0	0	0	0	0	0	0	0	0	0	0	151737	0	263898	32044
	Net	0	0	80087	0	32074	0	0	0	0	0	150	0	0	0	0	0	0	0	151737	0	263748	32044
17. Computerisation	Gross Credit	0	45022	0	34818	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12120	0	91960	0
	Net	0	45022	0	34818	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12120	0	91960	0
22. Leased Assets	Gross Credit	8550304	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8550304	0	8550304	0
	Net	8550304	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8550304	0	8550304	0
29. Road Safety Works - Level Crossings	Gross Credit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	650188	0	650188	0
	Net	0	0	0	0	0	0	0	0	0	0	63	0	0	0	0	0	0	0	650188	0	650125	0
30. Road Safety Works-Roads / Rubs	Gross Credit	0	0	0	0	0	0	0	0	0	0	0	1659	0	0	0	0	0	0	2812192	0	2812192	1659
	Net	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	0	0	0	2812192	0	2812135	1659
31. Track Renewal	Gross Credit	0	0	0	0	0	0	0	0	0	0	0	1685	0	0	0	0	0	0	9277951	0	9277951	1685
	Net	0	0	0	0	0	0	0	0	0	0	892899	0	0	0	0	0	0	0	9277951	0	892899	0
32. Bridge Works	Gross Credit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	682495	0	682495	0
	Net	0	0	1181	0	0	0	0	0	0	0	642	0	0	0	0	0	0	0	682495	0	680673	0
33. Signalling & Telecommunication	Gross Credit	0	0	0	0	0	0	0	0	0	0	40338	12220	0	0	0	0	0	0	2141552	0	2181890	12220
	Net	0	0	1912	0	0	0	0	0	0	0	8855	0	0	0	0	0	0	0	2141552	0	10768	0
36. Other Electrical Works Incl Trd	Gross Credit	0	0	32236	0	4029	0	0	0	0	0	0	0	0	0	0	0	0	0	367675	0	403940	0
	Net	0	0	32236	0	4029	0	0	0	0	0	2714	0	0	0	0	0	0	0	367675	0	2714	0
37. Electrical Traction Works	Gross Credit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41. Machinery and Plant	Gross Credit	0	0	219678	0	14773	0	0	0	0	0	0	13262	0	0	0	0	0	0	106566	0	354279	0
	Net	0	0	219678	0	14773	0	0	0	0	0	0	13262	0	0	0	0	0	0	106566	0	354279	0
42. Workshops Including Production Units	Gross Credit	88	0	58939	0	73546	0	0	0	0	0	0	0	0	0	0	0	0	0	518046	0	650531	0
	Net	-88	0	58939	0	73546	0	0	0	0	0	153	0	0	0	0	0	0	0	518046	0	241	0

11. Statement showing the expenditure Plan head wise for the year 2020-2021

Plan Head	Capital		DRF		DF		RSF		CAP-N		RRSK		Capital Covid		EBR-IF		EBR-IRFC (BO)		EBR-SPL		Total	
	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged	Voted	Charged
51. Staff Welfare	Gross	-102	0125849	0	267642	0	0	0	0	0	0	0	0	0	0	0	0	0	2960	0	396350	0
	Credit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Net	-102	0125849	0	267642	0	0	0	0	0	0	0	0	0	0	0	0	0	2960	0	396350	0
52. Amenities for Staff	Gross	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Credit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53. Customer Amenities	Gross	0	36190	0	246969	6003	0	0	0	0	0	0	0	0	0	0	0	0	665740	0	2041072	6003
	Credit	0	0	0	0	613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	613	0
	Net	0	36190	0	246357	6003	0	0	0	0	0	0	0	0	0	0	0	0	665740	0	2040460	6003
64. Other Specified Works	Gross	0	2081	0	97113	0	0	-74993	0	0	0	0	0	0	0	0	0	0	330645	0	354845	0
	Credit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Net	0	2081	0	97113	0	0	-74993	0	0	0	0	0	0	0	0	0	0	330645	0	354845	0
65. Training/HRD	Gross	0	0	0	227	0	0	0	0	0	0	0	0	0	0	0	0	0	50481	0	50708	0
	Credit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Net	0	0	0	227	0	0	0	0	0	0	0	0	0	0	0	0	0	50481	0	50708	0
21. Rolling Stock	Gross	0	0	0	4	0	0	0	0	139634	0	0	0	0	0	0	0	0	-70989	0	14160703	0
	Credit	0	0	0	0	0	0	0	0	110556	0	0	0	0	0	0	0	0	0	0	1138308	0
	Net	0	0	0	4	0	0	0	0	29078	0	0	0	0	0	0	0	0	-70989	0	13022395	0
Locomotives	Gross	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Credit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carriages	Gross	0	0	0	4	0	0	0	0	139634	0	0	0	0	0	0	0	0	-70989	0	14160703	0
	Credit	0	0	0	0	0	0	0	0	110556	0	0	0	0	0	0	0	0	0	0	1138308	0
	Net	0	0	0	4	0	0	0	0	29078	0	0	0	0	0	0	0	0	-70989	0	13022395	0
Wagons	Gross	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Credit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G-Total	Gross	8802908	302675600082	0	771195	38046	0	-74993	0	0	15563	13262	0	12815803	0	14092055	0	22042534	0	60334990	356284	
	Credit	10086	0	60188	0	613	568	0	0	0	0	0	0	0	0	1027752	0	0	0	2115295	0	
	Net	8792822	302675539895	0	770582	38046	-568	-74993	0	0	15563	13262	0	12815803	0	13064302	0	22042534	0	58219695	356284	
71. Stores Suspense	Gross	6422898	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6422898	0	
	Credit	5420038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5420038	0	
	Net	1002860	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1002860	0	
72. Workshop Manufacturing Suspense	Gross	10100098	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10100098	0	
	Credit	9983286	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9983286	0	
	Net	116812	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116812	0	
73. Misc Advance Capital	Gross	35257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35257	0	
	Credit	30631	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30631	0	
	Net	4626	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4626	0	
G-TOTAL	Gross	25361161	302675600082	0	771195	38046	0	-74993	0	0	15563	13262	0	12815803	0	14092055	0	22042534	0	76893243	356284	
	Credit	15444041	0	60188	0	613	568	0	0	0	0	0	0	0	0	1027752	0	0	0	17549250	0	
	Net	9917120	302675539895	0	770582	38046	-568	-74993	0	0	15563	13262	0	12815803	0	13064302	0	22042534	0	59343993	356284	

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)	0.39	0.39	520.88	520.88	0	0	356.69	356.69	0	0	0	0	0	0	0	0	877.96	877.96
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	2410.74	2449.24	38888.74	42690.07	0	0	211.24	211.64	0	0	0	0	0	0	0	0	41510.72	45350.55
1500 - Doubling	7479.44	7549.14	13854.55	13883.64	0	0	0	0	0	0	0	0	0	0	0	0	21333.99	21432.78
1600-Traffic Facilities-Yard Remodelling & Others	0	0	0	0	0	0	0	0	0	0	0	150.03	150.03	0	0	150.03	150.03	150.03
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	110555.56	110555.56	0	0	110555.56	110555.56	110555.56
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 Crossings	0	0	0	0	0	0	0	0	0	0	0	62.54	62.54	0	0	62.54	62.54	62.54
3000-Road Safety Works-Road Over/Under Bridges.	0	0	0	0	0	0	0	0	0	0	0	57.58	57.58	0	0	57.58	57.58	57.58
3100-Track Renewals	0	0	0	0	0	0	0	0	0	0	0	865551.18	892899.21	0	0	865551.18	892899.21	892899.21
3200-Bridge Works, Tunnel Works and Approaches	0	0	1180.65	1180.65	0	0	0	0	0	0	0	641.54	641.54	0	0	1822.19	1822.19	1822.19
3300-Signalling and Telecommunication	0	0	53.39	1912.28	0	0	0	0	0	0	0	8855.26	8855.26	0	0	8908.65	10767.54	10767.54
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	2713.61	2713.61	0	0	2713.61	2713.61	2713.61
3700-Traction Distribution Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4100-Machinery and Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4200-Workshops including Production Units	87.67	87.67	0	0	0	0	0	0	0	0	0	153.11	153.11	0	0	240.78	240.78	240.78

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

FUND PLAN HEAD	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	612.51	0	0	0	0	0	0	0	0	0	0	0	612.51
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:	9978.24	1008644	54498.21	60187.52	0	612.51	567.93	567.93	0	0	0	0	988740.41	1016088.44	0	0	1053784.79	1087542.84

TO END OF THE MONTH MARCH 2021												
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	0 176906.27	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 176906.27
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	20566.35 54037.49	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	20566.35 54037.49
15.Doubling	VOTED CHARGED	232138.88 71731.57	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	232138.88 7173157
16.Traffic facilities- Yard remodelling & Others	VOTED CHARGED	0 0	80087.3 0	32073.73 32043.71	0 0	0 0	0 0	0 0	0 0	0 0	0 0	112161.03 32043.71
17.Computerisation	VOTED CHARGED	0 0	45021.53 0	34817.81 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	79839.34 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	0 0	0 0	3.78 0	0 0	0 0	0 0	0 0	0 0	139633.51 0	0 0	139637.29 0
22.Leased Assets- Payment of Capital Component	VOTED CHARGED	8550304.48 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	8550304.48 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	0 0	0 0	0 0
30.Rd.Sfty.Wks. Level Crossing R.O.B or R.U.B	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1658.52 0	0 0	0 1658.52
31.Track Renewals	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 1684.53	0 0	0 1684.53
32.Bridge Works	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
33.Signalling and Telecommunication Works	VOTED CHARGED	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	40337.98 12219.66	0 0	40337.98 12219.66

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
35.Electrification Projects	VOTED CHARGED	0 0	0 0	0 0	0 0		0 0	0 0		0 0	0 0	0 0
36.Other Electrical Works	VOTED CHARGED	0 0	32235.96 0	4029.11 0	0 0		0 0	0 0		0 0	0 0	36265.06 0
37.Electrical Traction Works	VOTED CHARGED	0 0	0 0	0 0	0 0		0 0	0 0		0 0	0 0	0 0
41.Machinery & Plant	VOTED CHARGED	0 0	219677.83 0	14773.01 0	0 0		0 0	0 0		13262.1 0	0 0	247712.94 0
42.Workshops including Production Units	VOTED CHARGED	0 0	58939.19 0	73545.66 0	0 0		0 0	0 0		0 0	0 0	132484.85 0
51.Staff Quarters	VOTED CHARGED	-101.63 0	125849.21 0	267642.32 0	0 0		0 0	0 0		0 0	0 0	393389.89 0
52.Amenities for Staff	VOTED CHARGED	0 0	0 0	0 0	0 0		0 0	0 0		0 0	0 0	0 0
53. Passengers Amenities	VOTED CHARGED	0 0	36190.1 0	246969.48 6002.51	0 0		0 0	0 0		1092172.08 0	0 0	1375331.66 6002.51
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
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
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
64.Other specified works	VOTED CHARGED	0 0	2081.19 0	97112.55 0	0 0		0 0	0 0	-74993.02 0	0 0	0 0	24200.72 0
65.HRD/Training	VOTED CHARGED	0 0	0 0	227.33 0	0 0		0 0	0 0		0 0	0 0	227.33 0
81.MTP	VOTED CHARGED	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

TO END OF THE MONTH MARCH 2021

TOTAL - FINAL HEADS	VOTED CHARGED	8802908.09	600082.31	771194.78		0	0	0	0	0	-74993.02	1272143.57	13262.1	11384597.8
7110 Purchase Imported		302675.33	0	38046.22		0	0	0	0	0	0	15562.71	0	356284.25
7120 Purchase-INDIGENOUS Purchase by Railway Including Railway Board		-26386.49	0	0		0	0	0	0	0	0	0	0	-26386.49
7130 Purchase-INDIGENOUS Purchase by Railway Including Railway Board		701570.45	0	0		0	0	0	0	0	0	0	0	701570.45
7130 Purchase Through Centralised agencies(Fuel)		0	0	0		0	0	0	0	0	0	0	0	0
7130 Purchase through centralised agencies (other tahn fuel)		0	0	0		0	0	0	0	0	0	0	0	0
7140 Sales other tahn fuel		-32791.85	0	0		0	0	0	0	0	0	0	0	-32791.85
7150 SALES FUEL		0	0	0		0	0	0	0	0	0	0	0	0
7160 STORES FUEL		340169.82	0	0		0	0	0	0	0	0	0	0	340169.82
7160 Sales other than fuel		95288.9	0	0		0	0	0	0	0	0	0	0	95288.9
7170 Stores in transit(Fuel)		0	0	0		0	0	0	0	0	0	0	0	0
7170 Stores in transit (other than fuel)		-2345.26	0	0		0	0	0	0	0	0	0	0	-2345.26
7180 Stock adjustment account		-70431.09	0	0		0	0	0	0	0	0	0	0	-70431.09
7190 Stock adjustment account-other item		-2215.02	0	0		0	0	0	0	0	0	0	0	-2215.02
7210 Workshop manufacture suspense		95569.31	0	0		0	0	0	0	0	0	0	0	95569.31
7220 Other workshop manufacture suspense		21242.41	0	0		0	0	0	0	0	0	0	0	21242.41
7230 COVID Expenditure		0	0	0		0	0	0	0	0	0	0	0	0
7310 Misc. Advances -		4626.56	0	0		0	0	0	0	0	0	0	0	4626.56
Total Net Suspense		1124297.74	0	0		0	0	0	0	0	0	0	0	1124297.74
Total Final Heads		9105583.42	600082.31	809241		0	0	0	0	0	-74993.02	1287706.28	13262.1	11740882.1
Total Final And Suspense Heads		10229881.2	600082.31	809241		0	0	0	0	0	-74993.02	1287706.28	13262.1	12865179.8
Deduct Credit Including Receipts Capital A/cs.		10086.45	60187.51	612.51		567.92	0	0	0	0	0	1016088.43	0	1087542.83
Net Final And Suspense Heads		10219794.7	539894.8	808628.49		-567.92	0	0	0	0	-74993.02	271617.85	13262.1	11777637

Statement of Working Expenses for the Year 2020-21															(in Thousands of Rs.)	
Gauge	General Superintendence Services	Repairs and Maintenance of					Operating Expenses			Fuel	Staff Welfare Amenities	Misc. Working Expenses	PF and other Retirement benefits	Actuals of DRF	Appropriation to Pension Fund	Total Working Expenses
		P. way and Works	Motive Power	Carriage and Wagon	Plant and Equipment	Rolling Stock	Traffic									
Demand No.	3	4	5	6	7	8	9	10	11	12	13 (Net)	14	15	3 to 16		
Working Expenses																
Broad Gauge	6272087	11145641	3604453	11770741	5209031	8515261	17160844	9291438	6190668	5120709	2978564	534820	379050	88173308		
Metre Gauge	14458	54196	46746	10432	5177	40963	30710	17696	16073	22941	7503	5075	950	272920		
Total	6286545	11199837	3651199	11781173	5214208	8556224	17191554	9309134	6206742	5143650	2986067	539895	380000	88446228		
Expenditure as a percentage of Gross Earnings																
Broad Gauge	15.58	27.68	8.95	29.23	12.94	21.15	42.62	23.08	15.38	12.72	7.40	1.33	0.94	218.99		
Metre Gauge	2047.88	7676.51	6621.26	1477.62	733.22	5802.14	4349.88	2506.56	2276.65	3249.45	1062.68	718.84	134.56	38657.24		
Note : The following 2 amounts have not been included in the above statement under Appropriation to Pension Fund during the year 2020-21																
1. Appm to Pen. Fund from Spl. Loan for Covid related Resource Gap Rs. 4624 Crores.																
2. Appm to Pen. Fund from other Loans Rs. 1203 Crores.																

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

1. New Lines Opened

Sl. No.	Division	Name of Work	Estimate Cost Crores of Rs.	Remarks
a) New lines opened during the year 2020-2021				
1.	MAS	Nil		
2.	SA	-		
3.	PGT	Padil - Kulashekara trackdoubling (bet. km.8/035-10/048) including new tunnel.	Petains to CN	Work being done by CN Unit
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 2020-21

Sl. No.	Division	Name of Works	Cost in crores of Rs.	% of over all progress as on 31/03/21	Remarks
1 (a) New Lines Under Construction					
1.	MAS	-			
2.	SA	-			
3.	PGT	i) Padil - Kulashekara track doubling (bet. km.8/035-10/048) including new tunnel. ii) Washing Lay bye & Heavy lifting bay lay.	Petains to CN Petains to CN		Work being one by CN Unit MEMU Shed line at PGT Yard
4.	TVC	-			
5.	TPJ	-			
6.	MDU	MDU - TN via. APK new line, MVN-MMDR Block Section.	2175	14% MMDR work.	Only MVN-MMDR part estimate is sanctioned, TDC August-2021.
7.	CE/CN/ERS	-			
8.	CE/CN/MS	i) Tindivanam - Gingee - Tiruvannamalai (70 km) - New line (PB No.3) ii) Tindivanam - Nagari (184.45 km) - New line (PB No.4)	227.40 572.83	8% 12%	Detailed estimate sanctioned on 24.7.08. Land acquisition proposals were initiated in the year 2010. 34.33 Ha were handed over out of the total requirement of 274.02 Ha. Six (6) out of 8 major bridges completed. An amount of Rs.14.49 crores has been deposited as an advance payment towards land acquisition to Tamilnadu state government during 2011, 2012 & 2017. However, no land has been physically handed over further. The Project is kept in Abeyance as per Railway Board's D.O.letter No.2019/W-1/Genl/Budget/1 dt.26.09.19. Detailed estimate sanctioned on 21.7.08. Land acquisition proposal initiated in the year 2010 & 2011. Out of the total requirements of 733.52 Ha (686.07 Ha of Revenue land & 4.83 Ha of forrest land totalling 690.90 Ha in TN and 37.74 Ha of Revenue land & 4.88 Ha of forest land totalling 42.62 in AP), only 32.52 Ha of land (1.89 Ha Revenue land in TN & 30.63 Ha of Revenue land in AP) have been acquired so far. So far an amount of Rs. 57.12 cr. deposited towards land acquisition in TN districts and Rs.15.74 cr. deposited in AP districts. Works completed in Walajah Road-Ranipet (6 km) section with the existing available railway land and Goods traffic commissioned on 23.11.2020. 8 major bridges and 17 minor bridges completed. Land Acquisition is beind done under Tamilnadu Acquisition of Land for Industrial Purposes Act, 1997.

Sl. No.	Division	Name of Works	Cost in crores of Rs.	% of over all progress as on 31/03/21	Remarks
New Lines Under Construction—Contd.					
1 (a) New Lines Under Construction					
		iii) Attippattu - Puttur (88.3 kms) - New Line (PB No.5)	527.37	1%	Originally the project was to be taken up under 50 : 50 cost sharing with Ennore Port Trust (Ministry of Shipping). Ennore Port Trust (EPT) has turned down later vide letter dated 29.11.12. Board have been advised on 30.11.12, 22.11.13 & 05.03.15 to take a decision in the matter. Board's order is awaited. Detailed estimate sanctioned on 07.09.11. Indent for Land Acquisition submitted to Govt. of TN on 30/11/2011 for 189.43 Ha. and to AP on 13/03/2012 for 181.55 Ha. Tenders not called for want of Board's decision. The Project is kept in Abeyance as per Railway Board's D.O.letter No.2019/W-1/Genl/Budget/1 dt.26.09.19.
		iv) Erode - Palani (91.05 kms) - New Line (PB No.6)	603.23	1%	Project frozen by Board vide letter dt.06/07/2011 and again reconfirmed by Railway Board on 05/02/2013. The Project is kept in Abeyance as per Railway Board's D.O.letter No.2019/W-1/Genl/Budget/1 dt.26.09.19.
		v) Chennai-Cuddalore (via) Mahabalipuram (179.28 Kms) - New Line (PB No.7)	1205.00	7%	Perungudi (Chenna) to Cuddalore via Mamallapuram, Marakanam, Puducherry (ECR Route)-Final Location Survey completed during the year 2012 RR (96150) Thereafter, Puducherry Government requested on 20.07.15 to divert the route between Cuddalore and Puducherry (29.28 km) (in Puducherry area) according to their development. On approval of Railway Board Estimate for FLS sanctioned and tenders for Final Location Survey in the Revised alignment were called and tender awarded during October 2019 FLS is in progress. The Project is kept in Abeyance as per Railway Board's D.O.letter No 2018-1/Genl/Budget/ dt.28.09.19
		vi) Madurai-Tuticorin (via) Aruppukkottai (143.5 km) - New Line (PB No.8)	2172.16	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 23.03.14. Land required for this section is 90.72 Ha, out of which 78.02 Ha has been received up to December 2018. Works have been progressing, but slowed down due to paucity of funds during April-June 2020 & Covid-19. In the current financial year 2020-21, Outlay is only Rs.1000. Subsequently, Board have allotted additional amount of Rs.65 cr. Revised Grant for 2020-21 is Rs.95.91 cr. The section is planned for commissioning by July 2021. Final Local Survey has been completed for the remaining stretch 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. Railway Board returned the DE for some observations. After attending the Board's observations DE sent to Finance for vetting on 18.01.2021. Regarding land requirements for non-targeted section (balance stretch 125.5 km), 3 districts are involved viz., Tuticorin, Virudunagar & Madurai. Land involved to an extent of 754.98 Ha. Land Plan Schedules to the balance section of Melmarudur-Madurai (via) Aruppukkottai have been submitted to District Collectors concerned viz., Tuticorin, Virudunagar & Madurai during December 2018 and March 2019.
		vii) Sriperumbudur - Guduvanchery with spur to Irungattukkottai-Avadi - Sriperumbudur (60 km) - New Line (PB No.9)	1500.00	0%	Final Location Survey is in progress. TN govt. has agreed to share 50% of the cost of the project vide letter dated 04.03.2016. Detailed estimate is under preparation and will be submitted after completion of FLS. The Project is kept in Abeyance as per Railway Board's D.O.letter No.2019/W-1/Genl/Budget/1 dt.26.09.19.

Sl. No.	Division	Name of Works	Cost in crores of Rs.	% of over all progress as on 31/03/21	Remarks
New Lines Under Construction—Contd.					
1 (a) New Lines Under Construction					
		viii) Morappur - Dharmapuri (36 km) (PB No.10)	358.95	0%	Detailed estimate sanctioned by Railway Board vide letter No.W.2016/W-I/NL/SR/MD dt.06/02/2019 at a cost of Rs.358.95 cr. Work of site clearance and land boundary stone fixing have been completed for about 10 km length (from Morappur end). Preparatory works for calling of tenders are under process. 36 km length track to be laid in old alignment (where old Narrow Gauge line was existing up to year 1941), in which 28 km from Morappur end and balance 8 km from Dharmapuri end on new alignment. After closure of NG line land was relinquished to State Govt. in the year 1941 and further, State Govt. have given to private parties on Patta land. Request was made by Railway to State Govt. on 05.03.19, 06.07.19 & 19.07.19 for Survey and identification of land for processing Land acquisition. District Collector, Dharmapuri has sent a proposal to Additional Secy to Govt. Industrial Dept. 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 a 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.
		ix) Rameswaram-Dhanushkodi-New Line (18.8 km) (PB No.11) (Umbrella work)	644.83	0%	The work has been sanctioned by Railway Board vide letter No. 2018/W-I/ Genl / Survey / Umbrella/ Project / Pt. dt.26/12/2018 at a cost of Rs.208.30 cr. under the Umbrella Works of New Line. Approval for awarding Consultancy contract to IIT/M, Chennai for design of Railway embankment in the coastal area has been obtained from GM. LOA for the above has been issued on 26/07/2019. IITM completed all works and submitted DPR and cost estimate on 05.09.2020. Working Section & Working Plan approved by CE/CN/E/MS on 14.10.2020. Detailed estimate prepared for Rs.733.22 cr. is under finance vetting. Preparatory works for preparation of LPS in progress. Planned for completion by December 2022.

1 (b) New lines sanctioned works during 2020-21.

MAS	-				
SA	-				
PGT	-				
TVC	-				
TPJ	-				
MDU	-				
CE/CN/ERS	-				
CE/CN/MS	-				
MTP	Extension of MRTS Phase II from Velacheri to St.Thomas Mount - 5 Km.	734.01	87%	* Out of 5.00 Km alignment, the substructure and super structure works for a length of 4.60 km have been completed. *Station building works at Adambakkam and Puzhuvivakkam are in progress (98% completed) and integrated station building at St.Thomas Mount is completed. *Balastless track has been completed for a length of 4.50 kms out of 5.0 Kms. *95% of land for remaining 0.5 km stretch handed over by State Govt. for execution of work during March 2021. Work in progress.	

* Cost of the work is shared by Railways and Govt. of Tamilnadu in the ratio 1:2 ie. Rs.244.67 crores by Railways and Rs.489.34 crores by Govt. of Tamil Nadu.

3. Surveys**(a) SURVEYS SANCTIONED DURING THE YEAR 2020 - 21**

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			
7	CE/CN/ERS	NIL			
8	CE/CN/MS	NIL			
9	MTP	NIL			

(b) Surveys in Progress during the year 2020 - 21

1.	MAS	-			
2.	SA	-			
3.	PGT	-			
4.	TVC	-			
5.	TPJ	-			
6.	MDU	-			
7.	CE/CN/ERS	-			
8.	CE/CN/MS	i) Reconnaissance Engineering cum Traffic Survey for new line between Kallakurichchi and Ulundurpet.	54023.00		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 completed and yard diagrams are approved by CTPM/MAS. Abstract estimate has been vetted by finance at a cost of Rs. 416.19 Cr. IRR of (-) 8.514% is submitted to accounts for vetting on 10.5.2019. Accounts returned the ROR with observations stating that instead of Diesel traction, Electrical traction to be adopted in the section. Revised estimate at a cost of Rs. 473.26 crores is advised to accounts for revetting. Accounts returned with queries and informed that the combined estimate has to be revised. Combined Estimate is now revised at a cost of Rs. 519.3132 crores and submitted to accounts for revetting on 30.7.2020. Replied Finance observations on 28.02.2021.
		ii) Reconnaissance Engineering cum Traffic survey for new line between Dindigul and Sabarimala			RET Survey ordered by Board vide Demands for Grants Railways 2016-17 as dem no 23. The survey estimate is vetted by finance and Sanctioned by CAO/CN. Tender opened on 09-06-2017, tender has been called for Reconnaissance Engineering survey and there was no response. Again, calling of re-tender with new GCC and opened on 30-01-2019. Work awarded to the contractor on 11.3.2019. Survey work is completed Alignment finalised Scrutinising of report is under progress. Yard drawings for the stations proposed in the section are prepared and submitted to CTPM office for approval CTPM has approved the yard drawings Preparation of combined estimate is under Progress.
		iii) Reconnaissance Engineering cum Traffic survey for new line between Jolarpettai/Tirupattur and Hosur via Krishnagiri.	148626.15		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 completed. Alignment is finalised on Topo sheet. Combined abstract estimate is submitted to accounts on 5.3.2020

3. Surveys

(a) SURVEYS SANCTIONED DURING THE YEAR 2020 - 21

Sl. No.	Division	Name of Works	KM	Cost in crores of Rs.	Remarks
					for vetting. Cost of the Project is 1445.19crores. Accounts returned the estimate with observations. CTPM has approved the yard drawings. Abstract estimate is now revised and submitted to accounts at a cost of Rs.1550.52 cr on 24.8.2020 for vetting. Accounts again returned the estimate with some observations. Abstract estimate is now revised at a cost of Rs.1550.3322 crores and submitted to accounts on 6.10.20 for vetting. Abstract estimate vetted by Finance at a cost of Rs.1486.2615 cr on 05.01.2021. IRR under preparation.
		iv) Reconnaissance Engineering cum Traffic survey for new line between Ariyalur and Namakkal via Perambalur, Turaiyur & Tattayanagarpettai .	142022.00		Updating 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. Survey work in under Progress. CTPM has approved the yard drawings.
		v) Reconnaissance Engineering cum Traffic survey for new line between Musiri and Chennai.			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. Alignment finalised, preparation of yard drawings and draft report in progress.
		vi) Preliminary Engineering cum Traffic survey for doubling line between Villupuram- Mayiladuturai - Thanjavur.	204912.00		RET 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. Field Survey work is Completed. Alignment is finalised. Yard diagrams are prepared and sent to CTPM / Hqrs office for approval. CTPM has approved the yard drawings. Preparation of Combined estimate is under Progress.
		vii) Reconnaissance Engineering cum Traffic survey for new line between Kallakuruchi and Tiruvannamalai .	79045.00		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 opened on 23.07.2019. LOA issued to contractor on 3.10.19. Survey work is completed. Alignment is finalised. Yard diagrams are prepared and sent to CTPM/ Hqrs office for approval. CTPM has approved the yard drawings. Draft report submitted by the agency. Estimate is under preparation.
9	MTP	Nil			

(c) SURVEYS COMPLETED DURING THE YEAR 2020-21

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	i) Preliminary Engineering cum Traffic Survey for a new BG line (3rd & 4th) between Attipattu and Gummidipundi.	25.37	Civil Eng. 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.

3. Surveys**(a) SURVEYS SANCTIONED DURING THE YEAR 2020 - 21**

Sl. No.	Division	Name of Works	KM	Cost in crores of Rs.	Remarks
					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.
		ii) Updating of RETS for a new line from Dindigul to Kumuli via Bodina-yakkanur and alternative via. Teni.	134 (Bodi)	Civil Eng.707.52 Electrical44.53 OHE1.22 S&T74.95 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 Eng.618.39 Electrical 41.19 OHE 1.22 S&T 66.77 Total cost727.57 ROR:(+)0.445% (Land Cost Rs.57.12 Cr.)	
		iii) PETS between Podanur-Palghat 3rd line (Exg. Double line).	52.44	Civil Eng.322.94 Electrical 6.68 OHE 32.64 S&T 48.11 Total cost410.37 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.
		iv)Updating for a new BG line between Portblair and Diglipur.	240.00	Civil Eng.1791.61 Electrical133.05 S&T 62.80 Totalcost1987.46 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.
9	MTP	Nil.			

4. Line Closed – 2020-21

Sl. No.	Division	Name of work	Cost Rs. in lakhs	Remarks
1.	MAS	-		
2.	SA	-		
3.	PGT	-		
4.	TVC	-		
5.	TPJ	-		
6.	MDU	-		
7.	CE/CN/ERS	-		
8.	CE/CN/MS	-		
9.	MTP	-		

5 PROGRESS OF MAJOR PROJECT WORKS UP TO 31/03/2021

S.No.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2021	Physical Progress	Remarks
I	NEW LINE						
1	Tindivanam - Gingee - Tiruvannamalai (70 km)-New line (PB No.3)	227.40	Supp.D.No. 2006-07		63.91	8%	Detailed estimate sanctioned on 24.7.08. Land acquisition proposals were initiated in the year 2010. 34.33 Ha were handed over out of the total requirement of 274.02 Ha. Six (6) out of 8 major bridges completed. An amount of Rs.14.49 crores has been deposited as an advance payment towards land acquisition to Tamilnadu state government during 2011, 2012 & 2017. However, no land has been physically handed over further. The Project is kept in Abeyance as per Railway Board's D.O.letter No.2019/W-1/Genl/Budget/1 dt.26.09.19.
2	Tindivanam - Nagari (184.45 km)-New line (PB No.4)	572.83	Supp.D.No. 2006-07		237.23	12%	Detailed estimate sanctioned on 21.7.08. Land acquisition proposal initiated in the year 2010 & 2011. Out of the total requirements of 733.52 Ha (686.07 Ha of Revenue land & 4.83 Ha of forrest land totalling 690.90 Ha in TN and 37.74 Ha of Revenue land & 4.88 Ha of forest land totalling 42.62 in AP), only 32.52 Ha of land (1.89 Ha Revenue land in TN & 30.63 Ha of Revenue land in AP) have been acquired so far. So far an amount of Rs. 57.12 cr. deposited towards land acquisition in TN districts and Rs.15.74 cr. deposited in AP districts. Works completed in Walajah Road-Ranipet (6 km) section with the existing available railway land and Goods traffic commissioned on 23.11.2020. 8 major bridges and 17 minor bridges completed. Land Acquisition is beind done under Tamilnadu Acquisition of Land for Industrial Purposes Act, 1997.
3	Attippattu - Puttur (88.3 kms) - New Line (PB No.5)	527.37	2008-09		2.59	1%	Originally the project was to be taken up under 50 : 50 cost sharing with Ennore Port Trust (Ministry of Shipping). Ennore Port Trust (EPT) has turned down later vide letter dated 29.11.12. Board have been advised on 30.11.12,22.11.13 & 05.03.15 to take a decision in the matter. Board's order is awaited. Detailed estimate sanctioned on 07.09.11. Indent for Land Acquisition submitted to Govt. of TN on 30/11/2011 for 189.43 Ha. and to AP on 13/03/2012 for 181.55 Ha. Tenders not called for want of Board's decision. The Project is kept in Abeyance as per Railway Board's D.O.letter No.2019/W-1/Genl/Budget/1 dt.26.09.19.
4	Erode - Palani (91.05 kms) - New Line (PB No.6)	603.23	2008-09		1.63	1%	Project frozen by Board vide letter dt.06/07/2011 and again reconfirmed by Railway Board on 05/02/2013. The Project is kept in Abeyance as per Railway Board's D.O.letter No.2019/W-1/Genl/Budget/1 dt.26.09.19.
5	Chennai - Cuddalore (via) Mahabalipuram (179.28 kms)-New line (PB No.7)	1205.00	2008-09		2.28	7%	Perungudi (Chennai) to Cuddalore via Mamallapuram, Marakanam, Puducherry (ECR Route) – Final Location Survey completed during the year 2012 [IRR (-)6.150] Thereafter, Puducherry Government requested on 20.07.15 to divert the route between Cuddalore and Puducherry (29.28 km) (in Puducherry area) according to their development. On approval of Railway Board, Estimate for FLS sanctioned and tenders for Final Location Survey in the Revised alignment were called and tender awarded during October 2019. FLS is in progress. The Project is kept in Abeyance as per Railway Board's D.O.letter No.2019/W-1/Genl/Budget/1 dt.26.09.19.
6	Madurai - Tuticorin (via) Aruppukkottai (143.5 km) - New Line (PB No.8)	2172.16	2011-12		262.36	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 23.03.14. Land required for this section is 90.72 Ha, out of which 78.02 Ha has been received up to December 2018. Works have been progressing, but slowed down due to paucity of funds during April-June 2020 & Covid-19. In the current financial year 2020-21, Outlay is only Rs.1000. Subsequently, Board have alloted additional amount of Rs.65 cr. Revised Grant for 2020-21 is Rs.95.91 cr. The section is planned for commissioning by July 2021.

5 PROGRESS OF MAJOR PROJECT WORKS UP TO 31/03/2021

S.No.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2021	Physical Progress	Remarks
							Final Local Survey has been completed for the remaining stretch 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. Railway Board returned the DE for some observations. After attending the Board's observations DE sent to Finance for vetting on 18.01.2021.
							Regarding land requirements for non-targeted section (balance stretch 125.5 km), 3 districts are involved viz., Tuticorin, Virudunagar & Madurai. Land involved to an extent of 754.98 Ha. Land Plan Schedules to the balance section of Melmarudur-Madurai (via) Aruppukkottai have been submitted to District Collectors concerned viz., Tuticorin, Virudunagar & Madurai during December 2018 and March 2019.
7	Sriperumbudur-Guduvanchery with spur to Irungattukkottai - Avadi - Sriperumbudur (60 km) - New Line (PB No.9)	1500.00	2013-14		0.64	0%	Final Location Survey is in progress. TN govt. has agreed to share 50% of the cost of the project vide letter dated 04.03.2016. Detailed estimate is under preparation and will be submitted after completion of FLS. The Project is kept in Abeyance as per Railway Board's D.O.letter No.2019/W-1/Genl/Budget/1 dt.26.09.19.
8	Morappur - Dharmapuri (36 km) (PB No.10)	358.95	2016-17		0.08	0%	Detailed estimate sanctioned by Railway Board vide letter No.W.2016/W-I/NL/SR/MD dt.06/02/2019 at a cost of Rs.358.95 cr. Work of site clearance and land boundary stone fixing have been completed for about 10 km length (from Morappur end). Preparatory works for calling of tenders are under process. 36 km length track to be laid in old alignment (where old Narrow Gauge line was existing up to year 1941), in which 28 km from Morappur end and balance 8 km from Dharmapuri end on new alignment. After closure of NG line land was relinquished to State Govt. in the year 1941 and further, State Govt. have given to private parties on Patta land. Request was made by Railway to State Govt. on 05.03.19, 06.07.19 & 19.07.19 for Survey and identification of land for processing Land acquisition. District Collector, Dharmapuri has sent a proposal to Additional Secy to Govt. Industrial Dept. 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 a 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.
9	Rameswaram-Dhanushkodi - New Line (18.8 km) (PB No.11) (Umbrella work)	644.83	2018-19 (Supp, Demand)		1.10	0%	The work has been sanctioned by Railway Board vide letter No. 2018/W-I/ Genl / Survey / Umbrella/ Project / Pt. dt.26/12/2018 at a cost of Rs.208.30 cr. under the Umbrella Works of New Line. Approval for awarding Consultancy contract to IIT/M, Chennai for design of Railway embankment in the coastal area has been obtained from GM. LOA for the above has been issued on 26/07/2019. IITM completed all works and submitted DPR and cost estimate on 05.09.2020. Working Section & Working Plan approved by CE/CN/E/MS on 14.10.2020. Detailed estimate prepared for Rs.733.22 cr. is under finance vetting. Preparatory works for preparation of LPS in progress. Planned for completion by December 2022.

5 PROGRESS OF MAJOR PROJECT WORKS UP TO 31/03/2021

S.No.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2021	Physical Progress	Remarks
II GAUGE CONVERSION							
1	Tiruchchirappalli - Thanjavur - Nagore - Karaikal (145.33 Km) with extension Nagappattinam - Velankanni-Tiruthuraipundi via Thirukuvalai(43 Kms.) and new material modification of Peralam - Karaikal new line (23 km) Total=211.33 km (PB No.12)	1598.59	1995 - 96		701.37	77%	All sections have been commissioned except Nagappattinam-Thirukuvalai-Tiruturaipundi NL (38 Km) and Peralam-Karaikal New Line (23 km). In Nagappattinam-Thirukuvalai-Tiruturaipundi NL section,out of total requirements of 115 Ha of land, 105 Ha has been acquired so far. Regarding the balance 10 Ha, being Govt. land, transfer of land to be done. Now, Due to very soft soil with low bearing capacity ground treatment by PVD drains and stage construction of embankment is to be adopted. Hence, after every 2 mtr of embankment height filling, 5 to 6 months waiting time is required for consolidation. This will require more time to complete the earthwork as bank height is up to 6 mtrs at many locations. At present, first stage of PVD and earthwork is under progress. Planned for completion by March 2025. Regarding Peralam-Karaikal New Line, Railway Board sanctioned the detailed estimate at a cost of Rs.177.69 cr. Four tenders for earthwork & bridge works have been finalised. Tenders could not be called for want of funds. Now, in the Revised Grant for 2020-21, Rs.18.26 cr. has been provided. Due to change in plan of connectivity to Peralam yard by Operating Department, land to an extent of 3.2 hectares is to be acquired for which LPS has been submitted on 09.09.2020, against which 0.475 Ha. of land has been received so far. This section is planned for completion by March 2024.
2	Cuddalore - Salem via Vriddhachalam - Gauge Conversion (191 kms) (PB No.14)	556.64	1999 - 2000		319.22	95%	Project commissioned except Chinnasalem-Kallakurichi NL 16 km (MM), for which Detailed Estimate sanctioned by Board for Rs.116.61 cr. vide letter No.2001/W-I/GC/S/1/PDE dt.21.12.2015. Survey completed and the proposed alignment submitted along with Land Plan schedule to the District Collector, Villupuram during March 2015. TN State Govt. deposited Rs.64.69 cr. towards 50% share of the project cost to Railways during March 2015. Govt. of Tamilnadu issued G.O during May 2016 to acquire land under "Tamilnadu Acquisition of Land for Industrial Purposes Act 1997". Total extent of land required is 48.61 Ha. consisting of 11 villages. 3(2) Notification was issued to all 11 villages during July 2016 and 3(1) Notification also issued to all 11 villages during November & December '17. Award pronounced in 5 villages in March 2020 and 14.91 Ha. of land has been taken over so far and in progress for balance 6 villages.. In this connection, an amount of Rs.10 cr. has been deposited with District Collector, Villupuram during November 2017. Agency fixed for earthwork for 2.5 km from Chinnasalem and agency fixed for major & minor bridges. Works are in progress and likely to be completed by March 2024.
3	Mayiladuturai - Thiruvarur - Karaikkudi and Tiruturaipundi - 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.15)	2910.85	2007-08		1621.41	65%	Revised estimate for Mayiladuturai-Thiruvarur-Karaikkudi and Tiruturaipundi-Agastiyampalli & restoration of Nidamangalam-Mannargudi line GC project at a cost of Rs.1956.38 cr. has been sent to Railway Board vide letter No.W.193/XXII/24/CN on 19.10.2020. Board returned the RE on 13.01.2021 for some observations. Reply is being sent. Mayiladuturai-Thiruvarur (GC) (38 km), Nidamangalam -Mannargudi (NL) (13 km), Thiruvarur-Tiruturaipundi-Pattukkottai (75 Km) & Pattukkottai-Karaikkudi (GC) (73 km) sections have already been commissioned. Details of other sections are furnished below: Tiruturaipundi-Agastiyampalli (37 km): Works in this section are progressing slowly due to persistent rains and planned for completion by October 2021.

5 PROGRESS OF MAJOR PROJECT WORKS UP TO 31/03/2021

S.No.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2021	Physical Progress	Remarks
							Mannargudi-Pattukkottai (41 Km), GM's approval obtained during May 2018 to process for land acquisition for new BG line works between Mannargudi & Pattukkottai and Thanjavur & Pattukkottai sections through "Tamilnadu Acquisition of Land for Industrial Purposes Act 1997". Land to an extent of 196 Ha. is required. LPS submitted on 14.06.12, 02.07.12, 16.08.12 & 11.09.12. Tamilnadu State Revenue Authority has to acquire land and hand it over to Railways. Work is in progress in a major bridge across Pamaniyar river. Detailed estimate for Rs.257.82 cr (excl. part detailed estimate for bridge works for Rs.19.03 cr.) submitted to Board for sanction. Board vide letter dt.06.04.2017 has returned the DE with some observations. As per Board's directions, DE has been recast at a cost of Rs.685.16 cr. and submitted to Board vide letter No.W.193/XXII/24/CN dt.04.12.2019. Again, Board returned the DE on 22.01.2020 with some clarifications. The Recast DE sent to Finance for vetting as per Board's direction has been returned on 10.12.2020. Remarks of Field Executive have been called for. Thanjavur-Pattukkottai: New line between Thanjavur and Pattukkottai (47.2 km) has been approved in 2012. During FLS to avoid built up area, detouring done and revised length is 51.80 km. New line alignment has been finalised. GM's approval obtained during May 2018 to process for land acquisition for new BG line works Thanjavur & Pattukkottai sections through "Tamilnadu Acquisition of Land for Industrial Purposes Act 1997". Land to an extent of 152.02 Ha. is required. LPS submitted on 23.04.18. Tamilnadu State Revenue Authority has to acquire land and hand it over to Railways. Detailed estimate for the section for Rs.467.22 cr. sent to Railway Board vide letter No.W.193/XXII/24/CN on 27/03/2015. As per the directions of CAO/C, DE has been recast & sent to finance for vetting on 21.09.2020. Finance returned the recast DE on 03.11.2020. Reply awaited from Electrical(OHE) and S&T departments.
4	Madurai - Bodinayakkanur (90.41 kms) (PB No.16)	450.73	2008-09		375.67	65%	Detailed estimate for Rs.302.90 sanctioned by Board on 15/12/2016. Madurai-Usilampatti (37 km) section authorised by CRS on 24.01.2020 for commissioning of Passenger traffic. Due to Covid-19, Passenger services could not be commissioned. In Usilampatti-Andipatti (21 km), works completed and CRS authorised the section on 21.12.2020 for commissioning of Passenger traffic. Works are progressing in the remaining sections viz., Andipatti-Teni (15 Km) - TDC: May 2021 & Teni-Bodinayakkanur (17 Km) - TDC: October 2021.
III DOUBLING							
1	Chennai Beach-Korukkupet III line (4.1 kms) (PB No.17)	228.35	2003 - 04	2019	149.59	96%	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.
2	Chennai Beach-Attippattu 4th Line (22.1 Kms) (PB No.19)	293.46	2003-04	2020	239.39	95%	All the sections commissioned (Attippattu Pudunagar-Attippattu (1.7 km) lastly commissioned on 28.11.2020). Attippattu Pudunagar & Attippattu yards have been commissioned on 23.11.2020 & 28.11.2020 respectively. Section dedicated to public by hon'ble PM on 14.02.2021. 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.

5 PROGRESS OF MAJOR PROJECT WORKS UP TO 31/03/2021

S.No.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2021	Physical Progress	Remarks
3	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.23)	1121.00	Supp. Demands for grants 2006-07		928.75	94%	Chengalpattu-Villupuram (103 km) section commissioned. Detailed estimate for Tambaram-Chengalpattu 3rd line (MM) for Rs.255.68 cr. sanctioned. 0.12 ha of land to be acquired from State Highways for which request has been given on 28/02/2018 (This does not affects commissioning). Guduvancheri-Singaperumal Koil (11 km) stretch commissioned on 30.10.2020. Singaperumal Koil-Chengalpattu (8 km) stretch inspected by CRS on 03.03.2021 and authorised by CRS for commissioning of passenger traffic on 05.03.2021. Regarding Tambaram-Guduvancheri (11 km) works are in progress and planned for commissioning by May 2021.
4	Omalur - Mettur Dam - doubling with electrification (28.93 km) (PB No.29)	333.02	2011-12	2021	264.18	95%	(i) Mettur Dam-Mecheri Road (16 km): Works have been completed. The section originally scheduled for CRS inspection on 27.03.2020 has been postponed indefinitely due to Covid-19. CRS inspected the section on 28.09.2020 and authorised the section on 30.09.2020 @ 65 kmph for Passenger Traffic. Section opened on 16.10.2020. (ii) Mecheri Road-Omalur (13 km): All the required land have been received during the second week of January 2021. Works have been completed. CRS inspected the section on 25.02.2021 and authorised the section on 02.03.2021 for commissioning of Passenger traffic @ 60 kmph. Section commissioned on 30.03.2021.
5	Madurai-Vanchi Maniyachchi-Tuticorin (158.81 km) (PB No.32) (RVNL)	1182.31	2015-16				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.
6	Vanchi Maniyachchi-Nagercoil (102.19 km) (PB No.34) (RVNL)	1003.94	2015-16				Detailed Estimate for Rs.1003.94 cr. along with revised DPR sanctioned by Board on 28/08/2017. RVNL has been entrusted to execute the project.
7	Salem - Magnesite Junction - Omalur (11 km) (Supp. Demand) (PB No.36)	114.87	Supp. Demand of 2016-17		8.68	10%	Detailed estimate has been sanctioned for Rs.114.87 crores on 10/05/2017. Land to an extent of 4.78 Ha required for which Land Plan Schedule submitted to District Collector on 15/11/2019. Earthwork formation, minor bridges, ROB, LHS works are progressing. The section is planned for completion by August 2022.
8	Katpadi-Villupuram (160.10 km)	1601.00	(Umbrella work PB#57/ 2019-20/NR)		0.00	0%	Final Location Survey is in progress
9	Salem-Karur-Dindigul (160 km)	1600.00	(Umbrella work PB#57/ 2019-20/NR)		0.00	0%	Final Location Survey is in progress
10	Erode-Karur (65 km)	650.00	(Umbrella work PB#57/ 2019-20/NR)		0.00	0%	Final Location Survey is in progress
11	Chennai Beach-Chennai Egmore (4.3 km)	279.80	(Umbrella work PB#57/ 2019-20/NR)		0.00	0%	Detailed Estimate for Rs.280.74 cr. and IRR have been vetted by Finance and is under process for sanction of Railway Board. LPS for acquisition of 1.51 Hec. of land (Defence, RBI and Port Trust) submitted to District collector on 14/07/2020. District Collector, Chennai has made the formal request to the Port Trust, Defence & RBI officials regarding land acquisition. Planned for completion by December 2022.

5 PROGRESS OF MAJOR PROJECT WORKS UP TO 31/03/2021

S.No.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2021	Physical Progress	Remarks
12	AMPA-HAD Doubling	34635.00	2010	—	33055.00	100%	DN line completed (100%), regrading of UP line completed (100%)
13	TVC-CAPE Doubling	143190.00	2016	—	269.12	30%	
14	KRPP-CGV Doubling	82014.00	2008	—	45487.00	ETM-KTYM-80% KTYM-CGV-70%	KRPP-ETM Commissioned on 24-05-19. Work is in progress for ETM-KTYM & KTYM-CGV which is targeted to complete in Dec.2021 & Jan 2022.
15	MAJN-PNMB Doubling	22660.00	2011	In progress	22452.00	88%	
16	NTVT-MAQ Doubling	2803.00	2018	2021	883.00	100%	Section opened for traffic
IV MTP							
1	Chennai Beach - Tambaram - Chengalpattu Suburban Gauge Conversion (60 kms.) (PB No.MTP-2)	520.00	1998 - 99	2004	470.38	98%	Section opened for traffic on 01/11/2004. Provision of 14 ROBs/RUBs in lieu of existing level crossings is also part of the project so as to eliminate the level crossings in the Chennai Beach - Tambaram section. Out of 14 nos., 12 nos. were completed & commissioned and 2 RUBs are in progress. i) Trisulam RUB - LC No.22 - Combined GAD for RUB works approved by Railways & Highways. Agency available for Railway portion. ii) Radha Nagar RUB - LC No.27 - Box pushing in Railway portion completed. Approaches in progress.
2	MRTS - PHASE - II - Extension from Velachery to St. Thomas Mount (5 kms) (PB No.MTP-3)	734.01	2006-07		499.96	60%	Out of 5 km, work in 500m length (land to a tune of 1.47 acres) is held up on account of litigations in land acquisition for many years. SLP filed by Government of Tamilnadu in the Supreme Court against Higher compensation has been dismissed. Based on the Supreme Court direction, higher compensation has been paid to all the affected land owners and CMDA has taken over the possession of land including building. Dismantling of acquired building is in progress. TDC: July 2022.
V Other Plan Heads							
1	Arakkonam-straightening of roads 1 & 2 and extension of platform No. 1, 2 & 3 to 24 bogies. (PB No.43)	45.54	2007-08	2018	48.42	95%	All NI works have been completed. RRI Cabin, Booking office & circulating area completed. Original sanctioned (PB) cost is Rs.8.80 cr. DE sanctioned cost is Rs.14.90 cr. Revised DE (I) cost is Rs.25.06 cr. Again the DE is proposed for revision. Revised DE (II) submitted to Finance.
2	Tambaram- Development as Coaching terminal.(PB No.44)	33.28	2008-09	2017	48.15	100%	Terminal commissioned on 07/08/2017. Works completed in all respects except provision of fencing which is progress - 99.90 %
3	Korukkupet Goods yard-Additional terminal facilities.(PB No.45)	11.50	2008-09	2013	11.98	80%	Work completed & commissioned on 01/07/2013. Section handed over to Division on 17/06/2016.
4	Southern Railway - New works of yard modification to improvespeed, intermediate block hut and development of new coaching terminals	70.00	2019-20		0.00	0%	New work transferred from Open line during 2019-20..
5	Ponmalai - Modernisation of workshop (CME) (PB No.1033)	114.65	—		87.32	86%	Civil Works completed except maintenance portion. Renewal of pipes, Drainage improvement and OHT works are nearing completion. Electrical Works are in progress and nearing completion. M&Ps:All Major M&Ps PTC issued. One EOT Crane 5T is under commissioning. S&T Work completed. No Outlay is provided under DRF & DF for 2020-21 where fund is required.

5 PROGRESS OF MAJOR PROJECT WORKS UP TO 31/03/2021

S.No.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2021	Physical Progress	Remarks
6	Royapuram-Expansion of AC electric loco shed to increase loco holding from 50 to 100 (PB No.1034)	40.70	2008-09		42.52	85%	Phase II is in progress for medium and light bay. Extension of heavy & Medium lifting bay, store building, extn of service bldg, Light lifting bay erection and track work completed. 50% of M&P items have been received and the remaining are under various stages of procurement. Dining hall, receipt ward and oil lubrication room completed. OHE 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 for 2020-21 is only Rs.1000. Additional funds of Rs.4.0 cr. is required. Work Revised estimate sanctioned by Board. Works to be taken up depending upon funds availability. Tender called for additional works covered in revised estimate. Tender awarded and work held up for want of funds.
7	Tuticorin-Extension of pit line from 21B to 24 B with catwalk & covered shed for sick line. (PB No.1035)	15.42	2008-09		9.01	80%	Revised estimate sanctioned by Board for Rs.15.42 cr. during August 2016. Agency fixed for construction of electrical substation building at Tuticorin yard and works completed up to roof level and remaining work in progress. It was decided during the meeting held on 16/05/2017 to execute the work by RVNL. Pitline for 21 coach & Sickline work completed and handed over. Electrical sub station nearing completion. Revised Estimate for extension of pit line from 21 to 24 coach with yard remodelling is sanctioned by Rly Bd on 11.8.2016. As 4 years passed & also MDU division has expressed its inability to carry out extension due to busy LC gates & space constraints, it has been decided to foreclose this work and include the requirements in MDU-TN Doubling project. Work is retained in Pink Book of 2020-21 for financial closure.
8	Tondiarpet, Irumpunam, Jolarpet - Conversion of ROH depot form vacuum to air brake stock-maintenance facilities for repair of unloading wagons (PB No.1036)	51.68	2008-09		15.46	25%	Estimate sanctioned. Contract awarded for ROH shed at Tondiarpet Marshalling yard. Dismantling of existing shed completed. Foundation for new shed completed. Erection of coloumn completed. Erection of roof truss completed. Flooring, Track linking in shed portion, Laying of galvalume sheet Other works at Jolarpet are held Up for want of Fund. Regarding Tondiarpet Marshalling yard, work is yet to be started due to fund constraints
9	Perambur loco works - Modernisation of workshop (PB No.1037)	81.09	2008-09		54.29	55%	Estimate sanctioned. Work completed for facilitation of complex (canteen), Time office, cycle stand, SSE/E office, modification to Train Light Shop, group toilet. All works are in Progress
10	Perambur-Modernisation of carriage and wagon workshop (PB No.1010)	57.44	2009-10		45.75	95%	Wagon repair shop & service building substation works completed. Foundation for CR shop completed. Roofing completed. Sunken pit completed. Fabrication & 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 piling & pile cap completed. Fabrication of structural members completed. Erection of structural member roof sheeting completed. Works completed and NCR shop inaugurated by GM/S.Rly on 14/02/2019. Drawing for service building for paint shop were approved and super structure work completed. Piling drawings for bogie repair shop, air brake are approved. Works in progress. All piles completed. New grit blasting shed completed and inaugurated by GM/SR on 08/02/2019. Final bill held up for want of fund.

5 PROGRESS OF MAJOR PROJECT WORKS UP TO 31/03/2021

S.No.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2021	Physical Progress	Remarks
11	Erode (Diesel Shed): Augmentation of homing capacity from 100 to 150 Locos. (PB No.1040)	22.46	2011-12		18.16	100%	Work physically completed. Work is recommended for deletion but retained in the Pink Book of 2020-21 for financial closure. Only token provision is given for 2020-21. Additional fund required to clear financial liability and to delete the work. Re-appropriation planned
12	Arakkonam (Engineering workshop) - Infrastructure for increasing production for bridge girders from 50 to 100T/month. (PB No.1042)	15.43	2012-13		23.84	70%	Work transferred from Open Line. Revised drawing finalised by DY.CE/EWS/AJJ and estimate sanctioned. Foundation for new structural shop in progress. Erection of column rafter completed. Revised Estimate Sanctioned. Crane girder in progress. Roof sheeting work in progress. Work held up for want of funds.
13	Perambur (Coach workshop) - Shed for periodical overhauling for LHB coaches (PB No.1045)	25.31	2016-17		38.18	85%	Work transferred from Mechanical Department. Detail estimate sanctioned. Contract awarded. Transit and LHB shed completed and track linking is in progress. Service building completed up to roof. First aid building and locker room are in progress. Transit shed was inaugurated by PCME/SR on 30/11/2019. Revised Estimate sanctioned by CAO. All Civil Engg works completed.
14	Erode yard-Modernization with provision of concrete apron & Goliath crane (PB No.1046)	17.62	2016-17		3.85	0%	Detailed estimate sanctioned for Rs.899.89 lakhs (without Goliath crane provision) on 18.06.2018. Civil: LOA issued for civil works Rs.2.83 Crores on 11.09.2018. Concreting between Rds 10 & 11,11&12and 13&14 are completed. Rd.15 removed.Rd.14 Slew. Concreting between Rds 14&16 under progress. Electrical: LOA issued on 08.01.2020. M&P procurement-in progress.
15	Ponmalai Workshop (GOC) – New corrosion repair shop (PB 1051)	12.76	2017-18		7.96	0%	Combined Contract for both Civil & Electrical has been awarded 18/10/2019 for rs. 11.69Cr. Foundation work is in progress (Out of 52 pillars, 40 pillars completed and balance in progress). Column and truss material arrived. M&Ps are under Procurement at COFMOW & COS/PER.
16	Perambur – Extension of wheel & tyre shop (PB No.1053)	37.46	2018-19		0.00	0%	Scope is reviewed for providing Semi-Automation of Wheel Shop activity & estimate prepared and submitted to Rly Bd for sanction. DPR under preparation by CW/PER as directed by Railway Board since the total cost exceeding Rs.50 cr. Scope is again under review by CWM/CW/PER.
17	Basin Bridge (Coaching yard) – CAMTECH standard pit lines of 24 – LHB coach length in lieu of NL-9, NL-10 & NL-11 (2 Nos.) (PB No.1058)	42.54	2018-19		0.02	0%	Work transferred from Open Line during May 2018. Detailed estimate sanctioned on 25.06.2019. Tender called and discharged. Retendered and opened on 05.10.2020 and under finalisation. This work to be executed with Line Block in busy BBQ yard lines. Draft GAD Master plan approved by Mechanical Branch and is under process for division approval through e-das.
18	Perambur – New lift cum body repair shop for coaches (PB No.1059)	32.76	2018-19		0.00	0%	Work transferred from Open Line during May 2018. Detailed estimate sanctioned on 13.08.2019.Tender opened on 13/11/2019 and discharged. Retendered and work awarded. Funds required to carry out the preliminary works.
19	Basin Bridge Yard – Integrated coach maintenance facilities incl. EOG/LHB coaches (PB No.1061)	17.64	2018-19		5.13	20%	Work transferred from Open Line during May 2018. Detailed Estimate has been sanctioned. Agency fixed. Fabrication of shed structural & erection works are in progress. Service building area existing building/shed were dismantled and removed. Foundation raft completed and other works are in progress.
20	Chennai Area-Re-construction of Staff quarters Type V-12 units. (PB No.1076)	9.65	2007-08		9.12	100%	Work completed.

5 PROGRESS OF MAJOR PROJECT WORKS UP TO 31/03/2021

S.No.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2021	Physical Progress	Remarks
21	Thanjavur-Mayavaram & Thanjavur -Tiruvarur-Reconstruction of type-I & II quarters with type-II - 60 units. (PB No.1078)	5.22	2009-10		5.80	30%	Kumbakonam: 3 blocks of 34 units completed and advised Division for joint inspection to take over 34 units of Type II Staff Quarters for allotment. Nidamangalam: In 1st & 2nd block all work completed except tiles and doors & windows work. Electrical works to be taken up. RE submitted to finance for vetting on 14.10.20. Returned from finance on 23.11.20. reply awaited from Dy.CE/ITPJ
22	Tiruchchirappalli (Kimber Garden) - Reconstruction of quarters, type-V - 2, type-IV - 18 & type-III - 24 units. (PB No.1079)	6.40	2009-10		0.02	0%	Work dropped.
23	Madurai Jn. - Reconstruction of quarters, Type II - 62 units. (PB No.1081)	7.29	2009-10		0.05	0%	Revised estimate sanctioned by AGM/MAS on 24/08/2017. Retendered. Work awarded on 16/04/2018. Contract terminated since the contractor not submitted Performance Guarantee. Re-tendered and opened on 26.11.2019 & LOA issued on 27.02.2020. Work commenced. Boring work completed. Soil investigation report submitted by agency. Structural Design submitted by Contractor's Consultant on 23.09.2020 and is under scrutinisation. DRM/MDU has recommended to CPDE / MAS for deletion of this work, as the location is identified for commercial exploitation by RLDA. CPDE/MAS has advised the CN Organisation to furnish the status of contract in order to decide the course of action for deletion of this work.
24	Tirunelveli Jn. - Reconstruction of quarters Type II - 24, Type III - 32 units. (PB No.1082)	4.80	2009-10		0.01	0%	There is no budget grant for 2020-21.
25	Tiruchchirappalli (Goods Shed Colony) - Reconstruction of quarters, type-III - 36 & type-II - 24 units. (PB No.1085)	5.21	2009-10		5.27	60%	Type III 36 units Qrs completed and handed over to Division. Tender schedule for 24 units is under process. Revised estimate is under sanction.
26	Madurai - Reconstruction of quarters type III-36 & type IV - 12 units (PB No.1086)	11.33	2010-11		9.15	100%	Work completed.
27	Tiruchchirappalli-Repl. Of quarters Type-II 64 units at Kallukuzhi Colony (PB No.1089)	8.13	2016-17		5.31	20%	Brick work and finishing work are in progress in 7 blocks (54 units) and in 1 block, roof slab to be done.
28	Chennai - Reconstruction of staff quarters Type V - 6 Units (LAW 1116)	1.20	2006-2007		4.26	85%	Work completed. Agreement is yet to be finalised.
29	Perambur: New Railway Hospital Phase-I (PB No.1094)	46.23	2005-2006	2016	45.89	85%	OPD completed and commissioned on 27.01.2016. Finishing works in G+3 Floors of 'L' Block in progress. Revised estimate vetted by finance. Work stopped because of no funds under allocation DF2 (Plan Head no.51).
30	Perambur - New Railway Hospital Phase-II (PB No.1096)	135.24	2008-09		123.64	55%	Agency fixed for finishing works in blocks A & B (G+5F). In GF, 2F & 3F finishing works completed. 50% roof concreting completed for 4 th floor of D block & finishing works in progress. Tenders yet to be called for blocks C & E. Revised estimate vetted for Phase II. Work stopped because of no funds under allocation DF2 (Plan Head no.51).

5 PROGRESS OF MAJOR PROJECT WORKS UP TO 31/03/2021

S.No.	Name of work	Anticipated Cost	Started in the year	Completed in the year	Expenditure up to 31/03/2021	Physical Progress	Remarks
31	Southern Railway - Improvement to various staff amenities like water supply arrangement/medical facilities in various hospitals / electric wiring in staff quarters etc (PB#719/18-19/CR)(MDU – Reconstruction of Railway Hospital building). (PB No.1109)	15.61	2018-19		0.00	0%	New work transferred from Open line during 2018-19. Estimate for Engaging Consultancy for Architecture /Design of structure approved by CAO on 04.10.2019. Tender schedule for Engaging Consultancy services approved by CAO/O/CN/MS. Tender called and opened on 07.07.2020. Tender discharged on 27.7.2020 as all the tenderers have not submitted original affidavit to office within stipulated time. Funds to the tune of Rs.3.50 crores under DRF and Rs. 3.51 crores under DF (2) is allotted for the year 2021-2022 and Re-tender will be done.
32	Sterling road - Architectural improvements to the frontage and acoustical improvements to auditorium of club	0.10	0		0.00	0%	Work completed.
33	Coimbatore – 2nd Subway from Main entry side connecting Platforms 1 to 4. (PB No.1114)	6.73	2008-09	2014	6.40	100%	Works completed & commissioned on 10/01/2014
34	Tiruchchirappalli-FOB connecting 1st entry & 2nd entry with ramp on one side & staircase on other. (PB No.1142)	7.93	2012-13	2019	5.52	95%	Work completed and commissioned during January 2019.
35	Madurai - Reconstruction of Steel FOB with 5 stairs. (PB No.1143)	6.08	2012-13	2019	7.25	100%	Work completed and commissioned on 08/03/2019 and handed over to division on 09.11.2019.
36	Chennai - (NGO Office) - Auditorium cum Conference hall (PB No.1171)	6.37	1998 - 1999		0.73	0%	Tender awarded. Work not taken up due to non finalisation of location. Revised plan for auditorium at NGO finalised and quotation to be called for preparation of architectural plan. Work transferred from CN to MAS division vide CPDE letter no. W.563/I /2017-18/Agency dt 22/12/17. Auditorium proposed in 4th floor of TMS building. Plan approved by DRM; under process of HQ approval. Plan .under revision
37	Salem-Setting up of New Division (PB No.1173)	37.91	Supp. Demands for grants 2006-07	2017	36.19	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.

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	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.	0.00	12.79	11.7157	Work completed	Work completed	100	100	Railway portion completed in Feb 13. LC physically closed. State completed in April 13. ROB Commissioned on 20/04/13. Subway - RCC boxes cast.
2	2000-01	TPJ Division - Proposed ROB in lieu of L.C. No. 216 (Sirkazhi) @ km 262/600 in between Kollidam and Sirkazhi stations in VM - MV (Tanjavur) section.	7.47	7.47	5.3901	Work completed	Work completed	100	100	Railway portion completed in Jan 11. Commissioned during Aug-16
3	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	0.00	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
4	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.	12.64	11.64	12.6950	Work completed	Work completed	100	100	Commissioned on 14.02.2014. Subway Work Completed
5	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.	8.38	0.00	7.6465	Work completed	Work completed	100	100	Railway portion: Work completed Jun-17 Approach portion:Work completed. Commissioned during Feb 2019
6	2002-03	PGT Division - Pro ROB in lieu of LC No. 170 @ km.615/100 - 200 in Thirunavaya yard in SRR - MAQ section.	20.75	10.75	10.0701	Work completed	Work completed	100	100	Rly portion and appr completed in Oct 14. Commissioned on 07.11.14. FOB also completed.
7	2002-03	PGT Division - Pro ROB in lieu of LC No. 274 @ km.816/800 - 900 in between Kanhangad - Pallikere stations in SRR - MAQ section.	10.38	0.00	2.2132	NF	NF	50	50	Railway portion: Sub structure completed. Super structure Girder ready. Launching Scheme of girder under the approval of CBE.HW: Work awarded by State Govt.(23/ 04/18). All work up to sustructure completed. Span 9/10 completed. Work was delayed due heavy rain and flooding of the area.
8	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.	13.98	19.37	11.6456	Work completed	Work completed	100	100	Commissioned on 28-Oct-2020

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
9	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	1.2629	Mar-22	NF	5	0	Railway Portion: Tender awarded on 27.07.2020. Design approved Approach Portion: Preparation of Design and Drawings completed. Highways portion will be started on completion of Railway portion. LA completed.
10	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.	8.32	0.00	3.5094	Work completed	Work completed	100	100	Rly.work completed in Nov. 14. Subway box cast. Insertion planned shortly.App: Completed and commissioned during Oct'20
11	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	11.5694	Work completed	Dec-21	100	0	Railway Portion: Railway portion completed in July-20 Approach Portion: Work is in progress. 13 out of 52 piles completed
12	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.	9.76	5.16	4.7327	NF	NF	0	0	Detailed Estimate is under vetting for Railway portion. For LC No.2.tender will be called soon by CN.
13	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.	1.93	1.93	5.7382	Work completed	Work completed	100	100	Commissioned during June-2020. LC closed
14	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.	7.33	5.62	0.1547	Work completed	NF	100	40	Railway portion - completed in Feb-13. Approach Portion: 41% of the work completed.Balance work held up due to Court stay order.Action is being taken to vacate the stay. Case adjourned to 04.03.2020.The case was not listed due to COVID 19 Lockdown.
15	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.	7.32	7.31	3.5122	Feb-22	NF	0	0	Railway Portion: LOA issued on 27.07.2020. LA required for Thrust bed casting.Approach Portion: Highways portion will start on completion of Railway portion. Design and Drawings Completed. LA in progress
16	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.	16.62	6.62	3.6221	Work completed	Work completed	100	100	Completed and commissioned in Oct-2018
17	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.	5.48	5.48	0.1539	NF	NF	0	0	Railway portion: Estimate sanctioned. Railway will call the tender after fixing the agency by RBDCK.Approach portion: LA completed. Tender awarded on 06-11-2020

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
18	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.	5.45	5.45	3.4389	Work completed	NF	100	0	Railway Portion completed in July-20 Approach Portion: Status Quo granted for WP.No.12886 / 2018 and 22417 / 2018. Legal opinion obtained from Special Govt. Pleader for floating tender for ROB on 28.01.2020. Tender conducted on 18.08.2020 was approved by COT. Agreement to executed.
19	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.	10.48	16.66	10.4543	Work completed	Work completed	100	100	Rly:-Work completed during April-16State – Completed. ROB commissioned on 26.03.18.
20	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.	10.61	10.60	11.2456	Work completed	May-21	100	90	Railway Portion: Railway portion completed during Mar -21Approach Portion: Wearing coat in progress. ROB portion completed.
21	2006-07	MDU Division - Pro ROB in lieu of L.C. No 366 @ km 496/16 - 497/1 in bet. Tiruparankundram and Madurai stations in MDU - VPT section.	16.51	22.20	0.1485	Work completed	Work completed	100	100	Railway portion completed. In approaches Out of three arms, two arms completed, LC Gate closed, Third arm LA is in progress.
22	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.	10.72	10.71	9.0626	Work completed	May-21	100	60	Railway Portion: Work completed in Oct-2015.Approach Portion: Out of 140 piles, 140 nos completed. All 35 Pile caps completed. Pier 33 / 33 completed. Capping beam33 / 33 completed. Deck slab 33 / 35 completed.
23	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.	13.45	17.73	12.3785	Dec-21	Aug-21	25	30	Railway Portion: LC closed.Work started. Traffic diversion approved. Thrust bed completed. Casting of boxes in progress. CRS sanction papers in CRS/SBC office for approvalApproach Portion:Raft slab completed for 112m and retaining wall 224m completed on NH side. Sekkadu side, raft slab 100m completed and retaining wall 200m completed. Crash barrier 224m completed on NH side. Crash barrier 200m completed in Seekadu Side.
24	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.	9.79	11.17	2.4743	Work completed	NF	100	30	Railway portion ROB work completed in Mar-13 For LUS Tender awarded. LUS work can be started only after completion of ROB. Approach Portion: The work to be executed by TNRIDC. The land acquisition process is in progress for 4+4 lanes by CKICP wing of GoTN. RAS G.O. accorded. Court case for LA. Secretary conducted meeting. LA to be completed in 6 months.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
25	2006-07	MAS Division - Proposed ROB in lieu of LC No.40 @ km.40/ 2 - 4 in between Urupakkam and Guduvancheri stations in MS -VM section.	13.25	18.46	9.6773	Work completed	Work completed	100	100	Rly – Completed in November 15. State – Work completed, Opened for traffic
26	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.	5.84	5.84	0.5698	NF	NF	0	0	GCC had convened an Inter Departmental Committee meeting on 06-03-2020 and decided to drop this work. However vide CAO/ C Lr Dt. 12/03/20 to CE/RSW decision on this is awaited.
27	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.	8.56	9.21	5.7209	NF	NF	0	0	Railway Portion: It is not feasible to provide temporary LC in LC 81, since no approach road facilities exists at site. Highways has to provide approach at Vaniyambadi approach and as advised DEE/Project /Highway/, Vellore vide Ir.No. 148/CN/MAS/867A dt.04.10.19. Enchroachments removed by MAS Division. State Govt. should clear water way on Down Stream of Br.569 & 570. Diversion of Road is not a problem. Retender yet to be called by Rlys.Approach Portion: Tender will be called after completion of LA. RAS under preparation.
28	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)	5.64	6.10	6.1004	NF	NF	0	0	GCC had convened an Inter Departmental Committee meeting on 06-03-2020 and decided to execute FOB with lifts.GAD submitted to CN/HQ is under scrutiny.
29	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.	8.97	18.96	9.2337	Work completed	Work completed	100	100	Commissioned during Jan 2018ALHS: Pedestrian subway insertion of box is to be done. Highway portion work will be started after the completion of Railway portion.
30	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.	12.87	18.08	3.2939	Work completed	Work completed	100	100	Commissioned during 2016-17
31	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.	6.38	6.37	5.2613	Work completed	Work100 completed	100		Rly: completed during Feb 15 State: completed & opened for traffic Subway tender awarded
32	2007-08	TPJ Division - ROB in lieu of L.C.No. 304 at km 354/8 -9 in Thanjavur yard in TPJ - MV section.	9.17	32.76	4.7203	Work completed	Work completed	100	100	ROB Commissioned June'18. Subway commissioned.

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
33	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.	7.73	18.02	16.0562	Work completed	Work completed	100	100	Railway Portion: Work completed in Feb-19. Approach Portion: Work completed and commissioned in Dec-20
34	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.	10.02	12.19	8.2392	Work completed	Jun-21	100	85	Railway portion completed. In Mar 13. LUS TAD approved.State: On Vavipalayam side abutment A1 and deck slab completed. For approach portion, soil report obtained from NIT. Formation of embankment with geogrid has to be designed and to be got approved from Chennai IIT.
35	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.	6.56	6.55	8.3271	Work completed	NF	100	0	Railway Portion: Work completed in Nov.14. LUS:LUS GAD returned from CBE/MAS for conformation of seepage wall requirement by division.Approach Portion: Tender will be called for after completion of LA .
36	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.	8.81	13.40	-0.3266	Work completed	May-21	100	90	Railway Portion: Work completed in Mar-2016. PSW- All boxes cast. Launching by Cut open method awaiting for Line Block. Approach Portion:ROB trestle portion completed. Approach work is in progress. All works will be completed by 31.03.2021. PSW is being executed by Railways.
37	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.	7.44	7.44	5.3390	NF	NF	0	0	Proposed for deletion since, work could not be taken up due to LA and other issues.
38	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.			11.3564	NF	NF	0	0	Due to the doubling of MDU - TN Railway line, Railways requested urgent closure of LC No. 487 and stated that LUS at this LC is not possible. Joint inspection report sent to Chief Bridge Engineer, Southern Railways on 19.07.2019 to delete this work.
39	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.	11.42	7.41	1.0202	Work completed	May-21	100	95	Rly: Work completed during July-17 HW: RUB completed. Service Road work is in progress, where ever work front is available. LA under progress
40	2007-08	MAS Division - Proposed ROB in lieu of LC.No.15 @ km. 35/30 - 32 between Tiruvallur - Tiruninravur stations in MAS - AJJ section.	6.85	9.86	7.3788	Work completed	Jul-21	100	60	Railway portion: completed in Feb-2016.LC physically closed. Approach Portion: Deck slab 11/17 completed. LA Payment made to Revenue department. LA completed . Court Case

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
41	2007-08	MAS Division - ROB in lieu of L.C.No. 93 at km 124/ -3 in between Olakkur-Tindivanam stations in MS - VM section.	7.67	15.48	8.1797	Work completed	Work completed	100	100	Railway portion work completed in Mar-16 Commissioned on 31/10/2018
42	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	8.73	19.00	11.0109	Work completed	Work completed	100	100	Railway Portion: Work completed during Jan-2019. Approach work for LUS completed by Railways. HW to expedite approaches. Also height gauges to be erected by HW. Approach Portion: Commissioned in June-20
43	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.	43.78	18.77	12.4659	Mar-22	Dec-22	10	0	Railways: Old ROB dismantled. Pile foundation design and drawings approved. Pile work commenced. GCC: Tender called for GCC portion of the work. Tender settled. Letter of Acceptance issued to the contractor on 19.10.2020. Preliminary works are in progress
44	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	9.32	5.7678	Work completed	Work completed	100	100	Commissioned on 13.11.15 LUS: Railway portion completed approach: Tender approved. Agreement executed on 04.11.2019 Earthwork for foundation on Ondiputhur side is in progress. On Irugur side, 8 Railway signal cables are to be removed by Railways. Shifting is in progress by Railways.
45	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.	6.49	14.64	0.6736	Work completed	Work completed	100	100	Commissioned during Jun-2019
46	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.	7.17	7.18	3.2707	NF	NF	5	0	Railway Portion: contract foreclosed as one pier located in private land and land not yet handed over by State Govt. HW to expedite the land acquisition Approach Portion: Tender will be called after completion of LA
47	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.	10.71	14.15	14.5373	Work completed	Work completed	100	100	Phase-I New 4 lane ROB commissioned during July 2018 except Chennai arm.CN to prepare the GAD for Phase-II and dismantling old ROB.
48	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	13.88	11.54	4.9932	Work completed	Work completed	100	100	Commissioned during Jun-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
49	2009-10	TPJ Division - Tiruchirappalli -Dindigul - 4 lane ROB in lieu of 2 lane bridge No.1136 near Tiruchchirappalli Jn @ km. 340/ 600 - 700	28.57	75.00	5.3255	NF	NF	60	60	Phase-I New 4 lane ROB commissioned during July 2018 except Chennai arm. CN to prepare the GAD for Phase-II and dismantling old ROB.
50	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.	9.98	9.98	6.1661	NF	NF	25	0	Railway portion: Sub structure work in progress. Launching Scheme of girder under the approval of CBE. After approval Launching scheme, CRS application will be submitted. Approach portion:RBDCK is planning to execute by inviting quotations after getting approval from State Govt.
51	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.	11.70	11.69	5.9897	Work completed	May-21	100	70	Railway Portion: Work completed during July-17 Approach Portion: Out of 116 piles, 92 completed. Pile cap 21/28 completed. Abutment 2/2 completed. Pier 19/26 completed. Capping beam 13/26 completed. Deck 10/28 Completed. Retaining wall and side drain works are in progress.
52	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.	11.55	18.69	4.0611	Mar-22	Aug-21	20	20	Railway PortionPile cap completed. Composite girder under fabrication.Approach Portion: Out of 128 piles, 128 completed. Pile caps, 31 / 32 completed,Pier 29 / 32 completed. Capping beam 26 / 32 completed. Deck slab 12 / 28 completed. A1 & A2 completed. Further Work is in progress.
53	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.	9.20	15.75	4.8566	Work completed	May-21	100	80	Railway Portion: work completed in Nov.14. subway completed.Approach Portion:Out of 28 Decks 23 Nos completed. For Balance work (part-I) Decks slabs adjacent to Railway span is in progress. LA - compensation to be paid after court order.
54	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.	10.47	12.00	4.7704	Work completed	Work completed	100	100	Commissioned 03.12.17
55	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.	0.60	0.60	6.8074	May-21	May-21	50	0	Railway: Retender awarded. Entire work by Railways. Boxes cast. CRS sanction obtained. GAD with alteration approved.HW:Railway authorities accepted to construct Staircase portion . Hence, no civil work done by Highways. Only claims to be submitted. The stairway for pedestrian underpass is to be taken up by Railways.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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	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.	10.73	10.73	2.8005	Work completed	NF	100	0	Railway Portion: Railway portion - completed in Mar'2015fApproach: Estimate sent to Highways for counter signature.Approach Portion: Work will be commenced after completion of LA.for LUS: Rly:LHS GAD returned from CBE/MAS for conformation of seepage wall requirement by division. Agency available. CRS sanction under process.
57	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.	13.13	21.76	7.4101	Work completed	Work completed	100	100	Commissioned during Jun-2019
58	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.	5.50	0.00	3.9475	Work completed	Work completed	100	100	Railway portion - completed in Feb-14. Approach Portion:Commissioned in Feb-19
59	2011-12	MAS Divn - ROB in lieu of LC No.75 at Km. 97/15-16 near Acharapakkam station in bet.Pakkam & Acharapakkam stations	21.16	21.15	0.2428	Work completed	NF	100	0	Railway Portion: Track span work completed. Balance one Rly span tender will be called after commencement of Highways portion.Approach Portion: Tender will be called after completion of LA. LA is in advance stage.
60	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.	17.98	17.97	2.2568	Work completed	Dec-21	100	5	Railway Portion:Work completed during Dec-17. Approach Portion: LA in final stage. Final award is awaited. . Detailed report justifying the deviation in the construction of railway portion and revised Railway GAD as per site condition were requested to Chief Projects Director, Southern Rly and Chief Engineer/ RSW, Southern Rly on 20.07.2020 & 09.10.2020. On receipt, the estimate may be revised (if necessary) and work can be commenced
61	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	18.96	18.96	1.1408	Work completed	NF	100	45	Railway Portion: Track portion work completed on Jun-16. Rly Contract foreclosed. One span in Railway portion held up due to LA. LC Closed and re-opened due to public protest.District collector has instructed in joint inspection to Highway to provide temporary road at LC.79 Polur station VM end parallel to track connecting up to 200m between LC and Railway goods platform.Approach Portion: 15/26 Decks completed. Contract foreclosed on 24.04.2018. Work on NH side can be takenup after LA. LA is 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
62	2011-12	MAS Divn - ROB in lieu of LC No.13 at Km.31/12-14 in between Thiruninravur and Veppambattu stations.	17.93	17.92	4.5035	Work completed	NF	100	50	Railway Portion:-Work completed on Jun-16 Approach Portion: Contract foreclosed on 23.03.2020 .Work can be restarted after the completion of LA. 15(2) errata published on 23.09.20 and 16(1) proposal sent to Govt on 21.09.20. TDC for LA: 31.03.2021.
63	2011-12	MAS Divn - ROB in lieu of LC No.2B at Km. KOKG 22-24 in bet.Korukkupet – Veysarpadi stations.	19.03	21.80	0.5203	NF	NF	0	0	Railway Portion: Contract foreclosed as permission for Gate closure not permitted by dist collector as diverting traffic not done by Highways.
64	2011-12	MAS Divn - ROB in lieu of LC No.16 at Km.24/16-18 in between Minjur and Anuppambattu stations.	19.51	19.51	12.8788	Jan-22	NF	40	0	Railway Portion:4 spans in Railway portion. 2 spans CG launched. 2 spans with PSC. LA required for pier construction. Only after completion of Land Aquisition,work could be started.GAD for additional LHS approved.Approach Portion: LA is progress
65	2011-12	SA Divn - Ped Subway in lieu of L.C. No.3 at Km.2/9-11in between Irugur – Pilamedu Stations.	16.67	16.66	0.0145	NF	NF	0	0	Railway Portion: Estimate under processApproach Portion: Design is completed for ROB. Estimate is under preparation for according Technical Sanction.
66	2011-12	MAS Divn - ROB in lieu of LC No.32 at Km.32/16-18 at Perungalathur in between Tambaram and Vandalur stations.	17.75	19.36	5.9440	Work completed	Oct-22	100	20	Railway Portion: Track span Work completed during March-17. Adjascent spans to be done by Highways.Approach Portion:Work in progress.TDC: 23.10.2022.
67	2011-12	MAS Divn - ROB in lieu of LC No.2A at Km. KOKG 12-14 in bet. Korukkupet – Veysarpadi stations.	17.74	19.40	4.1200	NF	NF	0	0	Railway Portion: Contract foreclosed as permission for Gate closure not permitted by dist collector as diverting traffic not done by Highways.
68	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.	15.44	27.07	8.3067	Work completed	Work completed	100	100	Rly & HW Work completed. Commisioned on Aug'19 (26.08.19)
69	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.	21.70	21.70	7.5490	Dec-21	Dec-21	0	0	Joint inspection conducted on 10.10.2019 and recommended FOB. GAD for FOB under scrutiny in TPJ division
70	2011-12	MAS Divn-ROB in lieu of LC No.59 at Km. 68/10-11 near Ottivakkam Station in bet.Chengalput & Ottivakkam stations.	18.07	18.07	9.5790	Work completed	May-21	100	90	Railway Portion: Completed in Mar-2016.Approach Portion::All decks(27/27) completed. Retaining wall completed and earth filling is in progress on both sides. Strip seal and crash barrier in progress. Final award passed. TD for ROB: 31.03.2021

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
71	2011-12	MAS Divn - ROB in lieu of LC No.64 at Km. 81/2-4 near Karunguzhi. Station in bet.Padalam & Karunguzhi stations.	18.93	18.92	15.8545	Work completed	NF	100	0	Railway Portion: Railway portion completed in Aug 2015.Approach Portion:TTender will be called after LA. Revised valuation under preparation. TDC for LA: 31.03.2021 CE/HW requested for provision of PSW instead of LUS. Agreeable for Railways. However after commissioning of ROB only PSW can be taken up in the exg. LC alignment. ROB is in shifted alignment. LC not Closed
72	2011-12	MAS Divn - ROB in lieu of LC No.88 at Km. 114/1-2 in Olakkur Yard	19.55	19.54	0.1725	Work completed	May-21	100	80	Railway Portion: Completed in June-2016. Approach Portion:Superstructure works completed. Approach works in progress.
73	2011-12	MAS Divn - ROB in lieu of LC No.102 at Km.134/28-30 in Mailam Yard	11.40	17.88	0.1635	Work completed	Work100 completed	100		Rly - Work completed Oct-15 ROB Commissioned during May-18
74	2011-12	MAS Divn - ROB in lieu of LC No.111 at Km.150/7-8 near Vikaravandi in bet. Perani and Mundiampakkam stations.	17.60	16.32	17.6089	Work completed	Work completed	100	100	Commissioned on 04.06.18
75	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.	39.90	40.73	3.7498	Work completed	Sep-21	100	60	Railway Portion:Work completed in Mar-2016. Subway-Completed Approach Portion: Work held up due to LA issue
76	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.			1.9838	Work completed	Sep-21	100	60	Railway Portion: Work completed during Sep-16. Subway Completed Approach Portion : Work held up due to LA issue
77	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.			13.2538	Work completed	Sep-21	100	60	Railway Portion :-Work completed during March-17. Subway Completed. Approach Portion -Work held up due to LA issue
78	2011-12	MDU Divn - ROB in lieu of LC No.473 at Km. 578/600-700 near Paramakudi in bet Sudiur and Paramakudi stations.	19.97	29.96	9.6675	Work completed	Work completed	100	100	Commissioned on 01-03-2016. Rly portion Subway 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
79	2011-12	Salem Market - Salem Town - Road over bridge in lieu of LC No.184.	16.42	16.82	0.0085	Work completed	NF	100	30	Railway Portion: Work completed during Nov-16. Approach Portion: Hasthampatty side 7/7 Deck slabs completed. Old Bus stand side 2/12 piers completed with capping beam. Further work is in progress. Retaining wall in Ch.480..00 - 550.00m (RHS) in old bus stand side completed. Railway portion completed. Possession taking to be done in the court case portion. Final award proposal for Rs.27.00 Crores approved by Government on 18.06.2020. Final Demand for Rs.32.36 Crores (till 30.11.2020) raised by DRO is to be paid.
80	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.	17.12	17.12	11.8780	Jul-22	NF	35	0	Railway Portion: LA for one side under process. Other side upto Trestle beam completed. Composite Girder fabricated and at site. Approach Portion: Draft award proposal under preparation. LA under process
81	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.	17.31	18.08	12.1547	Work completed	Work completed	100	100	Railway Portion: ROB including Pedstrain subway portion completed in Feb-2016. Approach Portion: Deck completed. Approach road Commissioned in June-20
82	2011-12	TVC Divn - ROB in lieu of LC No.118 at Km. 357/400-500 near Sengulam in bet Melappalayam and Sengulam stations	15.39	15.39	4.5944	Work completed	Work completed	100	100	Rly - Work completed during Jan-17 State: Commissioned in Aug17 LUS: Pedestrian subway is feasible instead of LUS on 16.09.2020. Field verification for LUS by Railways on 19.10.2020. Highways requested change of Box size.
83	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	18.59	18.83	12.1730	NF	NF	0	0	Railway Portion: Contract foreclosed Foundation in private land. LA by state government to be expedited. Approach Portion: RAS proposal is under preparation.. LA in progress
84	2011-12	MDU Divn - ROB in lieu of LC No.441 at Km. 535/300-400 near Sivaganga in bet Sivaganga and Melakkonnakkulam Stations.	10.32	17.72	0.0238	Work completed	Work completed	100	100	Commissioned during 2016-17
85	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.	22.13	22.12	3.4878	Work completed	Work completed	100	100	Commissioned during Jul-2018
86	2012-13	PGT Divn - ROB in lieu of LC No.7 at Km.27/200-300 at Angadipuram station.	6.38	19.13	1.4149	Work completed	Work completed	100	100	Commissioned on 26.03.2016

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
87	2012-13	SA Divn - Addl two lane RUB in lieu of exg RUB.No.314 at Km.370/32-34 Sankaridurg yard	14.20	14.20	0.0264	NF	NF	0	0	RUB not feasible. Proposal of deletion sent to Rly Bd
88	2012-13	TVC Divn - ROB in lieu of LC No.17 at Km.18/0-100 in between Kumbalam - Turavur stations.	18.73	18.62	0.4789	NF	NF	0	0	GAD Retruned to RBDCK on 21-05-19 after site verification. Project entrusted to RBDCK under KIIFB, DPR submitted to KIIFB for approval. After inspection KIIFB suggested some changes in alignment . GAD will be submitted after approval of DPR by KIIFB
89	2012-13	TPJ Divn - ROB in lieu of LC No.249 at Km.331/700-800 in between Srirangam and Tiruchchirappalli Town stations.	15.95	15.95	2.2161	NF	NF	0	0	Railway Portion:Estimate under process.Approach Portion: Preparation of Estimate under progress.
90	2012-13	MDU Divn - ROB in lieu of LC No.526 at Km.748/1-2 in between Ehrukone-Kundara stations.	20.62	18.62	5.1016	NF	NF	0	0	Railway portion: Alignment details yet to be received.Approach portion:Alignment is being changed. Joint Inspection conducted with NH officials. Reply awaited regarding combining the ROB and Fly Over in NH
91	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	0.0772	NF	NF	0	0	Estimate to be counter signed by State Govt. State Govt. requested Railways to execute at Railways Cost. Proposed for deletion.
92	2012-13	MDU Divn - ROB in lieu of LC No. 501 at Km.615/200-300 in between Ramanathapuram and Uchippuli stations.	28.32	30.07	8.9557	NF	Jun-21	30	50	Railway Portion:Work commenced. Closure of LC pending. Girder fabrication is completed. Railway portion on Keelakarai side located in private land & requires LA and this is pending as full amount is not deposited by HW for land acquisition Approach Portion: 6/16 Deck slab completed (ii) 13/14 Capping beam completed. ii) 1/2 Nos Abutment completed. Retaining wall completed on keelakarai sideFurther work is in progress
93	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:GAD under revision.Being near to yard, the GAD is being revised to accommodate future extension of platforms and provision of future tracks. Revised GAD under approval of Dy.CE/CN/II/TVCApproach portion:Work awarded on 06-11-2020

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
94	2012-13	MDU Divn - ROB in lieu of LC No.346 at Km.473/600-700 in Sholvandan Yard	11.31	11.31	9.1226	Work completed	Sep-21	100	80	Railway Portion: Work completed during March-17.Approach Portion:i) Main Bridge work(Trestle Portion) completed.ii) The contract has been foreclosed on 22.06.2020.iii) For Balance works, Tender is under scrutinyLA Stage:-Site has been handed over to Highways Department on 03.08.2020.
95	2012-13	PGT Divn - ROB in lieu of LC No.4 at km.10/300-400 in between Shoranur and Angadipuram stations.	19.62	18.62	0.0185	NF	NF	0	0	Railway portion: GAD approved. Railway Estimate under finalisation by CN/ERS. Joint inspn completed with revenue department. Approach portion:DPR approved by KIIFB. LA requisition submitted to District Collector Palkkad. 4(1) notification to be issued.
96	2012-13	TVC Divn - ROB in lieu of LC No.14 at Km.22/300-400 in between Punkunam and Guruvayur stations.	19.42	18.62	0.0195	NF	NF	0	0	Railway portion; GAD approved. GAD is being revised as suggested by Dr.E.Sreedharan/ Advisor to Railway Board,Revised GAD under approval.Approach portion: DPR approved. LA in final stage. Estimate in advance stage
97	2012-13	TVC Divn - ROB in lieu of LC No.555 at Km.175/1-2 in between Kappil - Edavai stations.	18.62	18.62	0.9083	NF	NF	0	0	Railway portion:GAD approved. Estimate prepared. Vetted detailed estimate is under approval of RBDCK since 21.02.2018. Approach portion: DPR approved. LA request submitted to Dist collector. LA started 11(1) published on 30-11-2019. LA is in final stage.
98	2012-13	MDU Divn - ROB in lieu of LC No.8 at Km.5/300-400 in between Dindigul and Akkaraippatti stations with LUS	15.60	16.94	8.0614	Work completed	Work completed	100	100	Railway portion work completed in Feb-18. Commissioned on 31/10/2018.For LUS Rly portion: RCC Box inserted.Highways: Work yet to be started. Estimate is under preparation.
99	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	Rly: Revised GAD resubmitted by RBDCK is put up on 14-12-2020HW: Projects Entrusted to RBDCK under KIIFB as per G.O (Rt) No.718/2018/PWD dated 19.04.2018 and fund for DPR preparation sanctioned vide order G.O (Rt) No.1156/2018/PWD dated 24.07.2018 Consultant for DPR preparation appointed on 24.08.2018. DPR under preparation. LA in 18 months.
100	2012-13	TPJ Divn - ROB in lieu of LC No.138 at Km.185/300-400 in between Panruti and Melpattambakkam stations.	15.91	17.48	2.8803	NF	NF	0	0	Rly: Revised GAD under preparation. Approach: Revised Railway GAD adopting bow string or open web girder requested to Railways.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
101	2012-13	MDU Divn - ROB in lieu of LC No.6 at Km.6/500-600 in between Palayankottai and Seydunganallur stations.	21.12	21.12	3.6599	NF	NF	40	90	Railway Portion: Foundation completed. RCC Columns in progress. HW: For ROB - 7/9 decks completed. Adjacent span near Railway span can be commenced only after completion of Railway Span by Railways. Tender for balance work under scrutiny For LUS - Revised GAD with extra widening and Super elevation in Railway portion of LUS received from Railways on 15.09.2020. Revised site plan and combined GAD to be submitted to CE(H), P,D&I.
102	2012-13	TVC Divn - ROB in lieu of LC No.3 at Km.6/7-8 in between Ernakulam and Tirupunihtura stations.	20.63	10.63	2.2755	Work completed	Work completed	100	100	Commissioned for traffic during June 2017. LC closed
103	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 diversion of traffic through ROB at LC39.
104	2012-13	MAS Divn-ROB in lieu of LC No.37 at Km.80/3-5 in Anavardikhanpettai station.	19.71	19.70	0.9871	Work completed	Mar-22	100	0	Railway Portion: Work completed during Jan-18 Approach Portion:Tender will be called after completion of LA and RAS. RAS proposal under scrutiny. 15(1) published. Valuation proposal under preparation. TD for LA: 31.03.2021 / TD for ROB: 31.12.2022
105	2012-13	TPJ Divn - ROB (4lane) in lieu of LC No.43A at Km.35/6-7 in between Chinnababu Samudram and Puducherry stations.	37.74	60.62	0.9413	Work completed	Work completed	100	100	Work completed. Subway completed.App. - Commissioned during Aug-17
106	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)			3.5919	NF	NF	60	50	Work in progress
107	2012-13	Shoranur-Ernakulam - 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	LC-12 ERS-KTYM-QLN Section. Work completed and commissioned in Nov-20
108	2012-13	Shoranur-Ernakulam - Limited height subway in lieu of level crossing No.12 and Eranakulam-Kottayam-Quilon - level crossing No.12 & 37			0.0000	Work completed	Work completed	100	100	Work completed and commissioned by TVC 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
109	2012-13	MDU Divn -RUB in lieu of LC No.6 at Km.3/100-200 in between Dindigul and Akkaraippatti stations.	8.74	8.73	0.0000	NF	NF	0	70	Railway Portion: Contractor gone for arbitration. Work stoppedApproach Portion: Dindigul Side:- i) 47/193m Retaining wall, Raft Slab, kerb Brick and plastering work completed. Dindigul Side(Additional Arm)i) 94.00m /126.398 Rataining wall, Raft Slab, kerb Brick and plastering work completed Karur Side:-i) 118.11/132.66m Raft Slab, Rataining wall, kerb and Brick work completed
110	2012-13	TVC Divn -ROB in lieu of LC No.12 at Km.16/200-300 in between Thripunithura - Mulamthuruthy stations.	20.62	18.62	0.9939	Work completed	NF	100	0	Railway portion: Completed Mar-18Approach portion: Land acquisition completed . Revised Administrative Sanction obtained on 02.10.2020. Tender to be called.
	2013-14	Madurai Division-Elimination of level crossings by limited Heightsubways (54 Nos) (Phase-I)			102.2689					Estimate sanctioned for Rs.120.74 cr Work completed during June-19
111	2013-14	UM LC No.9 at Km.11/500-600 in TEN-SDNR stations			0.0000	Work completed	Work completed	100	100	Work completed during June-19.
112	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
113	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
114	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
115	2013-14	UM LC No.31 at Km.37/300-400 in SVV-NZT stations			0.0000	Work completed	Work completed	100	100	LC eliminated by Dvn
116	2013-14	UM LC No.34 at Km.40/14-15 in TEN-SMD stations			0.0000	Work completed	Work completed	100	100	Work completed Mar-18. LC closed
117	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 completed for diversion
118	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
119	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
120	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
121	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
122	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

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
123	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
124	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
125	2013-14	UM LC No.69 at Km.76/8-9 in ASD-KKY stations			0.0000	Not feasible	Not feasible	0	0	Manning by MDU Dvn.
126	2013-14	UM LC No.78 at Km.86/12-13 in MTE-PCM stations			0.0000	Not feasible	Not feasible	0	0	Diversion by division.
127	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.
128	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
129	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
130	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
131	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
132	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
133	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
134	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
135	2013-14	UM LC No.455 at Km.603/900-604/0 in RJPM-SNKL stations			0.0000	Work completed	Work completed	100	100	Work completed in April 2018
136	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
137	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
138	2013-14	UM LC No.459 at Km.558/500-600 in MNM-SUX stations			0.0000	Not feasible	Not feasible	0	0	Manning by MDU Dvn.
139	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

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
140	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
141	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
142	2013-14	UM LC No.467 at Km.570/200-300 in SUX-PMK stations			0.0000	Work completed	Work completed	100	100	Work completed during March-17
143	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
144	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
145	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
146	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
147	2013-14	UM LC No.479 at Km.627/5-6 in SNKL-PBKS stations			0.0000	Work completed	Work completed	100	100	Work completed during Feb-18
148	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
149	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
150	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
151	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 done by diversion
152	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
153	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
154	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
155	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
156	2013-14	UM LC No.496 at Km.610/700-800 in SQD-RMD stations			0.0000	Work completed	Work completed	100	100	Work completed during in March-17

completed
completed

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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	2013-14	UM LC No.497 at Km.611/700-800 in SQD-RMD stations			0.0000	Work completed	NF	100	80	LC eliminated by manning. Box inserted in shifted alignment, public agitation for wanting heigher height subway.
158	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
159	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
160	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
161	2013-14	UM LC No.533 at Km.662/100-200 in PBM-RMM stations			0.0000	Not feasible	Not feasible	0	0	Diversion by division
162	2013-14	UM LC No.534 at Km.662/700-800 in PBM-RMM stations			0.0000	Not feasible	Not feasible	0	0	Not feasible, manning by division
163	2013-14	UM LC No.536 at Km.664/500-600 in PBM-RMM stations			0.0000	Work completed	Work completed	100	100	Work Completed during May-17
164	2013-14	UM LC No.538 at Km.665/900-666/0 in PBM-RMM stations			0.0000	Not feasible	Not feasible	0	0	Not feasible, manning by division
	2013-14	Mayiladuthurai-Karaikkudi - Subways in lieu of level crossings (17 nos)			1.6391					In GC Project section: Subway work were taken up wherever sufficient embankment available, as per working section for TVR-PKT many Subway are not feasible.
165	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
166	2013-14	UM LC No.156 at Km160/8-9 bet. ATQ-KNPL stations			0.0000	Not feasible	Not feasible	0	0	Not feasible, converted as Manned LC
167	2013-14	UM LC No.158 at Km162/1-2 bet. ATQ-KNPL stations			0.0000	Not feasible	Not feasible	0	0	Work executed by TPJ Dvn. Vide letter No. T/W.351/LUS/G1/2019 dt.22.08.2019
168	2013-14	M LC No.160 at Km164/11-12 bet. ATQ-KNPL stations			0.0000	Not feasible	Not feasible	0	0	Not feasible, converted as Manned LC
169	2013-14	UM LC No.164 at Km167/13-14 bet. ATQ-KNPL stations			0.0000	Not feasible	Not feasible	0	0	Not feasible, converted as Manned LC
170	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
171	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

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						Bridge	Approaches	Bridge	Approaches	
1	2	3	4	5	6	7	8	9	10	11
172	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
173	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
174	2013-14	UM LC No.100 at Km119/800-900 bet. PKT-PVI stations			0.0000	Not feasible	Not feasible	0	0	Not feasible, converted as Manned LC
175	2013-14	M LC No.101 at Km120/300-400 bet. PKT-PVI stations			0.0000	Not feasible	Not feasible	0	0	Not feasible, converted as Manned LC
176	2013-14	UM LC No.103 at Km121/700-800 bet. PKT-PVI stations			0.0000	Not feasible	Not feasible	0	0	Work executed by TPJ Dvn. Vide letter No. T/ W.351/LUS/G1/2019 dt.22.08.2019
177	2013-14	UM LC No.106 at Km124/000-100 bet. PKT-PVI stations			0.0000	Not feasible	Not feasible	0	0	Not feasible, converted as Manned LC
178	2013-14	M LC No.108 at Km125/900-126/000 bet. PKT-PVI stations			0.0000	Not feasible	Not feasible	0	0	Not feasible, converted as Manned LC
179	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
180	2013-14	M LC No.120 at Km134/500-600 bet. PVI-AYI stations			0.0000	Not feasible	Not feasible	0	0	Not feasible, converted as Manned LC
181	2013-14	UM LC No.128 at Km138/900-139/000 bet. PVI-AYI stations			0.0000	Not feasible	Not feasible	0	0	Not feasible, converted as Manned LC
182	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.	22.14	22.14	3.7614	Dec-21	NF	50	0	Railway Portion:Track span completed. Adjacent span of Railway portion need LA. Approach Portion: LA in progress. Administrative Sanction accorded for work on 12.08.2020. Estimate under preperation for obtaining technical sanction.
183	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	19.14	19.14	0.8134	NF	NF	0	0	Railway Portion: Proposed ROB alignment is at LC location. ROB work can only taken up on commossioning of ROB @ LC184.Approach Portion: Design work is in progress in Design wing. LA under process
184	2013-14	TPJ Divn:Pro 2L ROB in lieu of LC No. 34 at Km.50/800-900 in bet. Kulikarai & Thiruvavar Rly Stns	18.81	18.81	1.4700	Work completed	NF	100	0	Railway Portion: Completed in Mar-18. FOB has to be carried out after completion of Highways portion.Approach Portion:A.S obtained from Govt. On completion of Land acquisition, tender will be floated.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
185	2013-14	TPJ Divn: Pro 2L ROB in lieu of LC No.123 at Km.147/100-200 in bet. Kaniyambadi & Vellore Cantonment stations	18.76	18.76	5.0400	Work completed	Work completed	100	100	Railway Portion: Work completed during June-19 Approach Portion: Commissioned on Aug'19 (26.08.19)
186	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	24.34	45.34	29.7261	Work completed	May-21	100	80	Railway Portion: Work completed during Feb-21. Approach Portion: All spans completed except 4 deck slab. Balance work will start after completion of Railway span.
187	2013-14	TVC Divn: Pro 2L RUB in lieu of LC No.82 at Km.322/15-16 in bet. Valliyur & Nanguneri stations	21.05	21.05	2.8578	Work completed	NF	100	60	Railway Portion: Work completed in Aug-18 Approach Portion: Raft slab concrete completed. Retaining wall work is in progress. Award passed by District Revenue officer, Tirunelveli on 17.09.2020 and amount paid to land owners.
188	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.	18.56	18.46	0.0469	NF	NF	0	0	DPR under preparation. survey work completed alignment to be finalised. Discussion with Clay factory is in progress.
189	2013-14	TVC Divn: Pro 2L ROB in lieu of LC No.573 (Kaniyapuram) at Km.202/700-800 in between Murukkampuzha - Kazhakuttam stations.	17.18	17.08	0.0471	NF	NF	0	0	Revised draft GAD submitted by RBDCK has been verified and kept pending for SILVER LINE (High speed Rail corridor) verification.
190	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.	16.40	16.40	13.3919	Work completed	Work completed	100	100	Completed in Jun-16 opened for traffic LC closed
191	2013-14	TVC Divn: Pro 2L ROB in lieu of LC No.567 (Sarkara) at Km.192/100-200 in between Chirayinkeezh - Murukkampuzha stations.	18.74	18.74	0.0465	NF	NF	0	0	Parallel road is constructed connecting LC Nos. 567 & 569 (300m) and traffic diverted to parallel road. Latest TVU to be checked. GAD to be submitted. Combined proposal for a single ROB in lieu of LC Nos 567 & 569 vide letter dated 30-07-200 has been verified and returned with remarks on 21-10-2020. DPR under preparation. LA in 18 months. GAD to be submitted.
192	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	18.55	18.45	0.0475	NF	NF	0	0	DPR under preparation. LA in 18 months. survey completed. Concept report with alignment option submitted to KIIFB for approval

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
193	2013-14	PGT Divn: Pro 2L ROB in lieu of L in between Kotikulam - Kasaragod stations.	13.81	13.81	0.6605	NF	NF	0	0	Revised draft GAD submitted by RBDCK has been verified and kept pending for SILVER LINE (High speed Rail corridor) verification.
194	2013-14	TVC Divn: Pro 2L ROB in lieu of LC No.569 (Manjadimoodu) at Km.192/800-900 in between Chirayinkeezh - Murukkampuzha stations.	19.07	18.97	0.0467	NF	NF	0	0	Parallel road is constructed connecting LC Nos. 567 & 569 (300m) and traffic diverted to parallel road. Latest TVU to be checked. GAD to be submitted. Single ROB for LC Nos. 567 & 569 is under study. RBDCK will submit Alignment details by 04.08.2020 (combined ROB for LC Nos. 567 & 569)
195	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 Prepration. LA needed for Rly work. Estimate yet to be received from RBDCK. CRS advised for closure of LC. Approach portion: DPR approved by KIIFB and LA in progress SIA report approved by expert committee. 11(1) notification will be published. (11 months for LA).
196	2013-14	TVC Divn: Pro 2L ROB in lieu of LC No.41 (Mamparakannyil) at Km.118/0-100 in between Kayankulam - Ochira stations.	20.88	20.78	0.1932	NF	NF	0	0	Revised draft GAD submitted by RBDCK has been verified and GAD is found to have full of errors.GAD returned with remarks on 09-12-2020. Adviced to send a technical person from RBDCK for finalisation of GAD.
197	2013-14	MDU Divn: Pro 2L ROB in lieu of LC No.528 at Km.749/700-900 in between Kundhara - Kollam stations.	18.10	18.10	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.
198	2013-14	TVC Divn: Pro 2L ROB in lieu of LC No.24 (Nedupuzha) at Km.35/7-8 in between Trichur - Ollur stations.	13.11	13.01	0.3959	NF	NF	0	0	Railway portion: GAD approved.Signed PDF copy of approach estimate is awaited from RBDCK.. Approach portion: Project included under KIIFB. Approved by KIIFB, Orders from KIIFB Awaited. LA started. Estimate countersigned and returned on 6-12-2019. DC appointed SIA agency.
199	2013-14	TVC Divn: Pro 2L ROB in lieu of LC No.56(Chirangaraa) at Km.70/300-400 in between Chalakudi - Karukutty stations.	12.92	12.82	0.0464	NF	NF	0	0	Railway portion: GAD approved. Estimate prepared by CN and kept ready.Estimate of approach portion received on 06.08.20.Approach portion: Tender awarded on 06-11-2020.

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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
200	2013-14	PGT Divn: Pro 2L ROB in lieu of LC No.180 (Vattampoyil) at Km.663/700-800 in between Kallayi – Kozhikode stations.	21.71	21.61	0.0520	NF	NF	0	0	Alignment details awaited from State Government. GAD can be finalised only after mono rail project at Calicut
201	2013-14	TVC Divn: Pro 2L ROB in lieu of LC No.566 (Chirayinkil) at Km.191/400-500 in between Chirayinkeezh - Murukkampuzha stations.	16.14	16.04	0.0460	NF	NF	0	0	Railway portion: GAD approved on 10.10.2018. Tender finalised. Approach portion: Tender awarded on 06-11-2020. DC advised to accord permission for closure of LC. 10 ROB works under single entity is under scrutiny by Railways
202	2013-14	Chennai-Arakkonam - Subway in lieu of level crossing No.6 at km 15/10-12 between Villiwakkam and Ambattur stations	6.97	0.00	0.9013	Jan-22	Nov-21	10	0	Rly: Work in progress. Casting of boxes in progress. Precast box insertion planned Approach: Design work is in progress. Tender will be called immediately after receiving the Design and Drawings from the Consultant.
	2013-14	Ernakulam Jn-Kottayam-Kayanakulam Jn - Subways in lieu of level crossings (12 Nos)	36.97	0.00	0.1195					
203	2013-14	LC No.17 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
204	2013-14	LC No.11 in ERS-KTYM-KYJ section			0.0000	Work completed	Work completed	100	100	Works completed during Jan'16
205	2013-14	LC No.23 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
206	2013-14	LC No.25 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
207	2013-14	LC No.28 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
208	2013-14	LC No.29 in ERS-KTYM-KYJ section			0.0000	NF	NF	20	0	Estimate sanctioned
209	2013-14	LC No.31 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
210	2013-14	LC No.32 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
211	2013-14	LC No.34 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
212	2013-14	LC No.35 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
213	2013-14	LC No.37 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
214	2013-14	LC No.38 in ERS-KTYM-KYJ section			0.0000	NF	NF	0	0	Estimate sanctioned
	2013-14	TVC Division - Ernakulam Jn-Alleppey-Kayanakulam Jn - Subways in lieu of level crossings (12 Nos)	21.12	0.00	0.0048					

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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
215	2013-14	LC No.14 in ERS-ALLP-KYJ section			0.0000	NF	NF	0	0	GAD under finalisation.
216	2013-14	LC No.94 in ERS-ALLP-KYJ section			0.0000	work completed	work completed	100	100	Work completed and commissioned in Nov-20
217	2013-14	LC No.97 in ERS-ALLP-KYJ section			0.0000	Not feasible	Not feasible	0	0	Decided not to construct subway instead, a parallel road to adajacent LC is proposed
218	2013-14	LC No.102 in ERS-ALLP-KYJ section			0.0000	NF	NF	20	0	Box casting in progress.
219	2013-14	LC No.106 in ERS-ALLP-KYJ section			0.0000	NF	NF	20	0	Box casting in progress.
220	2013-14	LC No.109 in ERS-ALLP-KYJ section			0.0000	NF	NF	20	0	Box casting in progress.
221	2013-14	LC No.110 in ERS-ALLP-KYJ section			0.0000	NF	NF	20	0	Box casting in progress.
222	2013-14	LC No.112 in ERS-ALLP-KYJ section			0.0000	Not feasible	Not feasible	0	0	Not feasible
223	2013-14	LC No.118 in ERS-ALLP-KYJ section			0.0000	NF	NF	20	0	Box casting in progress.
224	2013-14	LC No.119 in ERS-ALLP-KYJ section			0.0000	NF	NF	20	0	Box casting in progress.
225	2013-14	LC No.1 in ERS-ALLP-KYJ section			0.0000	NF	NF	0	0	Tender to be called
226	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 Heightsubways (131 Nos)	224.90	0.00	112.6762					
227	2013-14	UM LC No.1 at Km.2/10-11 in MDU-BDNK section			0.0000	Not feasible	Not feasible	0	0	Section under GC Subway not feasible and proposed for manning
228	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
229	2013-14	UM LC No.2 at Km.4/6-7 in MDU-BDNK section			0.0000	Not feasible	Not feasible	0	0	Not feasible, UM LC eliminated by manning
230	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
231	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
232	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
233	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, UM LC eliminated by manning

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
234	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 Work completed during Feb-18
235	2013-14	UM LC No.10 at Km.9/000-100 in DG-POY section			0.0000	work completed	work completed	100	100	
236	2013-14	UM LC No.10 at Km.12/1-2 in MDU-BDNK section			0.0000	Work completed	NF	100	40	Box casting Completed. Approach work stopped by local public and request for manning.
237	2013-14	UM LC No.10 at Km.13/4-5 in MEJ-TN section			0.0000	Not feasible	Not feasible	0	0	Not feasible and in harbour siding
238	2013-14	UM LC No.11 at Km.13/900-14/000 in MDU-MNM section			0.0000	Not feasible	Not feasible	0	0	UMLC eliminated by manning
239	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
240	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
241	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
242	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
243	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, UM LC eliminated by manning
244	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. Manning by MDU Dvn.
245	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
246	2013-14	UM LC No.17 at Km.16/600-700 in DG-POY section			0.0000	Not feasible	Not feasible	0	0	Manned by division.
247	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
248	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
249	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 .
250	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

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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
251	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
252	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
253	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
254	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
255	2013-14	UM LC No.21 at Km.581/14-15 in MNM-VPT section			0.0000	Work completed	Work completed	100	100	LC eliminated during July-18. Boxes cast. Public stopped the work and wanted skew alignment subway in exg road
256	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
257	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 by MDU Dvn.
258	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
259	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
260	2013-14	UM LC No.26 at Km.28/0-1 in MDU-BDNK section			0.0000	Not Feasible	Not Feasible	0	0	Not feasible, UM LC eliminated by manning
261	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
262	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
263	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
264	2013-14	UM LC No.30 at Km.41/900-42/000 in MDU-MNM section			0.0000	Not Feasible	Not Feasible	0	0	Subway not feasible and proposed for manning
265	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
266	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
267	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

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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
268	2013-14	UM LC No.40 at Km.41/5-6 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	Work completed and commissioned in June-20
269	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
270	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
271	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
272	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
273	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
274	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
275	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
276	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
277	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
278	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
279	2013-14	UM LC No.49 at Km.55/6-7 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	Completed and commissioned in Nov-2020
280	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
281	2013-14	UM LC No.51 at Km.613/4-5 in MNM-VPT section			0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
282	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
283	2013-14	UM LC No.54 at Km.60/5-6 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	Work completed and commissioned in Dec-20
284	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

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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
285	2013-14	UM LC No.60 at Km.54/14-15 in DG-POY section			0.0000	Not Feasible	Not Feasible	0	0	Not feasible, Manning by MDU Dvn.
286	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
287	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.
288	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
289	2013-14	UM LC No.65 at Km.70/9-10 in MDU-BDNK section			0.0000	Not feasible	Not feasible	0	0	Section under GC Subway not feasible and proposed for manning
290	2013-14	UM LC No.68 at Km.76/3-4 in TEN-TSI section			0.0000	Work completed	Work100 completed	100		LC closed Subway commissioned Jun'18
291	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
292	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
293	2013-14	UM LC No.79 at Km.85/6-7 in MDU-BDNK section			0.0000	Work completed	Work completed	100	100	Subway completed during July-19
294	2013-14	UM LC No.80 at Km.87/4-5 in MDU-BDNK section			0.0000	Work completed	May-21	100	10	Cast in situ box completed and approach in progress
295	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
296	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
297	2013-14	UM LC No.102 at Km.99/13-14 in DG-POY section			0.0000	Work completed	Work completed	100	100	Completed during Jan-17
298	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
299	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
300	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

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
301	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
302	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
303	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
304	2013-14	UM LC No.273 at Km.368/400-500 in TPJ-DG section			0.0000	Work completed	Work100 completed	100		Completed in July-17. LC closed
305	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
306	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
307	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
308	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
309	2013-14	UM LC No.337 at Km.415/200-300 in TPJ-MNM section			0.0000	Not feasible	Not feasible	0	0	Manning by MDU Dvn.
310	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
311	2013-14	UM LC No.340 at Km.468/800-900 in DG-MDU section			0.0000	Not feasible	Not feasible	0	0	Manning by MDU Dvn.
312	2013-14	UM LC No.347 at Km.474/800-900 in DG-MDU section			0.0000	Not feasible	Not feasible	0	0	Manning by MDU Dvn.
313	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
314	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
315	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
316	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
317	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

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
318	2013-14	UM LC No.381 at Km.514/700-800 in MDU-VPT section			0.0000	Not feasible	Not feasible	0	0	Manning by MDU Dvn.
319	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
320	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
321	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
322	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
323	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
324	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
325	2013-14	UM LC No.401 at Km.478/2-3 in TPJ-MNM section			0.0000	Not feasible	Not feasible	0	0	Manning by MDU Dvn.
326	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
327	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
328	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 arrangment
329	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 arrangment
330	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
331	2013-14	UM LC No.431 at Km.570/000-100 in VPT-TSI section			0.0000	Not feasible	Not feasible	0	0	Manning by MDU Dvn.
332	2013-14	UM LC No.433 at Km.523/000-100 in TPJ-MNM section			0.0000	Not feasible	Not feasible	0	0	Manning by MDU Dvn.
333	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
334	2013-14	UM LC No.436 at Km.575/800-900 in VPT-TSI section			0.0000	Not feasible	Not feasible	0	0	Manning by MDU Dvn.
335	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 arrangment

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
336	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
337	2013-14	UM LC No.443 at Km.583/100-200 in VPT-TSI section			0.0000	Work completed	Work100 completed	100		Work completed during Aug-18
338	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
339	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
340	2013-14	UM LC No.449 at Km.600/500-600 in VPT-MEJ section			0.0000	Not feasible	Not feasible	0	0	Manning by MDU Dvn.
341	2013-14	UM LC No.459 at Km.612/800-900 in VPT-MEJ section			0.0000	Not feasible	Not feasible	0	0	Manning by MDU Dvn.
342	2013-14	UM LC No.460 at Km.559/600-700 in MNM-RMM section			0.0000	Not feasible	Not feasible	0	0	Manning by MDU Dvn.
343	2013-14	UM LC No.460 at Km.614/200-300 in VPT-MEJ section			0.0000	Not feasible	Not feasible	0	0	Manning by MDU Dvn.
344	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
345	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
346	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
347	2013-14	UM LC No.479 at Km.586/400-500 in MNM-RMM section			0.0000	Not feasible	Not feasible	0	0	Manning by MDU Dvn.
348	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
349	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
350	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
351	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
352	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

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
353	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
354	2013-14	UM LC No.521 at Km.638/700-800 in MNM-RMM section			0.0000	Not feasible	Not feasible	0	0	Manning by MDU Dvn.
355	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
356	2013-14	UM LC No.458 at Km.612/200-300 in VPT-MEJ section			0.0000	Not feasible	Not feasible	0	0	Manning by MDU Dvn.
357	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
358	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	19.07	19.07	0.0000	NF	NF	0	0	GAD submitted by RBDCK is verified and kept pending for verification of SILVER LINE (High speed Rail carridor) alignment.
359	2015-16	Pro ROB in lieu of LC No.293 at km. 877/100-200 near ULLAL station yard in SRR-MAQ section	17.50	17.50	0.0000	NF	NF	0	0	Alignment details awaited from State Government.
360	2015-16	Pro ROB in lieu of LC No.294 at km. 886/500-600 nea BUNDER Rly station MAQ-BUNDER section	18.20	18.20	0.0000	NF	NF	0	0	Alignment details awaited from State Government.
361	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	20.30	20.30	0.0000	NF	NF	0	0	Revised draft GAD resubmitted on 16-09-2020 is verified and kept pending for silverline.
362	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	Revised draft GAD resubmitted on 19-11-2020 is verified and kept pending for silverline.
363	2015-16	TPJ Divn: Pro 2L ROB in lieu of LC No. 226 at Km 311/800-900 in bet. Kattur & Lalgudi Rly Stns	20.22	20.22	-0.0150	NF	NF	0	0	Approved Railway GAD received from Railways on 27.08.2020. Preparation of combined GAD under Progress.
364	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	19.60	19.60	0.0000	NF	NF	0	0	Revised draft GAD resubmitted on 17-08-2020 is verified and kept pending for silverline.
365	2015-16	TVC Divn: Pro 2L ROB in lieu of LC No.55 at Km.129/8-9 in between Karunagapalli and Sasthankotta Rly Staions.	19.95	19.95	0.0000	NF	NF	0	0	Rly portion: GAD approved. CN will call tender after finalisation of tender by RBDCK. Approach portion Tender awarded on 06-11-2020. 10 ROB works under single entity is under scrutiny by Railways.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
366	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	Revised draft GAD submitted on 04-12-2020 under scrutiny by CN/ERS HW: Project approved by KIIFB. LA in progress.
367	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	draft GAD Resubmitted. Track in 4° Curve at the location. Span to be revised as 36 m. Adviced RBDCK on 12-08-2020. HW: DPR under preparation. GAD to be submitted.
368	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.GAD will be submitted by RBDCK after DPR approval.
369	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	Revised draft GAD returned to RBDCK for correction on 07-01-2020. kept pending for verification of SILVER LINE (High speed Rail carridor) alignment.
370	2015-16	MAS Divn: Pro 2L ROB in lieu of LC No. 67 at Km.160/2-4 in bet Melalathur & Valathoor Rly Stns	18.81	18.80	3.3459	Work completed	May-22	100	0	Railway Portion: Completed Mar-18. Approach Portion:Work will be commenced after completion of LA.
371	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	Corrected draft GAD Submitted by RBDCK on 03-12-2020 under scrutiny
372	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	Revised draft GAD submitted by RBDCK on 03-12-2020 is verified & kept pending for verification of SILVER LINE (High speed Rail carridor) alignment.
373	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	20.01	22.36	6.5183	Work completed	May-21	100	75	Railway Portion: Work completed during Dec-17 Approach Portion: Superstructure works nearing completion and approach works are in progress. LA under process.
374	2015-16	TPJ Divn: Pro 2L ROB in lieu of LC No.16 at Km.15/400-500 in bet. Mayiladuthurai & Peralam Rly Stns	19.14	19.14	9.0814	Work completed	NF	100	0	Railway Portion:Work completed in Feb-18 LUS Boxes Launched.Approach Portion: AS obtained from government on 23.07.2020 for Rupees 43.83 Crores. Estimate under preparation.LA under progress.
375	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:Revised GAD approved on 02.05.2016. Highways requested Railways not to commence the work in Railway portion until further advise from State Govt. Approach Portion: DPR is under proof checking in Designs wing.Technical Sanction accorded for carrying out Land Acquisition.Work can be commenced after completion of LA.

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
376	2015-16	MDU Divn: Pro 2L ROB in lieu of LC No. 377 at Km. 512/400-500 at Tirumangalam Rly Stns	20.26	20.55	0.6261	NF	NF	0	0	Rly: State Govt. revised the GAD with curved alignment in Railway portion and approved. Estimate sent to Accounts. Approach: Designs and Quantity estimate received from CE(H) Designs Wing and AS proposal under preparation
377	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	18.99	18.99	0.0000	Mar-22	NF	0	0	Rly: 2L ROB will be on cost sharing basis. Other 2 lane ROB will be on deposit terms by TNRSP. Entire additional 2L ROB is on Deposit terms will be executed by TNRSP. For cost sharing ROB, Railway portion to be executed by Railways & Approaches by TNRSP. Estimate sent to Accounts. HW: Retender to be called.
378	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	18.96	18.96	0.0000	NF	NF	0	0	Railway portion: Revised GAD approved. Detailed estimate sanctioned. Approach portion: TNRSP is modifying the Alignment. Survey work under progress.
379	2015-16	SA Divn: Pro 2L ROB in lieu of LC No. 18 at Km. 24/10-11 at Mecheri Road Yard	20.36	20.35	7.6206	Work completed	NF	100	15	Railway Portion: Completed. Approach Portion: Agreement executed on 27.05.2020. Footing 17/25 completed. Pier 17/25 completed. Capping Beam 7/25 completed. Deck- 3 numbers completed. Further work is in progress. LA under process
380	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	20.86	20.86	0.2298	NF	NF	0	0	Rly: Final GAD for LHS approved on 07-08-2019 and sent to CAO/CN/MS for execution. Estimate revised for LHS and under Accounts scrutiny. HW: Design for LUS completed. Estimate is under preparation for AS.
381	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	18.80	19.96	2.3582	May-21	Jul-21	30	30	Railway Portion: Sub structure completed upto bottom of Trestle beam on both piers. CG fabricated and at site. Road diverted. Approach Portion: 8/22 Deck slab completed. LA under process. For LUS - To be executed entirely by Railways - requisition sent to Rlys. Joint inspection conducted on 23.10.2020.
382	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	19.54	19.54	2.8867	Work completed	NF	100	15	Railway Portion: Completed Mar-18. Approach Portion: Agreement executed on 27.05.2020. Footing 12/13 completed. Pier 11/11 completed. Capping beam 9/11 completed. Deck-4 numbers completed. Further work is in progress.. LA under process

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
383	2015-16	MAS Divn: Pro 2L ROB in lieu of LC No.26 at km35/6-8 bet. Ponneri & Kavaraipettai Rly Stns	19.31	21.05	7.0840	Oct-21	NF	60	0	Railway Portion: Composite Girder launched for track span. Addl. Two spans - substructure completed; agency to be fixed for PSC super structure. Tender for addl span will be called after LA Approach Portion: LA in process. Revised valuation under preperation
384	2015-16	MDU Divn: Pro 2L ROB in lieu of LC No. 427 at Km. 563/100-200 at Sivakasi Yard	19.92	20.13	0.0529	Feb-22	NF	0	0	Rly: GAD Approved. Estimate under preparation. HW: AS Proposal for work is under preparation.
385	2015-16	SA Divn: Pro 2L ROB in lieu of LC No. 21 at Km. 31/9-10 in between Mecheri Road and MetturDam Rly Stns	18.79	18.79	0.4227	Mar-22	Dec-21	0	0	Railway Portion: Work awarded, yet to commence. Approach portion : Cost Estimate is under preparation. AS for LA estimate for Rs.5.55 crores has been approved by Government on 18.06.2020. LA Estimate for TS submitted to CE(H), Projects on 16.09.2020.
386	2015-16	TPJ Divn: Pro 2L ROB in lieu of LC No.20 at Km.30/000-100 at Nidamangalam Yard	6.08	9.37	0.5486	NF	NF	0	0	Railway Portion: Contract foreclosed as highways proposed change in alignment. Revised Proposal received and under study. Approach Portion: Court case filed. Revd Alignment details sent to CN/MS by Highways.
387	2015-16	TPJ Divn: Pro 2L ROB in lieu of LC No. 323 at Km399/ 500-600 in bet. Tiruverambur - Ponmalai Rly Stns	19.02	19.03	0.6339	NF	NF	0	0	Rly: Revised GAD with Twin box approved. Estimate sent to Accounts. LA in progress. HW: Proof check of Design under progress in design wing.
388	2015-16	TPJ Divn: Pro 2L ROB in lieu of LC No. 55 at Km. 67/100-200 in bet TANDARAI and TIRUVANNAMALAI stations	21.65	21.65	0.6606	May-21	May-21	70	70	Railway portion: Girders Launched. HW: Super struture works are in progress. 29/ 34 decks completed. Retaining wall completed on Tindivanam side and is in progress on TVMalai side. Earth filling completed on Tindivanam side. Crash barrier and strip seal in progress. LA in progress
389	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 rly stns	19.19	21.41	5.7165	Work completed	Jul-21	100	80	Railway Portion: Completed Mar-18 Approach Portion: Super structure works and approach works are in progress. 21 out of 23 decks completed. TDC: 31.03.2021. Feasibility of providing LUS at LC No.143 on cost sharing basis to be studied by Rlys & HW. Joint Inspection 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
390	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	Revised draft GAD returned to RBDCK for correction on 07-01-2020
391	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	19.56	19.56	3.2017	NF	NF	50	0	Railway Portion:3 spans in Rly. Portion. Track span completed. Contract foreclosed as LA not completed by HW for other 2 spans Approach Portion:Administrative Sanction proposal to be sent to Government. LA in advance stage.
392	2015-16	TPJ Divn: Pro 2L ROB in lieu of LC No.48 at Km.77/700-800 in bet. Nagapptinam & Nagore Rly Stns with LUS	22.28	22.27	6.6033	Work completed	NF	100	0	Railway Portion: Work completed during Jan-18 Approach Portion:DPR under progress & LA under progress. Design work is in progress. 15(2) notification was published on 16.02.2019. 15(1) notification published in the gazette on 21.10.2020.
393	2015-16	TPJ Divn: Pro 2L ROB in lieu of LC No. 80 at Km. 99/100-200 at POLUR Yard	18.22	19.32	1.4339	NF	NF	10	20	Railway Portion:Work awarded. LC closure approved by DC. Traffic diversion required.Alignment for LHS to be submitted by Highways.Approach Portion:7/12 decks completed. LA under process.
394	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	18.63	18.63	0.2120	Oct-21	NF	25	0	Railway Portion: One side substructure completed other side LA to be expedite by HWA Approach Portion: Estimate under scrutiny. LA to be expedite
395	2015-16	MDU Divn: Pro 2L ROB in lieu of LC No. 424 at Km. 559/700-800 at Tiruttangal Rly Stn	20.90	20.90	0.0000	Jan-22	NF	0	0	Rly: Revised GAD approved on 14.11.2020.HW:Approved Railway GAD receivedQty Estimate and Drawings obtained from CE(H), P,D&IAS Proposal under preparation
396	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	18.71	18.70	3.3827	Work completed	NF	100	0	Railway Portion: Altered GAD appd. ROB Completed Mar-18. Completion plan for bridge portion sent to CE/HW for record. Approach Portion AS obtained from Government on 12.08.2020. Estimate under preperation.
397	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	19.04	19.04	1.5205	Work completed	Dec-21	100	0	Railway Portion: Completed Mar-18. Approach Portiont.Work commenced. On Muthunaikanpatti side 7/7 footings completed and on omalur side 4/5 footings completed.Further work is in progress. LA under progress.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
398	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	25.20	25.20	0.0000	NF	NF	0	0	GAD proposed with skew 60 Deg by Highways. GAD under scrutiny by CN/MS. GAD Sent to CN/SA.
399	2016-17	Pro ALHS in lieu of exg LC No.169 @ km 182/200-300 in bet Minnampalli - Salem Town stns.	0.00	0.00	0.0000	NF	NF	0	0	Alignment details awaited
400	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	27.24	27.24	0.0000	NF	NF	0	0	Revised draft GAD submitted by RBDCK on 16-11-2020 is under scrutiny.Immediately after railway span, the ROB splits into two directions as two approach spans. This may create traffic congestion on the Railway span.
401	2016-17	Pro ALHS in lieu of LC No.156 at Km. 523/22-24 in between KANJIKODE and PALGHAT JN Railway stations	0.00	0.00	0.0000	NF	NF	0	0	Alignment plan awaited from State
402	2016-17	Arakkonam Jn—Renigunta— Road over bridge in lieu of LC No.56 with subway between Vepagunta and Puttur stations	29.32	29.32	0.0000	NF	NF	0	0	Provisional GAD sent to state government for approval
403	2016-17	Arakkonam Jn—Renigunta— Road over bridge in lieu of LC No.56 with subway between Vepagunta and Puttur stations	0.00	0.00	0.0000	NF	NF	0	0	Alignment details awaited
	2016-17	Madurai Division - Subways in lieu of level crossings - 36 nos	67.34	0.00	84.1819					Work sanctioned in 2016-17 budget
404	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
405	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
406	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	Manning by MDU Dvn.
407	2016-17	Limited height subway in lieu of LC No.7 in MDU-BDNK section @ Km. 10/2-3			0.0000	Not feasible	Not feasible	0	0	Closed. Diversion to LC 6 by division
408	2016-17	Limited height subway in lieu of LC No.9 in MDU-BDNK section @ Km. 11/8-9			0.0000	Work completed	Work completed	100	100	Work completed & commissioned in Jan-2020

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
409	2016-17	Limited height subway in lieu of LC No.13 in MDU-BDNK section @ Km. 15/6-7			0.0000	Work completed	Work completed	100	100	Work completd during Dec-19
410	2016-17	Limited height subway in lieu of LC No.16 in MDU-BDNK section @ Km. 18/400-500			0.0000	Not feasible	Not feasible	0	0	Closed. Diversion to LC 15 by division
411	2016-17	Limited height subway in lieu of LC No.24 in MDU-BDNK section @ Km. 25/13-14			0.0000	Not feasible	Not feasible	0	0	Diversion by division to LUS 25
412	2016-17	Limited height subway in lieu of LC No.29 in MDU-BDNK section @ Km. 30/7-8			0.0000	Work completed	Work completed	100	100	Work completd during Dec-19
413	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
414	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
415	2016-17	Limited height subway in lieu of LC No.39 in MDU-BDNK section @ Km. 40/7-8			0.0000	Work completed	Work completed	100	100	Work completed and commissioned during Oct-19
416	2016-17	Limited height subway in lieu of LC No.41 in MDU-BDNK section @ Km. 41/13-14			0.0000	Work completed	Work completed	100	100	Work completed and commissioned in June-20
417	2016-17	Limited height subway in lieu of LC No.46 in MDU-BDNK section @ Km. 51/12-13			0.0000	Work completed	Work completed	100	100	Work completed and commissioned during June-19
418	2016-17	Limited height subway in lieu of LC No.47 in MDU-BDNK section @ Km. 54/13-14			0.0000	Work completed	Work completed	100	100	Work completed during Nov-16 under GC works.
419	2016-17	Limited height subway in lieu of LC No.59 in MDU-BDNK section @ Km. 64/14-65/1			0.0000	Work completed	Work completed	100	100	Work completed during March-19
420	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.
421	2016-17	Limited height subway in lieu of LC No.73 in MDU-BDNK section @ Km. 77/16-78/1			0.0000	Work completed	Work completed	100	100	Work completed during May-19

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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
422	2016-17	Limited height subway in lieu of LC No.74 in MDU-BDNK section @ Km. 79/8-9			0.0000	Work completed	Work completed	100	100	Work completed during July-19
423	2016-17	Limited height subway in lieu of LC No.75 in MDU-BDNK section @ Km. 80/3-4			0.0000	Work completed	Work completed	100	100	Work completed and commissioned during June-19
424	2016-17	Limited height subway in lieu of LC No.82 in MDU-BDNK section @ Km. 88/6-7			0.0000	Not feasible	Not feasible	0	0	Diversion by division to LC 83
425	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
426	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
427	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
428	2016-17	Limited height subway in lieu of LC No.54 in MNM-VPT section @ Km. 615/800-900			0.0000	Work completed	Work completed	0	0	Outrightly closed by division
429	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
430	2016-17	Limited height subway in lieu of LC No.7 in TEN-TCN section @ Km. 8/600-700			0.0000	Not Feasible	Not Feasible	0	0	MDU Division constructed the subway.
431	2016-17	Limited height subway in lieu of LC No.16 in TEN-TCN section @ Km. 21/300-400			0.0000	Not Feasible	Not Feasible	0	0	MDU Division constructed the subway.
432	2016-17	Limited height subway in lieu of LC No.56 in TEN-TSI section @ Km. 60/500-600			0.0000	Not Feasible	Not Feasible	100	0	Manning by MDU Dvn.
433	2016-17	Limited height subway in lieu of LC No.61 in TEN-TSI section @ Km. 65/700-800			0.0000	Not Feasible	Not Feasible	0	0	Bank height 0.5m. Not feasible, Manning by MDU Dvn.
434	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

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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
435	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
436	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
437	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
438	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
439	2016-17	Limited height subway in lieu of LC No.449 in TPJ-MNM section @ Km. 544/000-100			0.0000	Not Feasible	Not Feasible	0	0	Not feasible, Manning by MDU Dvn.
440	2016-17	Road over bridge in lieu of LC No. 137 @ km 457/9-11 in bet Vanjipalyam-Somanur stns with Limited Height Subway	26.68	26.68	0.0000	NF	NF	0	0	Railway Portion: Combined estimate sent to CE/HW for countersignature HW: Design work completed in Designs wing. Estimate is under perparation for obtaining Administrative sanction for work.LA under process.
441	2016-17	Pro ALHS in lieu of LC No.137 @ km 457/9-11 in bet Vanjipalyam - Somanur stns.	0.00	0.00	0.0000	NF	NF	0	0	GAD approved.
442	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	24.18	24.18	0.0000	NF	NF	0	0	Revised draft GAD resubmitted on 17-08-2020 verified and kept pending for silver line.
443	2016-17	Pro ALHS in lieu of LC No.211 at Km. 701/600-700 in between TIKKOTTI and VADAKARA Railway stations	0.00	0.00	0.0000	NF	NF	0	0	Alignment plan awaited from State
444	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	25.21	25.21	0.0000	NF	NF	0	0	DPR stage. Survey completed and alignment finalised. GAD to be submitted by RBDCK
445	2016-17	Pro ALHS in lieu of LC No.61 at Km. 132/14-15 in between KARUNAGAPALLI and SASTHANKOTTA Rly Stns	0.00	0.00	0.0000	NF	NF	0	0	Alignment details Awaited from state government

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
446	2016-17	Road over bridge in lieu of LC No.122 @ 123/1-2 in bet Pollachi - Podanur stns with Limited Height Subway	23.69	23.69	0.0124	Jun-21	Aug-21	5	40	Railway Portion: Railway will bear cost of 2L ROB only on cost sharing pattern (50:50) as per the extant directives of Railway Board. Work awarded. Design approved. Foundation work commenced. Approach portion: LA cleared. Agreement executed on 21.08.2019. Out of 18 Piers, 18 Piers completed. Abutment A1 and A2 work completed. Out of 18 Capping beam 18 Capping beam completed. Box culvert Ch. 1140 (Palakkad side) is completed. Out of 20 Deck slab, 11 Deck slab were completed. Foot path cum drain and RE Wall on Pollachi side is in progress.
447	2016-17	Pro ALHS in lieu of LC No.122 @ 123/1-2 in bet Pollachi - Podanur stns.	0.00	0.00	0.0000	Dec-21	Dec-21	0	0	Rly: Work awarded on 08/10/2020 HW: LA cleared
448	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	24.88	24.88	0.0000	NF	NF	0	0	Resubmitted draft GAD has been verified and Advised RBDCK on 03-12-2020 to resubmit the GAD after getting clearance from KRDCL for SILVER LINE (High speed Rail corridor) proposal
449	2016-17	Pro ALHS in lieu of LC No.227 at Km. 731/100-200 in between JAGANNATH TEMPLE GATE and TELLICHERRY stns	0.00	0.00	0.0000	NF	NF	0	0	Alignment details Awaited from state government
450	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	24.88	24.88	0.0000	NF	NF	0	0	Resubmitted draft GAD by RBDCK has been verified. NH-66 is running very near and parallel to track on LHS towards MAQ. Hence provision for two future tracks has been provided on RHS towards MAQ. On one end, the ROB is crossing NH-66 and descending directly to NH. RBDCK has stated that they have requested for NOC from NH authorities. Advised RBDCK on 03-12-2020 to resubmit the GAD after getting clearance from KRDCL for SILVER LINE (High speed Rail corridor) proposal and NH.
451	2016-17	Pro ALHS in lieu of LC No.224 at Km. 728/300-400 in between MAHE and TELLICHERRY Railway stations	0.00	0.00	0.0000	NF	NF	0	0	Alignment plan awaited from State,

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
452	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.	28.70	28.69	0.0000	NF	NF	0	0	Original GAD with ALT-1 (twin box) approved on 30.10.2018. Joint inspection conducted on 06.09.2020. RUB height to be restricted to 4.50m. LA in process.
453	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	25.45	25.45	0.0000	NF	NF	0	0	Railway Portion: GAD with Bow string Girder approved. Estimate under process. Approach portion: Design completed. Estimate is under preparation for Administrative Sanction. LA under progress
454	2016-17	Pro ALHS in lieu of LC No. 141 @ km 463/24-26 IN BET Somanur - Sulurroad stns.	0.00	0.00	0.0000	NF	NF	0	0	GAD awaited from HW.
455	2016-17	Pro 2L ROB with Limited Height Subway in lieu of LC No. 283 at Km. 840/300-400 in between Kasaragod and Kumbha Railway stations	28.70	28.69	0.0000	NF	NF	0	0	As per DyCE/CN/CAN mail - Subway constructed by division and LC closed. To be proposed for deletion. RBDCK should process to advise Rlys from Secy to PWD to delete this work.
456	2016-17	Pro ALHS in lieu of LC No. 283 at Km. 840/300-400 in between Kasaragod and Kumbha Railway stations	25.45	25.45	0.0000	NF	NF	0	0	Alignment details Awaited from state government
457	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	26.02	26.02	0.0000	NF	NF	0	0	Railway Portion: GAD approved. Estimate under process. Approach portion: Administrative Sanction proposal for work sent to Govt on 10.02.2020. LA under process.
458	2016-17	Pro ALHS in lieu of level crossing No. 135 @ km 453/11-13 in bet Vanjipalyam - Somanur stns with subway	0.00	0.00	0.0000	NF	NF	0	0	GAD awaited from HW.
459	2016-17	Pro 2L ROB with Limited Height Subway in lieu of LC No. 7 at Km. 81/800-900 in between Changanasery and Tiruvalla Railway stations	25.31	25.31	0.0000	NF	NF	0	0	Revised draft GAD submitted to CE/ERS has been verified and remarks letter to RBDCK has been sent on 05-10-2020
460	2016-17	Pro ALHS in lieu of LC No. 7 at Km. 81/800-900 in between Changanasery and Tiruvalla Railway stations	0.00	0.00	0.0000	NF	NF	0	0	Alignment details Awaited from state government
461	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	25.64	25.64	0.0000	NF	NF	0	0	GAD Returned to RBDCK on 05-08-19 after site verification Alignment details Awaited from state government

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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
462	2016-17	Pro ALHS in lieu of LC No.549 at Km. 162/000-100 in between Kollam Jn and Mayyanad Railway stations	0.00	0.00	0.0000	NF	NF	0	0	Alignment details Awaited from state government
463	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	24.41	24.41	0.0000	NF	NF	0	0	Revised draft GAD returned to RBDCK for correction on 07-01-2020
464	2016-17	Pro ALHS in lieu of LC No.558 at Km. 177/800-900 in between Paravur and Varkalashivagiri Railway stations	0.00	0.00	0.0000	NF	NF	0	0	Alignment details Awaited from state government
465	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	25.50	25.50	0.0000	NF	NF	0	0	Revised draft GAD resubmitted on 23-10-2020 verified and kept pending for SILVER LINE (High speed Rail corridor)
466	2016-17	Pro ALHS in lieu of LC No.218 at Km. 722/400-500 in between VADAKARA and MAHE Railway stations	0.00	0.00	0.0000	NF	NF	0	0	Alignment plan Awaited from state
467	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	24.22	24.22	0.0000	NF	NF	0	0	ROB alignment in curve within Railway portion. Approval of curved alignment with non-standard span-Under scrutiny. Joint inspection to be conducted.
468	2016-17	Pro ALHS in lieu of LC No.4 @ km 6/800-900 in bet Coimbatore North-Karaimadai stns with subway	0.00	0.00	0.0000	NF	NF	0	0	Provisional GAD awaited from state government.
469	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	24.76	24.76	0.0000	NF	NF	0	0	Railway Portion: Estimate sanctioned on 18.12.19 Approach Portion: Estimate is Technically Sanctioned on 24.08.2020. LA under process.
470	2016-17	Pro ALHS in lieu of LC No.5 @ km 8/000-100 in bet Coimbatore North - Karaimadai stns with subway	0.00	0.00	0.0000	NF	NF	0	0	GAD approved for size 3.0mX2.75m PSW
471	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	23.60	23.60	0.0000	NF	NF	0	0	Railway Portion: GAD approved. Estimate under vetting Approach Portion: DPR under progress. Cost estimate is under preparation. LA 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
472	2016-17	Pro ALHS in lieu of LC No.131 @ km 139/100-200 between Chinnasalem and Athur stations in SA-VRI section	0.00	0.00	0.0000	NF	NF	0	0	Railway portion: GAD approved. Estimate under vetting.
473	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	24.60	24.60	0.0000	NF	NF	0	0	Revised draft GAD submitted by RBDCK on 03-12-2020 is verified kept pending for verification of SILVER LINE (High speed Rail carridor) alignment.
474	2016-17	Pro ALHS in lieu of LC No.190 at Km. 670/000-100 in between WEST HILL and ELATTUR Railway stations	0.00	0.00	0.0000	NF	NF	0	0	Alignment plan awaited from State
475	2016-17	Villupuram-Pondicherry- Subways in lieu of level crossing No. 17,21 & 29A (3 Nos.)	8.19	0.00	9.2188	Work completed	Work completed	100	100	Work completed during Aug-18
476	2016-17	Villupuram-Pondicherry- Subways in lieu of level crossing No. 17,21 & 29A (3 Nos.)	0.00	0.00	0.0000	Work completed	Work completed	100	100	Work completed during Aug-18
477	2016-17	Villupuram-Pondicherry- Subways in lieu of level crossing No. 17,21 & 29A (3 Nos.)	0.00	0.00	0.0000	Not feasible	Not feasible	0	0	Manned by TPJ Division
478	2016-17	Villupuram-Katpadi- Subways in lieu of level crossing No.7,15,17 & 18 (4 Nos.)	10.90	0.00	13.0015	Not feasible	Not feasible	0	0	Manned by TPJ Division
479	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 7,15,17 & 18 (4 Nos.)	0.00	0.00	0.0000	Not feasible	Not feasible	0	0	Manned by TPJ Division
480	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 7,15,17 & 18 (4 Nos.)	0.00	0.00	0.0000	Work completed	Work completed	100	100	Work completed and commissioned during July-18
481	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 25,29,34 & 47 (4 Nos.)	14.84	0.00	5.2628	Not feasible	Not feasible	0	0	Manned by TPJ Division
482	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 25,29,34 & 47 (4 Nos.)	0.00	0.00	0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
483	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 25,29,34 & 47 (4 Nos.)	0.00	0.00	0.0000	Work completed	Work100 completed	100		Work completed during Aug-18
484	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 85,96,99 &104 (4 Nos.)	15.17	0.00	4.4507	Work completed	Work completed	100	100	Work completed during Aug-18

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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
485	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 85,96,99 &104 (4 Nos.)	0.00	0.00	0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
486	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 85,96,99 &104 (4 Nos.)	0.00	0.00	0.0000	Work completed	Work100 completed	100		LC eliminated during Sept-18
487	2016-17	Villupuram-Katpadi-Subways in lieu of level crossing No. 85,96,99 &104 (4 Nos.)	0.00	0.00	0.0000	Work completed	Work completed	100	100	LC eliminated during Sept-18
488	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	Revised draft GAD returned to RBDCK for correction on 07-01-2020Bore log details on GAD & report not matching.
489	2017-18	Pro ALHS in lieu of LC No.128 at Km. 89/600-700 in between Harippad and Cheppad Railway stations	0.00	0.00	0.0000	NF	NF	0	0	Draft GAD received and sent for field verification
490	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	Revised draft GAD submitted by RBDCK on 03-12-2020 is verified kept pending for verification of SILVER LINE (High speed Rail corridor)alignment.
491	2017-18	Pro ALHS in lieu of LC No.266 at Km. 793/300-400 in between Payyanur and Charvattur Rly Stns	0.00	0.00	0.0000	NF	NF	0	0	Alignment details awaited from state government
492	2017-18	Pro ROB incl limited Heightsubway 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	Rly: GAD approved. Estimate sanctioned. Tender to be calledApproach: Design in process
493	2017-18	Pro ALHS in lieu of level crossing No.25 @ km 57/32-58/2 in bet Manavur and Tiruvalangadu stns.	0.00	0.00	0.0000	NF	NF	0	0	GAD approved. Estimate sanctioned.
494	2017-18	Pro 2-lane road over bridge incl limited Heightsubway 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	GAD returned from CBE/MAS to attend corrections.
495	2017-18	Pro ALHS in lieu of level crossing No.63 @ km 58/700-800 in bet PALANI - UDUMALAI PETTAI stns	0.00	0.00	0.0000	NF	NF	0	0	GAD returned from CBE/MAS to attend corrections.

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
496	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	26.78	26.77	0.0000	NF	NF	0	0	Revised draft GAD resubmitted on 03-12-2020 verified and kept pending for silver line.
497	2017-18	Pro ALHS in lieu of LC No. 189 at Km. 669/700-800 at WEST HILL Yard Railway stations	0.00	0.00	0.0000	NF	NF	0	0	Alignment details Awaited from state government
498	2017-18	Pro 2L ROB incl limited Heightsubway in lieu of level crossing No.159 @ km 164/600-700 in bet ETTAPUR ROAD-MINNAMPALLI stns	17.09	17.09	0.0000	NF	NF	0	0	Railway Portion: Tender to be called after LA completed by state Govt.Approach portion: Work A.S. proposal is under preparation. To be placed in TAC.
499	2017-18	Pro ALHS in lieu of level crossing No. 159 @ km 164/600-700 in bet ETTAPUR ROAD-MINNAMPALLI stns	0.00	0.00	0.0000	NF	NF	0	0	Estimate sanctioned
500	2017-18	Pro 2L ROB incl limited Heightsubway 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	The Southern Railway has not agreed for the curved Railway Portion.suitable alternative alignment proposal has been prepared to be placed before TAC for concurrence.
501	2017-18	Pro ALHS in lieu of level crossing No. 424 @ km 565/100-200 in bet Sattur-Nalli stns	0.00	0.00	0.0000	NF	NF	0	0	Concurred GAD under approval
502	2017-18	TVC Div: Pro 2L ROB in lieu of LC No. 6 at Km. 233/100-200 in bet Nemam and Neyyatinkara stns in TVC-NCJ section	15.25	15.25	0.0000	NF	NF	0	0	GAD Retruned to RBDCK on 05-08-19 after site verification.It is also been adviced RBDCK on 20-09-2019 to co ordinate with KRCL for finalizing the alignment for the ROB before finalizing the GAD for ROB at this location
503	2017-18	Thiruvananthapuram-Nagerkoil-2-lane road over bridge incl limited Height subway in lieu of level crossing No.6	0.00	0.00	0.0000	NF	NF	0	0	Alignment details Awaited from state government
504	2017-18	Pro 2L ROB incl limited Heightsubway in lieu of level crossing No.74 @ km 310/000-100 in bet VALLIYUR - NANGUNERI stns	17.21	17.24	0.0000	NF	NF	0	0	Rly: GAD approved.Approach: AS proposal for LA sent to Government on 20.08.2020. AS proposal for work is under scrutiny.
505	2017-18	Pro ALHS in lieu of level crossing No.74 @ km 310/000-100 in bet VALLIYUR - NANGUNERI stns	0.00	0.00	0.0000	NF	NF	0	0	Alignment details Awaited from state government
506	2017-18	2L ROB incl limited Heightsubway in lieu of level crossing No.55 @ km 134/6-8 in bet KATPADI-LATTERI stns	14.97	14.97	0.0000	NF	NF	0	0	Rly: GAD approved . Estimate under vetting.HW: Design under process. LA under process

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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
507	2017-18	Pro ALHS in lieu of level crossing No.55 @ km 134/6-8 in bet KATPADI - LATTERI stns	0.00	0.00	0.0000	NF	NF	0	0	GAD approved and handed over to CN/MS on 27/05/2020
508	2017-18	2L ROB incl limited Heightsubway in lieu of level crossing No.51 @ km 123/2-4 @ SEVUR YARD	15.08	15.08	0.0000	NF	NF	0	0	Rly: Final GAD approved and handed over to CN/MS. Traffic diversion is required. Joint inspn done Shifting of LC to be done .HW: Design under progress.
509	2017-18	Pro ALHS in lieu of level crossing No. 51 @ km 123/2-4 @ SEVUR YARD	0.00	0.00	0.0000	NF	NF	0	0	Final GAD approved and handed over to CN/MS
510	2017-18	MAS Div:Chennai-Arakkonam section-2-lane road over bridge incl. limited usesubway 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	Revised GAD under preparation by CN/MS
511	2017-18	Pro ALHS in lieu of level crossing No.26 @ km 59/30-32 in bet TIRUVALANGADU -MOSUR stns	0.00	0.00	0.0000	NF	NF	0	0	Revised GAD under preparation by CN/MS
512	2017-18	TVC div: Shoranur-Ernakulam-2-Lane road over bridge incl. limited use subway 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	Corrected draft GAD submitted by RBDCK on 15-06-2020 is put up on 28-11-2020. GAD Sent for field verification to find the reason for increased track spacing at the location.
513	2017-18	Pro ALHS in lieu of LC No..33 at Km. 51/600-700 in between Pudukad and Irinjalakuda Railway stations	0.00	0.00	0.0000	NF	NF	0	0	Alignment details Awaited from state government
514	2017-18	TVC div: Shoranur-Ernakulam-2-Lane road over bridge incl. limited use subway 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	Draft GAD submitted by RBDCK has been verified and remarks advised vide ltr dated 29-11-2020. Advised to revise the GAD as three span arrangement due to proximity of Nellore yard based on the sketch for Pudukad yard.
515	2017-18	Pro ALHS in lieu of LC No..32 at Km. 50/100-200 in between Pudukad and Irinjalakuda Railway stations	0.00	0.00	0.0000	NF	NF	0	0	Alignment details Awaited from state government
516	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	RBDCK submitted revised GAD to CN on 02.07.2020. GAD under scrutiny in design section.

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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
517	2017-18	Pro ALHS in lieu of LC No.28 at Km. 106/300-400 in between Chengannur and Mavelikara Railway stations	0.00	0.00	0.0000	NF	NF	0	0	Alignment details Awaited from state government
518	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	0	For the proposed RUB work in lieu of LC No. 12, Govt. accorded Deletion GO. Ms. No. 29, Highways and Minor Ports (HQ2) Dept, dated 04.03.2019. HW to explore possibility of road diversion of LC No.12 to same other LC/ ROB and get consent for LC No.12 closure.
519	2017-18	Pattukottai-Karaikkudi-Subways in lieu of unmanned level crossinggates (5 Nos)	17.96	0.00	0.0000	Not feasible	Not feasible	0	0	Work executed by TPJ Dvn.
520	2017-18	Pattukottai-Karaikkudi-Subways in lieu of unmanned level crossinggates (5 Nos)			0.0000	Not feasible	Not feasible	0	0	Work executed by TPJ Dvn.
521	2017-18	Pattukottai-Karaikkudi-Subways in lieu of unmanned level crossinggates (5 Nos)			0.0000	Not feasible	Not feasible	0	0	Work executed by TPJ Dvn.
522	2017-18	Pattukottai-Karaikkudi-Subways in lieu of unmanned level crossinggates (5 Nos)			0.0000	Not feasible	Not feasible	0	0	Work executed by TPJ Dvn.
523	2017-18	Pattukottai-Karaikkudi-Subways in lieu of unmanned level crossinggates (5 Nos)			0.0000	Not feasible	Not feasible	0	0	Work executed by TPJ Dvn.
524	2018-19	Pro 2L ROB in lieu of LC No.74 at km 94/22-24 in bet Madurantakam - Melmaruvathur stns	15.94	15.94	0.0000	NF	NF	0	0	GAD under preparation by CN/MS
525	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
526	2018-19	Pro 2L ROB in lieu of LC No.49 at km 61/800-900 in bet TIRUMALPUR - ARAKKONAM Stns	14.53	14.53	0.0000	NF	NF	0	0	Alignment details awited from Highways/GoTN
527	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
528	2018-19	KARUR - TIRUCHIRAPALLI FORT Section- 2 Lane Road Over Bridge including LHS in lieu of LC No.54 at km103/000-100 between	17.27	17.27	0.0000	NF	NF	0	0	Alignment details sent to DyCE/SA for preparing GAD

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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
529	2018-19	KARUR - TIRUCHIRAPALLI FORT Section- 2 Lane Road Over Bridge including LHS in lieu of LC No.54 at km103/000-100 between			0.0000	NF	NF	0	0	Sanctioned in 2018-19
530	2018-19	KOZHIKODE - KANNUR Section- 2 Lane Road Over Bridge including LHS in lieu of LC No. 225 at km729/600-700 between Mahe and Thalassery stations	16.89	16.89	0.0000	NF	NF	0	0	GAD approved by CBE - Dec-2019. Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE. MOU under scrutiny by GoK (27 works)
531	2018-19	KOZHIKODE - KANNUR Section- 2 Lane Road Over Bridge including LHS in lieu of LC No. 225 at km729/600-700 between Mahe and Thalassery stations			0.0000	NF	NF	0	0	GAD approved by CBE - Dec-2019
532	2018-19	Pro 2L ROB in lieu of LC No.1 at km 1/800-850 in bet Shoranur Jn.- Vallattol Nagar Stns	30.48	0.00	0.0000	NF	NF	0	0	GAD approved by CBE - Dec-2019. Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE. MOU under scrutiny by GoK (27 works)
533	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	GAD approved by CBE - Dec-2019
534	2018-19	Pro 2L ROB in lieu of LC No.12 at km 65/600-700 at Nilambur Yard	17.64	17.64	0.0000	NF	NF	0	0	Railway portion: GAD approved by CBE - Dec-2019 MOU under scrutiny by GoK (27 works)Approach portion: DPR & Estimate is with KRDCL pending for execution of MoU. LA requisition submitted to District Collector. G.O from revenue for LA was received on 29.07.2019. Administrative sanction for LA obtained on 07.10.2020, fund for the same is yet to receive for proceeding the LA.
535	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	GAD approved by CBE - Dec-2019
536	2018-19	Pro 2L ROB in lieu of LC No.234 at km 740/300-400 in bet THALASERY - ETTAKOT Stns	15.76	15.76	0.0000	NF	NF	0	0	GAD approved on 03-08-2020.Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE. MoU under process by Secretary/PWD.
537	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

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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
538	2018-19	Pro 2L ROB in lieu of LC No.259 at km 782/200-300 @ ELIMALA Stn	20.95	20.95	0.0000	NF	NF	0	0	GAD resubmitted to CBE on 12-11-2020. RDSO drawings with E350 grade is under scrutiny by CBE. MoU under process by Secretary/PWD
539	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
540	2018-19	Pro 2L ROB in lieu of LC No.2 at km 4/100-200 in bet Shoranur Jn.- Vadanamkurushshi Stns	17.18	17.18	0.0000	NF	NF	0	0	Rly Portion: GAD approved. Approach Portion:Tender awarded on 06-11-2020. 10 ROB works under single entity is under scrutiny by Railways
541	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	Rly Portion: GAD approved. Estimate under preparation Approach Portion: LA in Progress.
542	2018-19	Pro 2L ROB in lieu of LC No.23 at km 42/8-9 in bet Kuruppantara- Ettumanur Stns	15.88	15.88	0.0000	NF	NF	0	0	Rly portion: Final GAD approved by CE/RSW. Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE. Approach portion: Estimate is ready with KRDCL pending for execution of MoU. LA requisition submitted to District Collector. G.O from revenue for LA was received on 01.08.2019. MoU under process by Secretary/PWD.
543	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	Final GAD approved by CE/RSW
544	2018-19	Pro 2L ROB in lieu of LC No.36 at km 56/000-100 in bet Pudukad-Irinjalakuda Stns	15.96	15.96	0.0000	NF	NF	0	0	GAD approved on 30-05-2019. Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE. Estimate to be processed by KRDCL.MOU under scrutiny by GoK (27 works) Approach portion:DPR & Estimate is with KRDCL pending for execution of MoU. LA requisition submitted to District Collector. G.O from revenue for LA was received on 30.07.2019. Administrative sanction for LA obtained on 07.10.2020, fund for the same is yet to receive for proceeding the LA. MoU under process by Secretary/PWD.
545	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	GAD approved on 30-05-2019. Estimate to be processed by KRDCL

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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
546	2018-19	Pro 2L ROB in lieu of LC No.244 at km 755/800-900 in bet Kannur - Valapattanam Stns	16.89	16.89	0.0000	NF	NF	0	0	Rly portion:GAD approved by CBE - Dec-2019. Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE.Approach portion: Estimate is readyMOU under scrutiny by GoK (27 works).
547	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	GAD approved by CBE - Dec-2019
548	2018-19	Pro 2L ROB in lieu of LC No.570 at km 193/800-900 in bet Kadakavur - Murugampuzha Stns	15.80	15.80	0.0000	NF	NF	0	0	GAD approved on 30-09-2020. Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE.MoU under process by Secretary/PWD.
549	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
550	2018-19	Pro 2L ROB in lieu of LC No.229 at km 283/600-700 in bet Nidur - Mayiladuthurai Stns	15.63	15.63	0.0000	NF	NF	0	0	Alignment details sent to CN/MS to prepare GAD.
551	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
552	2018-19	Pro 2L ROB in lieu of LC No.167 at km 593/800-900 in bet PATTAMBI - PALLIPURAM Stns	16.51	16.51	0.0000	NF	NF	0	0	Advised RBDCK to submit the GAD with RDSO SUPERSTRUCTURE (returned to RBDCK with remarks on 25.10.2018) Draft GAD Resubmitted on 04-12-2020 under scrutiny
553	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
554	2018-19	Pro 2L ROB in lieu of LC No.15 at km 25/6-6A in bet Mulagunnathukavu-Punkunnam Stns	15.16	15.16	0.0000	NF	NF	0	0	ROB GAD approved. LUS GAD recived on 01.10.2020 & gad will be sent for field verification. MoU under process by Secretary/ PWD.
555	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

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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
556	2018-19	Pro 2L ROB in lieu of LC No.6 at km 21/100-200 in bet Shoranur Jn.-Angadipuram Stns	16.10	16.10	0.0000	NF	NF	0	0	Rly portion: GAD approved by CBE - Dec-2019. Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE. MOU under scrutiny by GoK (27 works) Approach portion: Railway GAD approved on 06.12.2019. Estimate is ready with KRDCL pending for execution of MoU. LA requisition submitted to District Collector. G.O from revenue for LA was received on 01.08.2019. Request Submitted to GoK on 11.11.2020 for Administrative Sanction. MoU under process by Secretary/PWD.
557	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	GAD approved by CBE - Dec-2019
558	2018-19	Pro 2L ROB in lieu of LC No.8 at km 32/900-33/000 in bet Angadippuram-Vaniyambalam Stns	15.87	15.87	0.0000	NF	NF	0	0	Rly portion: GAD approved by CBE - Dec-2019. Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE. MOU under scrutiny by GoK (27 works) Approach portion: Railway GAD approved on 06.12.2019. Estimate is ready with KRDCL pending for execution of MoU. LA requisition submitted to District Collector. G.O from revenue for LA was received on 26.07.2019. Request Submitted to GoK on 11.11.2020 for Administrative Sanction. MoU under process by Secretary/PWD.
559	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	GAD approved by CBE - Dec-2019
560	2018-19	Pro 2L ROB in lieu of LC No.42 at km 120/000-100 in bet Kayankulam-Ochira Stns	15.80	15.80	0.0000	NF	NF	0	0	Revised Draft GAD with Standard RDSO NHAI span (1x36 +1x 18m) is under scrutiny. MoU under process by Secretary/PWD.
561	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

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
562	2018-19	Pro 2L ROB in lieu of LC No.173 at km 637/600-700 in bet Thanur-Parapangadi Stns	16.89	16.89	0.0000	NF	NF	0	0	Rly portion: GAD approved by CBE - Dec-2019. MOU under scrutiny by GoK (27 works) Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE. Approach portion: Railway GAD approved on 02.01.2020. Estimate is ready with KRDCL pending for execution of MoU. LA requisition submitted to District Collector. G.O from revenue for LA was received on 27.07.2019. Request Submitted to GoK on 11.11.2020 for Administrative Sanction. MoU under process by Secretary/PWD.
563	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
564	2018-19	Pro 2L ROB in lieu of LC No.240 at km 749/700-800 in bet Ettakot - Kannur Stns	16.35	16.35	0.0000	NF	NF	0	0	GAD resubmitted to CBE on 12-11-2020 is under scrutiny. RDSO drawings with E350 grade is under scrutiny by CBE. MoU under process by Secretary/PWD.
565	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
566	2018-19	Pro 2L ROB in lieu of LC No.545 at km 157/15-158/1 in bet Kollam - Mayyanad Stns	15.24	15.24	0.0000	NF	NF	0	0	CE/RSW returned the GAD for want of Subway details as LC & ROB are 185m apart. Adviced KRDCL on 22-10-19 KRDCL revised the location of ROB to LC location. Revised GAD submitted by KRDCL has been sent for TVC/Divn approval on 14-12-2020
567	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
568	2018-19	Pro 2L ROB in lieu of LC No.49 at km 53/28-30 in bet SINGAPERUMAL KOIL - CHENGALPATTU Stns	15.72	15.72	0.0000	NF	NF	0	0	Alignment details received from CE/HW. Site feasibility report sent by MAS division to CN during first week of August-2020 and the GAD under preparation by CN/MS.
569	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

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	2018-19	Pro 2L ROB in lieu of LC No.149 at km 98/5-6 in bet Cheppad-Kayankulam Jn. Stns	15.32	15.32	0.0000	NF	NF	0	0	GAD approved by CBE/MAS & DPR along with estimate has been submitted to CE/CN/ERS on 27.11.2019.Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE. MOU under scrutiny by GoK (27 works). DPR along with estimate has been submitted to CE/CN/ERS on 27.11.2019. DPR & Estimate is with KRDCL pending for execution of MoU. LA requisition submitted to District Collector. G.O from revenue for LA was received on 01.10.2019. Administrative sanction for LA obtained on 07.10.2020, fund for the same is yet to receive for proceeding the LA. MoU under process by Secretary/PWD
571	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	Final GAD approved by CE/RSW
572	2018-19	Pro 2L ROB in lieu of LC No.288 at km 863/000-100 in bet Uppala-Manjeshwar Stns	16.04	16.04	0.0000	NF	NF	0	0	Rly portion: GAD approved by CBE - Feb-2020. Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE. MOU under scrutiny by GoK (27 works) Approach portion: Railway GAD approved on 12.02.2020.Estimate is ready.Estimate is ready with KRDCL pending for execution of MoU. LA requisition submitted to District Collector. G.O from revenue for LA was received on 30.07.2019. Request Submitted to GoK on 11.11.2020 for Administrative Sanction. MoU under process by Secretary/PWD.
573	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	GAD approved by CBE - Feb-2020
574	2018-19	Shornur-Ernakulam Road Over Bridge with Subway in lieu of level crossing 27	17.04	17.04	0.0000	NF	NF	0	0	GAD approved by CBE/MAS on 11.10.2019.Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE. .MOU under scrutiny by GoK (27 works)Approach portion:Railway GAD approved by CBE/MAS on 11.10.2019.Estimate is ready with KRDCL pending for execution of MoU. LA requisition submitted to District Collector. G.O from revenue for LA was received on 03.08.2019. MoU under process by Secretary/PWD.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
575	2018-19	Shornur-Ernakulam Road Over Bridge with Subway in lieu of level crossing 27			0.0000	NF	NF	0	0	Final GAD approved by CE/RSW
576	2018-19	Pro 2L ROB in lieu of LC No.77 at km 151/4-5 in bet Perinad-Kollam Jn Stns	18.42	18.42	0.0000	NF	NF	0	0	GAD Retruned to RBDCK on 05-08-19 after site verification Revised draft GAD submitted by RBDCK on 23-11-2020 under scrutiny
577	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
578	2018-19	Pro 2L ROB in lieu of LC No.115 at km 85/000-100 in bet Ambalapuzha - Haripad Stns	15.48	15.48	0.0000	NF	NF	0	0	GAD Approved on 19-06-2019. Estimate to be processed by KRDCL. Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE. MOU under scrutiny by GoK (27 works)HW: DPR & Estimate is with KRDCL pending for execution of MoU. LA requisition submitted to District Collector. G.O from revenue for LA was received on 27.07.2019. Administrative sanction for LA obtained on 07.10.2020, fund for the same is yet to receive for proceeding the LA. MoU under process by Secretary/PWD.
579	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	GAD Approved on 13-06-2019. Estimate to be processed by KRDCL
580	2018-19	Pro 2L ROB in lieu of LC No.187 at km 667/100-200 in bet Kozhikode - West Hill Stns	15.96	15.96	0.0000	NF	NF	0	0	GAD approved for LUS during July 2020. MOU under scrutiny by GoK (27 works) HW: Railway GAD approved for LUS Estimate under preparation, pending for execution of MoU. LA requisition submitted to District Collector. G.O from revenue for LA was received on 02.08.2019. MoU under process by Secretary/PWD
581	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
582	2018-19	Pro 2L ROB in lieu of LC No.228 at km280/500-600 @ NIDUR Stn	15.71	15.71	0.0000	NF	NF	0	0	CN/MS to prepare GAD
583	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

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
584	2018-19	Pro 2L ROB in lieu of LC No.75A at km 108/6-7 in bet ERNAKULAM JN - MATTANCHERI Stns	15.00	15.00	0.0000	NF	NF	0	0	Cost of additional 2L ROB will be borne by State Govt. of Kerala. GAD Retrured to RBDCK on 21-05-19 after site verification
585	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
586	2018-19	Pro 2L ROB in lieu of LC No.21 at km 38/3-4 in bet Vaikam Road - Kuruppantara Stns	16.58	16.58	0.0000	NF	NF	0	0	draft GAD submitted has been verified and remarks sent to RBDCK on 29-11-20.ROB is in KDTY yard. RBDCK is adviced to revise the span to have necessary clearances for PF provision.
587	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
588	2018-19	Pro 2L ROB in lieu of LC No.253 at km 769/000-100 in bet Kannapuram - Payangadi Stns	15.80	15.80	0.0000	NF	NF	0	0	GAD approved on 03-08-2020.Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE. MoU under process by Secretary/PWD.
589	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
590	2018-19	Pro 2L ROB in lieu of LC No.262 at km 789/500-600 in bet Payyanur - Trikarpur Stns	15.80	15.80	0.0000	NF	NF	0	0	Revised GAD submitted on 05-11-2020 has been verified and put up on 28-11-2020.'MoU under process by Secretary/PWD.
591	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
592	2018-19	Pro 2L ROB in lieu of LC No.264 at km 791/500-600 in bet Payyanur- Trikarpur Stns	15.96	15.96	0.0000	NF	NF	0	0	Railway GAD approved on 02.01.2020.Estimate is ready with KRDCCL pending for execution of MoU. LA requisition submitted to District Collector. G.O from revenue for LA was received on 30.07.2019. Request Submitted to GoK on 11.11.2020 for Administrative Sanction. MoU under process by Secretary/PWD.HW:GAD approved on 02.01.2020.Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE.
593	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

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
594	2018-19	Pro 2L ROB in lieu of LC No.30 at km 38/300-400 in bet KANCHIPURAM-TIRUMALPUR Stns	15.10	15.10	0.0000	NF	NF	0	0	Alignment details received from CE/HW. Site feasibility report sent by MAS division to CN during Aug'20 and the GAD under preparation by CN/MS.
595	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
596	2018-19	Pro 2L ROB in lieu of LC No.53 at km 128/9-10 in bet Karunagapalli - Sasthankotta Stns	15.64	15.64	0.0000	NF	NF	0	0	GAD approved on 24.10.2019. Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE. MOU under scrutiny by GoK (27 works) HW: Railway GAD approved by CBE/MAS on 24.10.2019. Estimate is ready with KRDCL pending for execution of MoU. LA requisition submitted to District Collector. G.O from revenue for LA was received on 27.07.2019. MoU under process by Secretary/PWD.
597	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	GAD approved by CE/RSW
598	2018-19	Pro 2L ROB in lieu of LC No.164 at km 549/100-200 in bet Parli - Mankara Stns	17.16	17.16	0.0000	NF	NF	0	0	GAD approved on 06.12.2019. Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE. MOU under scrutiny by GoK (27 works) HW: Railway GAD approved on 06.12.2019. DPR & Estimate is with KRDCL pending for execution of MoU. LA requisition submitted to District Collector. G.O from revenue for LA was received on 26.07.2019. Administrative sanction for LA obtained on 07.10.2020, fund for the same is yet to receive for proceeding the LA. MoU under process by Secretary/PWD.
599	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	GAD approved by CBE - Dec-2019. MOU under scrutiny by GoK (27 works) HW: Estimate & DPR ready.
600	2018-19	Pro 2L ROB in lieu of LC No.252 at km 767/400-500 in bet Pappinisseri - Kannapuram Stns	16.04	16.04	0.0000	NF	NF	0	0	GAD approved on 03-08-2020. Suitability of adapting std. RDSO drawings with E350 grade is under scrutiny by CBE. MoU under process by Secretary/PWD.
601	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

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
602	2019-20	Pro 2L ROB in lieu of LC No.45 at km 47/6-7 in bet Gudavanchery - Singaperumal Koil stns	17.05	17.05	0.0000	NF	NF	0	0	Alignment details received on 07-12-2020. CN to conduct site feasibility & prepare provisional GAD.
603	2019-20	Pro 2L ROB in lieu of LC No.31 at km 41/36-38 in bet Kavarapettai - Gummudipundi Stns	17.12	17.12	0.0000	NF	NF	0	0	Alignment details received on 01-12-2020. CN to conduct site feasibility & prepare provisional GAD.
604	2019-20	Pro 2L ROB in lieu of LC No.61 at km 145/4-6 in bet Latteri - Kavanur Stns	16.08	16.08	0.0000	NF	NF	0	0	Sanctioned in 2019-20.
605	2019-20	Pro 2L ROB in lieu of LC No.74 at km 172/8-10 in bet Melpatti - Pachakuppam Stns	18.35	18.35	0.0000	NF	NF	0	0	Alignment details yet to receive from state government
606	2019-20	Pro 2L ROB in lieu of LC No.85A at km 205/27-29 in bet Vanniyambadi and Kettandapatti Stns	27.80	27.80	0.0000	NF	NF	0	0	Alignment details yet to receive from state government
607	2019-20	Pro 2L ROB in lieu of LC No.367 at km 497/900- 498/000 in bet Madurai and Tiruparankundram Stns	16.47	16.47	0.0000	NF	NF	0	0	Alignment details yet to receive from state government
608	2019-20	Pro 2L ROB in lieu of LC No.4 at km 4/500-600 between Seydunganallur and Tirunelveli stns	14.44	14.44	0.0000	NF	NF	0	0	Provisional GAD to be prepared by CN/MS. State Govt submitted alignment details to CN on 21.02.2020. Joint Inpection conducted with Railway officials on 09/11/2020 with regard to LUS which is the prime requirement for the Traffic diversion before taking up ROB ,since it is located in built up area/SH Urban road involving LA issues .
609	2019-20	Pro reconstruction of exg RUB No 528 to 4L RUB at km 495/900-496/000 in bet Madukkarai and Palakkad stns.	17.03	17.03	0.0000	NF	NF	0	0	Work to be executed by PGT Division.
610	2019-20	Pro 2L ROB in lieu of LC No.197 at km 682/300-400 in bet Elattur - Quilandi Stns	17.42	17.42	0.0000	NF	NF	0	0	Alignment details yet to be finalized by State Govt.
611	2019-20	Pro 2L ROB in lieu of LC No.198 at km 684/200-300 in bet Elattur - Quilandi Stns	15.62	15.62	0.0000	NF	NF	0	0	Alignment details yet to be finalized by State Govt.
612	2019-20	Pro 2L ROB in lieu of LC No.61 at km 78/2-3 in bet Karukutty-Angamali Stns	18.20	18.20	0.0000	NF	NF	0	0	Alignment details yet to be finalized by State Govt.
613	2019-20	Pro 2L ROB in lieu of LC No.76 at km 111/600-700 in bet Ernakulam - Mattanchery Stns	14.99	14.99	0.0000	NF	NF	0	0	Alignment details yet to be finalized by State Govt.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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	2019-20	Pro 2L ROB in lieu of LC No.69A at km 101/600-700 in bet Idapalli-Ernakulam Town Stns	15.71	15.71	0.0000	NF	NF	0	0	GAD approved on 28-01-2021. LA yet to be started.
615	2019-20	Pro 2L ROB in lieu of LC No.28 at km 46/600-700 in bet Pudukad - Irinjalakuda Stns	21.71	21.71	0.0000	NF	NF	0	0	RBDCK submitted revised GAD.But with one 30m Rly span and 18m adjacent span only. Hence RBDCK has been adviced, such a proposal can be agreed AFTER FINALISATION OF SANCTIONED THIRD LINE WORK FROM SHORANUR AND ERNAKULAM AND FINALISATION OF PUDUKAD YARD vide letter dated 09-12-2020
616	2019-20	Proposed 2L ROB in lieu of LC No 20 at km 28/22-24 in MAS-Gudur section	39.42	0.00	0.0000	NF	NF	0	0	Alignment details yet to receive from state government
617	2019-20	Proposed 2L ROB in lieu of LC No 30 at km 40/22-24 in Chennai - Gudur section	41.21	0.00	0.0000	NF	NF	0	0	Alignment details yet to receive from state government
618	2019-20	Proposed 2L ROB in lieu of LC No 25 at km 33/42-34/2 in Chennai - Gudur section	41.34	0.00	0.0000	NF	NF	0	0	Alignment details yet to receive from state government
619	2019-20	Proposed 2L ROB in lieu of LC No 23 at km 32/2-4 in Chennai-Gudur section	41.21	0.00	0.0000	NF	NF	0	0	Alignment details yet to receive from state government
620	2019-20	Proposed 2L ROB in lieu of LC No.35 at km 74/14-16 in Arakkonam - Renigunta	34.75	0.00	0.0000	NF	NF	0	0	Alignment details yet to receive from state government
621	2019-20	Proposed 2L ROB in lieu of LC No 35 at km 48/10-12 in Chennai - Gudur section	34.87	0.00	0.0000	NF	NF	0	0	Alignment details yet to receive from state government
622	2019-20	Proposed 2L ROB in lieu of LC No 58 at km 79/24-26 in Chennai - Gudur section	41.21	0.00	0.0000	NF	NF	0	0	Sanctioned in 2019-20.
623	2019-20	Proposed 2L ROB/RUB in lieu of LC No.49 at km 974/17-19 in Arakkonam-Renigunta	19.30	0.00	0.0000	NF	NF	0	0	Sanctioned in 2019-20.
	2020-21	Southern Railway – Road over/under bridges (Umbrella Work 2020-21)	200.00		0.0000	NF	NF	0	0	Sanctioned in 2020-21
	2020-21	Southern Railway – Road over/under bridges on Golden Quadrilateral / Diagonal routes (Umbrella Work 2020-21)	480.00	0.00	0.0000	NF	NF	0	0	Sanctioned in 2020-21

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
624	2010-11	SA Division - ROB at Km. 445/19-21 between Tiruppur and Vanjipalayam stations in Erode - Irugur section (Chikkana College)	0.00	2.90	0.0000	Work completed	NF	100	30	Railway Portion:Work completed in Sept-20 Approach:5/10 Decks laid. Balance work is in progress. RAS Estimate is under preparation. Work held up due to LA
625	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)	0.00		0.0000	Work completed	NF	100	0	Railway portion completed.Approaches: Less quantum of work as ROB is in cutting. Estimate submitted. A.S yet to be obtained.
626	2013-14	TVC Division-Proposed ROB at AIMS (Amritha) at Km.98/500-600 between Idappalli & Ernakulam Town stations.	0.00		0.0000	NF	NF	0	0	GAD appd on 08/04/2013. Amount yet to be deposited by State Government. GoK directed to hold the project for the time being
627	2015-16	Proposed ROB at km.32/400-500 near existing ROB no.77 (Pothole) between Thrissur and Punkunnam stations.	0.00		0.0000	Work completed	Jun-21	100	30	Railway portion completed in Aug-20. Approach work in progress.
628		PGT Division - Proposed LHS at Vadakkumbad @ km 652/500-600 between Kadalundi and Ferok stations in Shoranur-Mangalore section.	0.00	3.50	0.0000	NF	NF	70	10	Box pushing completed. Drainage work in progress
629	2014-15	Proposed RUB in lieu of LC No.293 A at Km.882/8-9 between Netravathi and MAQ	0.00		1.0000	NF	NF	0	0	GAD Approved
630	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 on 06.04.2018. Estimate submitted to CE/CN. LA is in progress.
631	2018-19	Proposed widening of ROB No.72A at Avadi Km 21/ 700-800 in MAS-AJJ Section	0.00		2.0000	NF	NF	0	0	this work qualify for cost sharing basis based on Traffic Survey conducted on 09.05.2018 (TVU more than 5 lakhs). Proposal sent to Railways for inclusion under Railways Works Programme by the Government on 31.07.2019
632	2018-19	Proposed ROB at Km 79/000-1000 in AJJ-RU section for Tiruttani Bye pass	0.00		3.0000	Feb-22	NF	10	10	Rly: Open foundation in progress.HW:Substructure work in progress
633	2018-19	Proposed widening of ROB No. 46A at Km 10/000-100 MAS -AJJ Section	0.00		4.0000	NF	NF	0	0	GAD approved and Esimate vetted and sent HW on 2.8.2019.AS to be obtained from Government.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
634	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).	0.00	0.00	0.0000	NF	NF	5	0	RLY: Design approved. Launcing scheme CRS sanctioned. Agency requesting for foreclosure.HW: Highways Portion will be started on Completion of Railway Portion.Estimate is under preparation.The extent of 425 sqm of SERC land is required for the construction of RUB.
635	1998-99	MAS Division - Proposed 1 x 4 m RCC Box Subway in lieu of LC No.27 (Radha Nager) @ Km 25/3-4 in between Pallavaram - Chrompet stations MSB - TBM section.	0.00	0.00	0.0000	Work completed	Dec-21	100	10	Railway portion- Completed in November 11; State: Work in progress.. TDC: 31.12.2021. No LA issue.
636	2014-15	TVC division - Reconstruction of ROB No.244 (1x25.62m) between CGV-CGY stations due to doubling.	0.00	0.00	0.0000	NF	NF	5	0	Existing ROB closed
637	2014-15	TVC division - Reconstruction of ROB No.238 (1x14.11m sk; CG) between CGV-CGY stations due to doubling.	0.00	0.00	0.0000	NF	NF	5	0	Work commenced
638	2014-15	TVC division - Reconstruction of ROB No.241 (1x21.48m sk) between CGV-CGY stations due to doubling.	0.00	0.00	0.0000	NF	NF	5	0	Existing ROB closed
639	2014-15	TVC division - Reconstruction of ROB No.237 (1x14.01m sk) between CGV-CGY stations due to doubling.	0.00	0.00	0.0000	NF	NF	5	0	Work commenced
640	2014-15	TVC division - Reconstruction of ROB No.225A (1x23.62m sk) between CGV-CGY stations due to doubling.	0.00	0.00	0.0000	NF	NF	5	0	Work commenced
641	2014-15	TVC division - Reconstruction of ROB No.234A (1x18.60m sk) between CGV-CGY stations due to doubling.	0.00	0.00	0.0000	NF	NF	100	100	Commissioned
642	2014-15	TVC division -Reconstruction of ROB No.230A (1x14.06m sk) between CGV-CGY stations due to doubling.	0.00	0.00	0.0000	NF	NF	100	100	Commissioned
643	2014-15	TVC division -Reconstruction of ROB No.210 (1x12.10m sk) between CGV-CGY stations due to doubling.	0.00	0.00	0.0000	NF	NF	100	100	Commissioned
644	2014-15	TVC division-Reconstruction of RUB No.168 (1x12.20m) at TRVLI Yard station due to doubling.	0.00	0.00	0.0000	NF	NF	50	0	Work on doubling track completed and progressing in running line.

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
645	2014-15	TVC division-Provision of RUB in lieu of LC No.11 (1x7.0m) between CNGR-TRVL stations due to doubling.	0.00	0.00	0.0000	NF	NF	50	0	In progress
646	2014-15	TVC division-Provision of RUB in lieu of LC No.12 (1x7.5m RCC Box) between CNGR-TRVL stations due to doubling.	0.00	0.00	0.0000	NF	NF	35	0	Box pushing in progress
647	2014-15	TVC division -Provision of RUB in lieu of LC No.38 (1x4.5m) between CGV-CGY stations due to doubling.	0.00	0.00	0.0000	NF	NF	50	0	In progress
648	2014-15	TVC division -Provision of RUB in lieu of LC No.37 (1x4.5m) between CGV-CGY stations due to doubling.	0.00	0.00	0.0000	NF	NF	50	0	In progress
649	2014-15	TVC division - Extension of RUB No. 249 (1x6.0m) between CGV-CGY stations due to doubling.	0.00	0.00	0.0000	NF	NF	5	0	Work in progress
650	2014-15	PGT Division - Proposed LHS at the location of L.C. No.92 @ km 20/300-400 between Mangalore Junction & Panambur stations.	0.00	0.00	0.0000	Work completed	NF	100	40	Track portion completed Approach portion pending . Land acquisition is in progress
651	2014-15	MS-VM Section Rebuilding of Br. No. 95A at km 29/17-19 for proposed 3 line between TBM & CGL (Proposed 3rd line between TBM and CGL)	0.00		0.0000	May-21	NF	40	0	Railway portion: Substructure completed. Composite girder fabricated and at site. Launching scheme under approval in CRS/ SBC office
652	2014-15	MS-VM Section Rebuilding of Br. No. 95 B at km 29/17-19 for proposed 3 line between TBM & CGL (Proposed 3rd line between TBM and CGL)			0.0000	NF	NF	0	0	On commissioning of new ROB 95A, this work will be taken up.
653	2014-15	MS-VM Section Rebuilding of Br. No. 159 A at km 55/100-200 for proposed 3 line between TBM & CGL (Proposed 3rd line between TBM and CGL)			0.0000	NF	NF	0	0	On commissioning of new ROB 159B, this work will be taken up.

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
654	2014-15	MS-VM Section Rebuilding of Br. No. 159 B at km 55/100-200 for proposed 3 line between TBM & CGL (Proposed 3rd line between TBM and CGL)			0.0000	May-21	NF	40	0	Railway portion: substructure completed. Composite girder fabricated and at site. Launching of girders planned during 20,21st March 2021.
655	2019-20	Limited height subway in lieu of LC No.52 in MDU-BDNK section @ Km58/7-8			0.0000	Work completed	Work completed	100	100	Work completed and commissioned in July-20
656	2019-20	Limited height subway in lieu of LC No.57 in MDU-BDNK section @ Km63/7-8			0.0000	Work completed	Work completed	100	100	Work completed and commissioned in July-20
657	2019-20	Limited height subway in lieu of LC No.81 in MDU-BDNK section @ Km.87/15-88/1			0.0000	Work completed	Work completed	100	100	Work completed and commissioned in July-20
658	2008-09	MNM-VPT section - Proposed Limited HeightSubway in lieu of LC No 49 at Km611/4-5.	0.50	0.00	-0.4006	Work completed	Work completed	100	100	Work completed
659	2016-17	MNM-VPT (MG) section- provision of limited Heightsubway in lieu of exg. LC.NO.50 km 611/14-612/1	0.50	0.00	0.0000	Work completed	Work completed	0	0	Work executed by Dvn.
660	2008-09	MNM-VPT section - Proposed Limited HeightSubway in lieu of LC No 57 at Km. between stations	0.50	0.00	10.8295	Work completed	Work completed	100	100	Work completed
661	2016-17	MDU-BDNK section-Provision of LHS 1x4.5 RCB in lieu of exg LC.47 at 54/13-14	1.17	0.00	0.2412	Work completed	Work completed	100	100	Duplicate sanction. Work executed under PB 341
662	2016-17	MDU-BDNK section-Provision of LHS 1x4.5 RCB in lieu of exg LC.51 at 57/13-14	1.17	0.00	0.0000	Work completed	Work completed	100	100	Work completed and commissioned in Sept-19
663	2016-17	MDU-BDNK section-Provision of LHS 1x4.5 RCB in lieu of exg LC.64 at 69/9-8	1.17	0.00	0.1738	Work completed	Work completed	100	100	Duplicate sanction. Work executed under PB 341
664	2016-17	MDU-BDNK section-Provision of LHS 1x4.5 RCB in lieu of exg LC.69 at 73/3-4	1.17	0.00	0.0000	Not Feasible	Not Feasible	0	0	Exg manned gate retained.

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
665	2016-17	Tiruchchirappalli - Manamadurai section - Provision of LHS (1x4.50m RCB) in lieu of exg LC.No.355 (M) at km 433/000-100.	1.38	0.00	0.0000	Not Feasible	Not Feasible	0	0	Not feasible, converted as Manned LC
666	2006-07	MUTHALAMADA - KOLLENGODE STATIONS - Provision of Limited Height Subway in lieu of exg. LC No.30 at 32/10-11(id : 287 / 06-07), CAO/CN	0.18	0.00	0.1849	Work completed	Work completed	100	100	Work completed under GC
667	2007-08	POLLACHI - PALGHAT [MG] section - Provision of Limited Heightsubway in lieu of exg.LC.no.19 (id:447/07-08), CAO/CN	0.45	0.00	0.0000	Work completed	Work completed	100	100	Work completed under GC
668	2011-12	Palghat-Pollachi section - Limited HeightSubway in lieu of LC No.24 at Km.25/3-4 between MXM-MMDA stations	1.27	0.00	0.0008	Work completed	Work completed	100	100	Commissioned
669	2011-12	Palghat-Pollachi section - Limited HeightSubway in lieu of LC No.29 at Km.32/1-2 between MMDA-KLGD stations	1.27	0.00	0.0008	Not feasible	Not feasible	0	0	Manning by PGT Dvn.
670	2011-12	Palghat-Pollachi section - Limited HeightSubway in lieu of LC No.32 at Km.34/4-5 between KLGD-MMDA stations	1.27	0.00	1.1449	Work completed	Work completed	100	100	Subway commissioned. LC eliminated.
671	2011-12	Palghat-Pollachi section - Limited HeightSubway in lieu of LC No.42 at Km.46/14-47/1 between PDGM-PGTN stations	1.27	0.00	0.0008	Not feasible	Not feasible	0	0	Manning by PGT Dvn.
672	2011-12	POY - PTJ section - Proposed Limited HeightSubway in lieu of LC No.142 at Km.142/1-2 between POY-CNV stations	1.51	0.00	0.0008	Work completed	Work completed	100	100	Rly portion and appr completed in Dec. 14. commissioned
673	2011-12	POY - PTJ section- Proposed Limited HeightSubway in lieu of LC No.141 at Km.140/9-10 between POY-CNV stations	1.46	0.00	0.0008	Work completed	Work completed	100	100	Completed & Commissioned

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
674	2011-12	POY - PTJ section - Proposed Limited HeightSubway in lieu of LC No.138 at Km.139/4-5 between POY-CNV stations	1.83	0.00	0.5110	Work completed	Work completed	100	100	Opened for traffic
675	2011-12	CNV-PTJ section-Provision of Limited HeightSubway 1x4.50x3.66m lieu of LC No.157 at Km.156/1-2	2.01	0.00	0.0008	Work completed	Work completed	100	100	Rly portion and appr completed in Nov. 14.
676	2011-12	CNV-PTJ section-Provision of Limited HeightSubway 1x4.50x3.66m lieu of LC No.161 at Km.159/10-11	2.08	0.00	0.0010	Work completed	Work completed	100	100	Rly portion and appr completed in Feb 15.
677	2011-12	CNV-PTJ section-Provision of Limited HeightSubway 1x4.50x3.66m (cast-in-situ) lieu of LC No.151 at Km. 149/13-14 & LC No.156at Km. 154/09-10	1.91	0.00	0.0004	Work completed	Work completed	100	100	Completed
678	2011-12	CNV-PTJ section-Provision of Limited HeightSubway 1x4.50x3.66m (cast-in-situ) lieu of LC No.151 at Km. 149/13-14 & LC No.156at Km.154/09-10	1.91	0.00	0.0004	Work completed	Work completed	100	100	Completed
679	2006-07	CNV-PTJ section-Proposed limited Heightsubway in lieu of manned LCNo. 153 at km151/12-13 between CNV-PTJ stations.	1.51	0.00	0.0007	Work completed	Work completed	100	100	Rly portion and appr completed in Nov. 14.
680	2006-07	CNV-PTJ section-Proposed limited Heightsubway 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.
681	2011-12	CNV-PTJ section - Provision of Limited HeightSubway 7.50m lieu of LC No.154 at Km.152/03-04	1.91	0.00	5.7193	Work completed	Work completed	100	100	Completed
682	2011-12	CNV-PTJ section - Provision of Limited HeightSubway 7.50m lieu of LC No.155 at Km.152/15-16	2.44	0.00	0.0008	Work completed	Work completed	100	100	Rly portion and appr completed in Nov. 14.
683	2012-13	MV-KKDI-Proposed SUBWAY in lieu of Unmanned LCNo.37 at Km.41/4-5	2.17	0.00	0.0000	May-21	Aug-21	30	0	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
684	2012-13	MV-KKDI-Proposed SUBWAY in lieu of Unmanned LC No.51 at Km.68/5-6	2.17	0.00	1.2687	Not Feasible	Not Feasible	0	0	Not feasible, converted as Manned LC
685	2012-13	MV-KKDI-Proposed SUBWAY in lieu of Unmanned LC No.52 at Km.69/2-3.	2.17	0.00	1.2688	Work completed	Work completed	100	100	Work completed during April-19
686	2012-13	MV-KKDI-Proposed SUBWAY in lieu of Unmanned LCNo.55 at Km.74/9-10.	2.17	0.00	5.2098	Work completed	Work completed	100	100	Work completed during April-19
687	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LC No.64 at Km.88 /8-9	2.17	0.00	1.2688	Not Feasible	Not Feasible	0	0	Not feasible, converted as Manned LC
688	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LC No.67 at Km.91 /4-5	2.17	0.00	1.2688	Work completed	Work completed	100	100	Work completed during May-19
689	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LCNo.98 at Km.118/4-5	2.17	0.00	0.0000	Work completed	Work completed	100	100	Work completed in Aug-17
690	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LC No.99 at Km.119/0-1	2.17	0.00	0.0000	Not Feasible	Not Feasible	0	0	Not feasible, converted as Manned LC
691	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LCNo.110 at Km.126/11-12	2.17	0.00	0.0000	Not Feasible	Not Feasible	0	0	Not feasible, converted as Manned LC
692	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LCNo.116 at Km.131/1-2	2.17	0.00	0.0000	Not Feasible	Not Feasible	0	0	Not feasible, converted as Manned LC
693	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LCNo.117 at Km.132/8-9	2.17	0.00	0.0000	Not Feasible	Not Feasible	0	0	Not feasible, converted as Manned LC
694	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LCNo.124 at Km.136/8-9	2.17	0.00	0.0000	Work completed	Work completed	0	0	Outrightly closed without any alternative
695	2012-13	MV-KKDI-Proposed Subway in lieu of Manned LC No.41 at Km.50/0-1	2.17	0.00	0.0000	Not Feasible	Not Feasible	0	0	Not feasible, converted as Manned LC
696	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LCNo.130 at Km.140/9-10	2.17	0.00	0.0000	Not Feasible	Not Feasible	0	0	Not feasible, converted as Manned LC
697	2012-13	MV-KKDI-Proposed Subway in lieu of Unmanned LCNo.132 at Km.142/10-11	2.17	0.00	0.0000	Not Feasible	Not Feasible	0	0	Not feasible, converted as Manned LC
698	2012-13	MV-KKDI-Proposed SUBWAY in lieu of Unmanned LCNo.161 at Km. 166/5-6.	2.17	0.00	0.0000	Work completed	Work completed	100	100	Work completed in Aug-17

STATUS OF ROAD OVER / UNDER BRIDGE WORKS as on 31/03/2021

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
699	2012-13	MV-KKDI-Proposed SUBWAY in lieu of Unmanned LCNo.166 at Km. 169 / 2-3.	2.17	0.00	0.0000	Not Feasible	Not Feasible	0	0	Not feasible, converted as Manned LC
700	2012-13	MV-KKDI section-Proposed Subway in lieu of Manned LCNo.46 at Km.62/1-2	2.17	0.00	0.0000	Not Feasible	Not Feasible	0	0	Not feasible, converted as Manned LC
701	2012-13	MV-KKDI section-Proposed Subway in lieu of Manned LCNo.107 at Km. 125/1-2	2.17	0.00	0.0000	Not Feasible	Not Feasible	0	0	Not feasible, converted as Manned LC
702	2012-13	MV-KKDI section-Proposed Roadunder Bridge in lieu of exg.Manned LCNo.73 at km 95/5-6	2.49	0.00	0.0000	Work completed	NF	100	50	ERR Work: LC Eliminated. Box casting completed & Approach in progress. Due to LA work stopped.
703	2013-14	TTP-AGX section. Provision of limited Heightsubway in lieu of existing unmanned LC NO. 34 at km 30/5-6.	2.39	0.00	0.0000	NF	NF	10	0	Subway work stopped by local public demanding higher height of subway.
704	2017-18	PKT-KKDI section Proposed elevated road crossing in lieu of LC No. 81 at km.103/600-700	2.45	0.00	0.0000	NF	NF	0	0	Work to be dropped as State Govt. not agreeing for lesser road width
705	2017-18	PKT-KKDI section Proposed elevated road crossing in lieu of LC No. 82 at km 104/600-700	2.45	0.00	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
706	2017-18	Proposed Extention of existing RUB no. 297 (1 x 4.57 m- PSC Slab) as 1x 6.10m for doubling line at Km. 58/000-100 between Ettumanur and Kottayam Stations.	0.00	0.00	0.0000	Work completed	Work completed	100	100	Work completed and commissioned in Aug-2020 Commissioned.ainage work is under final stage of completion.

6. Remodelling and Construction of Yard 2020-21**(I) Works Completed**

Sl. No.	Division	Description of work	cost Rs. in lakhs	Remarks
(a) Works costing more than Rs. 5 lakhs each-				
1.	MAS		-	
2.	SA	Nil		
3.	PGT	MAJN & MAQ (Work being done by CN unit)		
4.	TVC	Nil		
5.	TPJ	Nil		
6.	MDU	-		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 Staiton.
7.	CE/CN/ERS	KTYM Yard		
8.	CE/CN/MS	Nil		
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/ERS	-		
8.	CE/CN/MS	-		
9.	MTP	-		
(II) Works in Progress				
(a) Works costing more than Rs. 5 lakhs each-				
1.	MAS	-		
2.	SA	Provision of softupgrades to station over DEN/West/SA Portion. (ADEN/PTJ-SSE. Works/ONR sec)	367.17	
3.	PGT	-		
4.	TVC	-		
5.	TPJ	-		
6.	MDU	-		
7.	CE/CN/ERS	(a) AMPA Yard	1247.30 (part of doubling)	
		(b) CAPE, NJT, ERL, NEM, KCVL	3900 (part of doubling)	
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 2020-21

Sl. No.	Division	Station	Name of work	Estimate cost Rs. in Lakhs	Sl. No.	Division	Station	Name of work	Estimate cost Rs. in Lakhs
I. Provision of New loops					(b) Works costing more than Rs. 5 lakhs each—				
(A) Works completed					1.	MAS	..	Nil	..
(a) Works costing more than Rs. 5 lakhs each—					2.	SA	..	Nil	..
1.	MAS	..	Nil	..	3.	PGT	..	Nil	..
2.	SA	..	Nil	..	4.	TVC	..	Nil	..
3.	PGT	..	Nil	..	5.	TPJ	..	Nil	..
4.	TVC	..	Nil	..	6.	MDU	..	Nil	..
5.	TPJ	..	Nil	..	7.	CE/CN/ERS	..	Nil	..
6.	MDU	..	Nil	..	8.	CE/CN/MS	..	Nil	..
7.	CE/CN/ERS	..	Nil	..	9.	MTP	..	Nil	..
8.	CE/CN/MS	..	Nil	..	(B). Works in Progress				
9.	MTP	..	Nil	..	(a) Works costing more than Rs. 5 lakhs each—				
(b) Works costing less than Rs. 5 lakhs each—					1.	MAS	..	Nil	..
1.	MAS	..	Nil	..	2.	SA	..	Nil	..
2.	SA	..	Nil	..	3.	PGT	..	Nil	..
3.	PGT	..	Nil	..	4.	TVC	..	Nil	..
4.	TVC	..	Nil	..	5.	TPJ	..	Nil	..
5.	TPJ	..	Nil	..	6.	MDU	..	Nil	..
6.	MDU	..	Nil	..	7.	CE/CN/ERS	..	Nil	..
7.	CE/CN/ERS	..	Nil	..	8.	CE/CN/MS	..	Nil	..
8.	CE/CN/MS	..	Nil	..	9.	MTP	..	Nil	..
9.	MTP	..	Nil	..	(b) Works costing less than Rs. 5 lakhs each—				
(B) Works in progress					1.	MAS	..	Nil	..
(a) Works costing more than Rs. 5 lakhs					2.	SA	..	Nil	..
1.	MAS	..	Nil	..	3.	PGT	..	Nil	..
2.	SA	..	Nil	..	4.	TVC	..	Nil	..
3.	PGT	..	Nil	..	5.	TPJ	..	Nil	..
4.	TVC	..	Nil	..	6.	MDU	..	Nil	..
5.	TPJ	..	Nil	..	7.	CE/CN/ERS	..	Nil	..
6.	MDU	..	Nil	..	8.	CE/CN/MS	..	Nil	..
7.	CE/CN/ERS	..	Nil	..	9.	MTP	..	Nil	..
8.	CE/CN/MS	..	Nil	..	III. Provision of Crossing Station				
9.	MTP	..	Nil	..	(A) Works Completed				
(b) Works costing less than Rs. 5 lakhs each—					(a) Works costing more than Rs. 5 lakhs each—				
1.	MAS	..	Nil	..	1.	MAS	..	Nil	..
2.	SA	..	Nil	..	2.	SA	..	Nil	..
3.	PGT	..	Nil	..	3.	PGT	..	Nil	..
4.	TVC	..	Nil	..	4.	TVC	..	Nil	..
5.	TPJ	..	Nil	..	5.	TPJ	..	Nil	..
6.	MDU	..	Nil	..	6.	MDU	..	Nil	..
7.	CE/CN/ERS	..	Nil	..	7.	CE/CN/ERS	..	Nil	..
8.	CE/CN/MS	..	Nil	..	8.	CE/CN/MS	..	Nil	..
9.	MTP	..	Nil	..	9.	MTP	..	Nil	..
II. Extension of Loops					(b) Works costing less than Rs. 5 lakhs each—				
(A) Works completed					1.	MAS	..	Nil	..
(a) Works costing more than Rs. 5 lakhs each—					2.	SA	..	Nil	..
1.	MAS	..	Nil	..	3.	PGT	..	Nil	..
2.	SA	..	Nil	..	4.	TVC	..	Nil	..
3.	PGT	..	Nil	..	5.	TPJ	..	Nil	..
4.	TVC	..	Nil	..	6.	MDU	..	Nil	..
5.	TPJ	..	Nil	..	7.	CE/CN/ERS	..	Nil	..
6.	MDU	..	Nil	..	8.	CE/CN/MS	..	Nil	..
7.	CE/CN/ERS	..	Nil	..	9.	MTP	..	Nil	..
8.	CE/CN/MS	..	Nil	..					
9.	MTP	..	Nil	..					

7. Line Capacity Work 2020-21

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	..	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 2020-21

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	i) Erode Pit Line capacity augmentation from 17 coaches to 24 coaches including earth work excavation.	163.00	
		ii) Labour Rest Room & Toilet facilities at Good Shed at TUP.	32.00	..
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	ADEN/TVT	- Provision of various amenities in goods shed at KOKG	195.46
2.	SA		Provision of T-Type Catwalk for 10 coach length and extension of L-Type Catwalk for 10 coach length	160.00
3.	PGT		i) Minimum and essential facilities for inspection for Eight car MEMU unit rakes	15.169
			ii) MAQ: Provision new 24 coach pit line Agt.No.0005 of 05.03.2021	676
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	..

8. Doubling of Lines 2020-21

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 2020-21

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 2020-21

(Rs. in Crores)

Sl. No.	Division	Section	Length in km.	Physical progress	Date of which the section offered		Remarks
					Goods Traffic	Passenger Traffic	
(b) New doubling sanction during the year 2020–21							
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		86.56 8 Km.	30% 60%	..		TVC–CAPE KRPP–ETM commissioned on 24.5.19 work is in progress for ETM-KTYM & KTYM-CGV target to complete in Dec. 2021
			18.66	88%			16.368 Km. out of total 18.66 Km commissioned and opened for traffic.
			1.66 Km	100%			Section opened for traffic.
8	CE/CN/MS	(i) Chennai Beach - Korukkupet III line (4.1 kms) (PB No.17)	4.1	96%		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.
		(ii) Chennai Beach - Attippattu 4th Line (22.1 Kms) (PB No.19)	22.1	95%	ENR-AIPP 10/11/14 TVT-ENR 31/03/17 KOK-TVT 30/12/18 MSB-KOK 27/06/2019 AIPP-AIP 28/11/2020		All the sections commissioned (Attippattu Pudunagar-Attippattu (1.7 km) lastly commissioned on 28.11.2020) . Attippattu Pudunagar & Attippattu yards have been commissioned on 23.11.2020 & 28.11.2020 respectively. Section dedicated to public by hon'ble PM on 14.02.2021.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.
		(iii) 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)	10300%	94%	CGL-VM:7/09/2015 GI-SKL : 30/10/2020 SKL-CGL : 05/03/2021		Chengalpattu-Villupuram (103 km) section commissioned. Detailed estimate for Tambaram-Chengalpattu 3rd line (MM) for Rs.255.68 cr. sanctioned. 0.12 ha of land to be acquired from State Highways for which request has been given on 28/ 02/2018 (This does not affects commissioning). Guduvancheri- Singaperumal Koil (11 km) stretch commissioned on 30.10.2020. Singaperumal Koil-Chengalpattu (8 km) stretch inspected by CRS on 03.03.2021 and authorised by CRS for commissioning of passenger traffic on 05.03.2021. Regarding Tambaram- Guduvancheri (11 km) works are in progress and planned for commissioning by May 2021.

8. Doubling of Lines 2020-21

(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 2020–21							
		(iv)Omalur-Mettur Dam - doubling with electrification (28.93 km) (PB No.29).	28.93%	95%	MDTM-MCRD :16/10/20 MCRD-OML : 30/03/21		(i) Mettur Dam-Mecheri Road (16 km): Works have been completed. The section originally scheduled for CRS inspection on 27.03.2020 has been postponed indefinitely due to Covid-19. CRS inspected the section on 28.09.2020 and authorised the section on 30.09.2020 @ 65 kmph for Passenger Traffic. Section opened on 16.10.2020. (ii) Mecheri Road-Omalur (13 km): All the required land have been received during the second week of January 2021. Works have been completed. CRS inspected the section on 25.02.2021 and authorised the section on 02.03.2021 for commissioning of Passenger traffic @ 60 kmph. Section commissioned on 30.03.2021.
		(v) Madurai - Vanchi Maniyachchi - Tuticorin (158.81 km) (PB No.32) (RVNL)	158.81	-	-	-	Detailed Estimate for Rs.1182.31 cr. along with revised DPR sanctioned by Board. Work is being executed by RVNL. Works are progressing.
		(vi) Vanchi Maniyachchi-Nagercoil (102.19 Kms) (PB No.34) (RVNL).	102.19	-	-	-	Detailed Estimate for Rs.1003.94 cr. along with revised DPR sanctioned by Board. Work transferred to RVNL. Works are progressing.
		(vii) Salem - Magnesite Junction - Omalur (11 km) (Supp. Demand) (PB No.36)	11	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 dt.10/05/2017.Tender called for earthwork formation & minor bridges, ROB, LHS and opened on 15/03/2019.
		(viii) Katpadi - Villupuram - (160.10 km)	160.1	0%	-	-	Final Location Survey is in progress
		(ix) Salem - Karur - Dindigul (160 km)	160	0%	-	-	Final Location Survey is in progress
		(x) Erode - Karur (65 km)	65	0%	-	-	Final Location Survey is in progress
		(xi) Chennai Beach - Chennai Egmore (4.3 km)	4.3	0%	-	-	Detailed Estimate for Rs.280.74 cr. and IRR have been vetted by Finance and is under process for sanction of Railway Board. LPS for acquisition of 1.51 Hec. of land (Defence, RBI and Port Trust) submitted to District collector on 14/07/2020. District Collector, Chennai has made the formal request to the Port Trust, Defence & RBI officials regarding land acquisition. Planned for completion by December 2022.
9	MTP	-					

8. Doubling of Lines 2020-21

(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 2020–21							
3. Doubling completed							
1	MAS	-					
2	SA	-					OML - MTDM section doubling taken by Open Line from CN.
3	PGT	-					
4	TVC	-					
5	TPJ	-					
6	MDU	(i) MDU-MEJ-TN (KDU-MEJ-TIP section).	30	100%	15.07.2020	15.07.2020	Sections commissioned for traffic.
		(ii) MEJ-TEN-NCJ (MEJ-GDN section)	15	100%	15.07.2020	15.07.2020	
		(iii) MDU-MEJ-TN (CVP-KDU section)	17.3	100%	28.02.2021	28.02.2021	
		(iv) MEJ-TEN-NCJ (GDN-TEN section)	14	100%	28.02.2021	28.02.2021	
		(v) MDU-MEJ-TN (TMQ-TY section)	41.2	100%	30/31.03.2021	30/31.03.2021	
7	CE/CN/ERS		18.14KM	100%	-	14.03.2020 (DN line)	HAD-AMBA
			18.14KM	Regrading of Up line completed - 100%	-	24.03.2021 (UP line)	HAD-AMBA
8	CE/CN/MS	(i) Madurai - Dindigul (62.05 Kms) (PB No.29)		100%	-	29.07.09	Section commissioned.
		(ii) Villupuram-Dindigul (with Electrification 273 Kms) (PB No.36) (TVNL Project)	99%		-	29.03.2018	Section commissioned.
		(iii) Tiruvallur - Arakkonam 4th line (26.83 Kms) (PB No.37) (TVNL project)	100%			10.07.2016	Section commissioned.
		(iv) Thanjavur - Ponmalai - Doubling (46.96 Km.) with bye-pass line before Ponmalai (1.13 km) (PB No.41) (RVNL).	98%			27.03.2018	Section commissioned.
9	MTP	-					

9. Siding 2020-21

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	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	
B Works Progress			
(a) Works costing more than Rs. 5 lakhs.			
1	MAS	-	
2	SA	Provision of concrete pavement at unloading platform SAMT.	190.11
3	PGT	-	
4	TVC	-	
5	TPJ	-	
6	MDU	Proposed Oil Siding (HPCL) at Kappalur take of from TDN Station.	4000.00
7	CE/CN/ERS	-	
8	CE/CN/MS	-	
9	MTP	-	
(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 2020-21

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 2020-21

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	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 2020-21

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	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 ₹ 5 lakhs each—			
1	MAS	SSE/W/JTJ - AJJ-JTJ Section - Provision of track machine siding at GYM - 200m and provision of infrastructure facilities.	100.11
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	-	
3	PGT	-	
4	TVC	-	
5	TPJ	-	
6	MDU	-	
7	CE/CN/ERS	-	
8	CE/CN/MS	-	
9	MTP	-	

10. Strengthening of Track 2020-21

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	161	55982.59	0	0	141	219127.14	0	0

10. Strengthening of Track 2020-21

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	81	9286.41	—	—	30	81714.52	—	—
2	SA	26	26767.85	—	—	11	8753.64	—	—
3	PGT	4	300.12	—	—	34	61240.50	—	—
4	TVC	21	12425.08	—	—	22	24100.21	—	—
5	TPJ	23	5957.64	—	—	8	3936.13	—	—
6	MDU	6	1245.49	—	—	36	39382.14	—	—
7	CE/CN/ERS	—	—	—	—	—	—	—	—
8	CE/CN/MS	—	—	—	—	—	—	—	—
9	MTP	—	—	—	—	—	—	—	—
	Total	161	55982.59	0	0	141	219127.14	0	0

11. Fencing 2020-21

Sl. No.	Division/Station	Name of work	Cost of Rs.
(A) Works Completed			
(a) Works Costing more than Rs.5 lakhs each			
1	MAS	SSE/W/RPM - Construcion of boundary wall at vulnerable locations inADEN/WST Sub division.	2641.00
2	SA	Construction of boundary wall for tresspassing area between Km. 218/700-219/000, .. 223/100-223/200,229/500-229/600, 243/300-243/400(600 meters)	15361.00
3	PGT	Construction of boundary wall/fencing to prevent encroachment on railway land at TLV & TIR	4286.00
4	TVC	-	-
5	TPJ	-	-
6	MDU	SSE/W/DG - ABI sttion PF fencing	986.00
7	CE/CN/MS	-	-
8	CE/CN/ERS	(i) HAD-AMPA	3300.00
		(ii) TVC-CAPE	16000.00
9	MTP	-	-

11. Fencing 2020-21

Sl. No.	Division/Station	Name of work	Cost of Rs. (in Thousands)

(b) Works Costing less than ₹ 5 lakhs each

1	MAS	-	-
2	SA	-	RE-construction of damaged boundary wall near Goods Shed & Stationentrance at ED.
3	PGT	-	-
4	TVC	-	-
5	TPJ	-	-
6	MDU	-	(i) SSE/W/DG (i) Repairs to SouthColony Fencing at DG 490.00
		-	(ii) SSE/W/MDU: (ii) Construction of boundary wall (as per type PlanNo.23/2013) .. 400.00
7	CE/CN/MS	-	
8	CE/CN/ERS	-	
9	MTP	-	

(B) Works in Progress

(a) Works Costing more than Rs. 5 lakhs each

1	MAS	-	(i) SSE/W/MS - Repairs to fencing and reconstruction of compound wall at Railway Officers Colony at RostroverGarden.	10400.00
		-	(ii) SSE/W/KPD - AJJ-RU & AJJ-JTJ section - Construcion of boundary wall at vulnerable locations in ADEN/KPDand JTJ sub-divisions.	39200.00
		-	(iii) SSE/W/RPM - Construcion of compound wall alongside the track to prevent trespassing.	9283.00
2	SA	-	(i) Construction of boundary wall atvulnerable locations /stations / Rly. Colonies in ADEN/ED jurisdiction.	16000.00
		-	(ii) Boundary wall in ADEN/S/SA Sub-division.. .. . 17424.00	
3	PGT	-	Basic Security arrangements construction of compound wall at SRR & TIR.. .. . 22098.00	
		-	DEN/W/PGT Portion – Basic security arrangements byconstruction of boundary wall at CLT , CAN ,	15272.00
		-	PGT Division – DEN/W/Portion – Improvements to PF fencing with RCC pale fencing at various station.	22284.00
4	TVC	-	TVC Divn:- Construction of boundary wall to safe guard track and establishments ..	100235.00
5	TPJ	-		94800.00
6	MDU	-	(i) SSE/W/MDU: (i) Boundary wall / Fencing to prevent encroachment on Raiwlay land - Proposed boundary wall in between Madurai, Madurai EastStation & Manamadurai Colony.	2083.00
		-	(ii) SSE/W/MDU: (ii) Divisional Engineer/Central/MDU Jurisdiction - (Madurai Station, MDU-Vadipatti- Kodaikanal Road section) for a length of 2100 m.	12512.00
7	CE/CN/MS	-		
8	CE/CN/ERS	-		
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/DG: (i) Repairs to SSE/P.Way/Office compound wall	487.00
7	CE/CN/MS	-		
8	CE/CN/ERS	-		
9	MTP	-		

12 - Running Shed Facilities 2020-21

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	(i) Augmentaion of infrastructure facilities to increase holding form 175 to 200 Locos	558.00
		(ii) ONR - State of Art.	60.00
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	-	-
2	SA	(i) Maintenance of Electric locomotives in Diesel Shed, Erode	107.00
		(ii) ED - Creation of IOH facilities with two pitlines of one coach length at Erode Sick Line.	188.00
		(iii) Recyhling of treated water in effluent treatment plan at DSL Shed, ED	30.00
		(iv) DSL - MED - Development of infrastructure facilities for maintenancfe of 100 Electric Locos.	404.00
		(v) MTP - POH facilities for NMR Coaches	195.55
		(vi) CBE - Extension of IOH shed with one coach length pit line in Road-3	153.23
3	PGT	-	-
4	TVC	(i) Trivandrum - Construction of running room (60 beds)	563.23
		(ii) QLN :- Proposed roof covering to running room	17.31
5	TPJ	-	-
6	MDU	SSE/W/TEN - Additioanal beds to Running Rooms - Part-II - Construciton of Running Room at Milavittan & 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.—2020–21

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	- PER - Zone RM8 PER - Repairs and maintenance of all buildings, roads, etc in Dy.CEE/Elec./ PER office and S&T workshop.	10.69
2	SA	- (i) New Office Building Constructed and Commissioned	48.00
		(ii) Construction of Office for SSE/P.Way/ED at Erode	40.00
		(iii) Labour rest room and toilet facilities at good shed at TUP	30.00
3	PGT	- (i) SRR - Berthing and testisng facility for crane	54.05
		(ii) PGT-Minimum Essential Facilities for inspection of 8 car MEMU shed Unit	815.16
		(iii) PGT-Redevelopment of PGT Jn. Station- (1) Provision of paid AC waiting hall, Compound wall 250m long etc.	153.07
		(iv) PGT-Proposed construction of SSE/Bridge Office /PGT	55.11
4	TVC	- (i) ALLP-Improvement to SSE/P.Way office	35.23
		- (ii) TVC- Repairs to TI office and ESM call duty room and TTE's rooms for accommodating for TI and AA office including conversion of queing hall of PRS.	28.62
		- (iii) ERMCD- Repairs to mini repair Shed	27.41
		- (iv) ERS- Renovation of building to accomodate RCT	49.74
		- (v) TVC Division- Improvement to existing TTE rest room at NCJ and providing additional facilities with separate facility for ladies.	23.80
5	TPJ	- Nil	
6	MDU	- 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. Cost of Rs. 20 lakhs	20
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	- (i) Repairs to roof of SSE/PW/O/ATU	4.33
		(ii) Provision of SSE/PW/ATU/O Store Shed cum meeting hall	4.99
		(iii) Improvements to Material Stock Shed at SSE/WORKS/Office at Namakkal	4.52
		(iv) Repairs to Roof and Flooring of material stock shed at SSE/P.way/ Namakkal Office	4.76
3	PGT	- Nil	
4	TVC	- Nil	
5	TPJ	- Nil	
6	MDU	- (i) VPT-Repairs to toilet, flooring, leaky roof of tiffin shed at SSE/P.Way/O/VPT	3.02
		(ii) SSE/W/VPT: (ii) SVKS - Repairs to flooring, CB arrangements and Sse/JE/PW Room & Trolley Man Room in SSE/P/O/SVKS	0.56
		(iii) Brightening of SSE/TRD/O/MPA and provision of two wheeler shed	2.5
		(iv) SSE/W/DG: (iv) Provision of Tiffin Shed facilities at SSE/P.Way/DG section.. .. .	4.5
7	CE/CN/ERS	- Nil	
8	CE/CN/MS	- Nil	
9	MTP	- Nil	

13 PROVISIONAL IMPROVEMENTS TO OFFICES, STORES AND WORKSHOP ETC.—2020-21

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) PER - Construcion of Canteen & GLR at Dy.CMM/GSD/PER	35.34
		(ii) PER - Provision of Concrete Flooring cum Bins for Scrap Yard and back side of new depot building at GSD/PER.	158.00
2	SA	Construction for office of SSE/Pway/BQI	34.56
3	PGT	Nil	
4	TVC	(i) ALLP- Provision of ladies rest room for ALLP depot	14.97
		(ii) ERS:- Proposed construction of RPF kennel	40.97
		(iii) ERS-Proposed additional rooms for Lady LPs/ALPs in first floor of BTC	50.25
		(iv) ERS-RPF mobilization hub-Provision of light roofing	14.21
		(v) TVC Division:- Repair/Renovation works to RPF Barrack at ERS	50.88
		(vi) TVC Division - Provision of rest room with toilet facility and dress changing room for RPF lady staffs at NCJ, KCVL, TCR, QLN,CNGR & ERS .	81.96
5	TPJ	(i) Tiruchchirappalli - Construction of shed for berthing 140 t cranes & allied facilities at goods yard.	240.27
		(ii) Tiruchchirapalli Division - New Wagon Sick lines and Infrastructure facilities for the maintenance of BG Wagons at TPGY.	399.98
		(iii) TPJ - Construction of Rolling-in-Examination huts - 25 Nos. at TPJ, VM, PDY, TJ & MV Jn. Yard.	8.83
		(iv) GOC - Proposed provisions & Infrastructure for Maintenance Facilities for AC Locos in Diesel Shed at GOC.	249.95
		(v) TPJ - Automatic Coach Washing Plant at Coaching Depot / TPJ	226.07
		(vi) TPJ - Augmentation of Capacity of Pit Lines and Provision of Portal in DEMU Pit at Coach Maintenance Depot.	226.03
		(vi) GOC - Ponmalai Workshop - Improvements to Wheel Shop	295.63
6	MDU	SSE/W/MDU: (i) MDU Jn. - Repairs attention of catwalk in pit line and roof repair at IOH shed	105.97
7	CE/CN/ERS		
8	CE/CN/MS		
9	MTP		
b. Works costing less than Rs.5 lakhs each			
1	MAS		
2	SA	(i) Repairs to compound wall in rear side of ADEN/O/ATU	4.99
		(ii) Improvements to Office room and providing Store room in SSE/Tele/ Office at TUP	4.68
		(iii) Construction of Toilet and Bathroom for Staffs in Office of SSE/BRI/ED	3.01
3	PGT		
4	TVC		
5	TPJ		
6	MDU	(i) SSE/W/TEN : (i) SVV station: Improvements to Senior Section Engineer/P.Way/Office	5.00
		(ii) SSE/W/DG : (ii) Provision of toilet arrangement & brightening of Tifin shed at SSE/Works/DG	4.00
7	CE/CN/ERS		
8	CE/CN/MS		
9	MTP		

14. Flood Investigation and related subjects 2020-21

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 2020-2021, Flood Organization has carried out the following investigation/studies.

- Detailed investigation to assess the waterway requirement for 21 bridges for Rebuilding.
- Detailed studies to clear the GADs of 9 major bridges. (7 bridges for open line and 2 bridges for CN.
- Scrutinizing the bridge GADs and completion plants for issuing bridge certificate of GI - SKL - CGL section 3rd line, OML - MCRD - MTDM section doubling, GDN - TEN section doubling, USLP - ADPT section gauge conversion and WJR - RPT section new line works.
- Submission of 43 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 2020-2021, 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 2020-21 the above meeting was held for Andhra Pradesh, Kerala and Karnataka on 15.12.2020, 18.06.2020, 10.03.2020 and 19.06.2020 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 Puducherry and Kerala have been approved by the concerned State Governments and Government Orders issued and circulated among concerned officials.

14B Rehabilitation of Bridges : 2020-21

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	1	0
	(ii) Strengthening of weak/ Corroded Girders	0	0
	(b) Replacement of Existing Girders/ timber Top with RCC slab	0	0
14. B	(d) Repl. of existing weak/ corroded girders with new girders including Strengthening of Sub-Structures.	14	0
	(e) Rebuilding of existing weak bridges	23	0
	(f) Miscellaneous Bridge works including provision of centralised bearing, renewal of bed blocks, etc., ...	0	0
	Total items (a) to (f)	38	0
14. C	Extension of existing bridges	0	0
14. D	Construction of new bridges	1	0
	Total	39	0

14 (E) (i) Road over Bridge and Road under Bridges in lieu of Level Crossings Cost sharing Basis 2020-21

(a) Work completed during 2020-21 : No. of Bridges : 4 (Four)

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 (Cheranmaa nagar) @ km 6/15-17 in between Singanallur – Pilamedu station in ED - CBE - PTJ section.
3. MAS Division – Pro 4 L ROB in lieu of LC.No.29 at km 35/800-900 in between Kanchipuram East and Kanchipuram Railway stations.
4. 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.

(b) Work in Progress during 2019-20 : No. of Bridges : 21 (Twenty One)

1. PGT Division – Pro ROB in lieu of LC.No. 274 @ km. 816/800-900 in between Kanhangad-Pallikere stations in SRR-MAQ section.
2. MAS Division – Proposed RUB in lieu of LC.No. 6 (Wimco Nagar) @ km. 10/10-12 near Wimco Nagar station in MAS - GDR section.
3. MAS Division – RUB in lieu of LC.No.9 at km 23/12-14 in between Avadi - Pattabiram stations in MAS –AJJ section.
4. 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.
5. TPJ Division – Proposed ROB in lieu of LC.No.128 @ km. 151/12-13 between Vellore - Katpadi stations in VM – KPD section.
6. TPJ Division – Tiruchirappalli – Dindigul - 4 lane ROB in lieu of 2 lane bridge No.1136 near Tiruchirappalli Jn @ km.340/600-700.
7. TVC Division - Pro ROB in lieu of LC. No. 30 (Ettumanur) @ km. 52/10-11 in between Ettumanur - Kottayam stations in ERS - KYJ 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 between Ayodhyapattanam and Salem Town stations.
12. MDU Divn – ROB in lieu of LC.No. 501 at Km. 615/200-300 in bet Ramanathapuram and Uchippuli stations.
13. MDU Divn – ROB in lieu of LC.No.6 at Km. 6/500-600 in between Palayankottai and Seydunganallur 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. MDU Divn – Pro 2L ROB in lieu of LC.No. 449 at Km. 591/900-592/000 in bet Rajapalaiyam and Sankarankovil Rly stns.
16. MAS Divn – Pro 2L ROB in lieu of LC.No.26 at Km 35/6-8 between Ponneri & Kavaraipettai Rly stns.
17. TPJ Divn – Pro 2L ROB in lieu of LC.No.55 at Km. 67/100-200 in bet TANDARAI and TIRUVANNAMALAI stations.
18. SA Divn – Pro 2L ROB in lieu of LC.No.142-A at Km. 466/21-23 in between Somanur and Sular Road Rly stations.
19. TPJ Divn – Pro 2L ROB in lieu of LC.No. 80 at Km. 99/100-200 at POLUR Yard.
20. SA Divn – Pro 2L ROB in lieu of LC.No.11 at Km. 26/100-200 in between Karamadai and Mettupalaiyam Rly stns.
21. Road Over Bridge in lieu of LC No. 122 @ 123/1 - 2 in between Pollachi - Podanur stns with Limited Hight Subway.

(ii) Road Over Bridges and Road Under Bridges on Deposit terms (NHAI) - 2020-21

(a) Work completed during 2020-21 : No. of Bridges : 6 (Six)

1. 6L ROB in lieu of LC 28 Rly at km. 29/500-600 between ODDANCHATRAM and AKKARAIPATTI.
2. 6L ROB in lieu of LC 37 Rly at km. 35/12-13 between ODDANCHATRAM and CHATRAPPATTI.
3. 2L ROB at Rly. km 55/3-4 in between ALAPPUZHA and TUMBOLI Rly. Stns. - ALAPUZHA BYEPASS.
4. 2L ROB at Rly. km 57/14 - 15 in between ALAPPUZHA and PUNNAPRA Rly. Stns. - ALAPUZHA BYEPASS.
5. Pro. 6L ROB at Rly. km. 292/700 between Nagercoil and Tovalai Stations (NCJ-TEN Section)
6. Pro. 6L ROB at Rly. km. 297/700 between Nagercoil and Tovalai Stations (NCJ-TEN Section)

(b) Work in progress during 2019-20 : No. of Bridges : 10 (Ten)

1. 4L ROB at km. 499/100-200 bet Karaikudi and Kallal.
2. 4L ROB at Km. 417/700-800 near Kumaramangalam.
3. 2L ROB at km. 242/856-200 between Kagankarai and Samalpatti.
4. 2L ROB at Rly. km. 122/386 between Olakkur - Tindivanam.
5. 2L ROB to the exg. ROB No. T/23A at Km 645/200-300. (Milevattan).
6. Addl 2L ROB to the existing ROB 194/A at Km. 132/16-18 Pudi - Renigunta.
7. 4L ROB at Rly Km. 346/000 between Punggudi - Trichy stations.
8. Pro 4/6L ROB at Rly. Km. 75/090 in Theni yard.
9. 4L ROB at Rly. km. 185/700 - 800 between PANRUTI and MELPATTAMBAKKAM Rly. Stns.
10. 4L ROB at km. in lieu of LC No. 7 at Rly. km. 6/100 - 200 between VILLUPURAM Jn. and CHINNABABU SAMUDRAM.

(iii) Road Over Bridges and Road Under Bridges on Other than NHAI Deposit terms - 2020-21

(a) Work completed during 2020-21 : 4 (Four)

1. SA Division - Pro. 6L ROB at Rly. km. 297/700 between Nagercoil and Tovalai Stations (NCJ - TEN section).
2. MDU Pro. : Additional two lane ROB TO exg. ROB No. 1523A @ km 508/200-300 between Tiruparkundram and Tirumangalam stns. Deposit work for TNRIDC.
3. TVC Divn. : Proposed ROB at km. 32/400 - 500 near existing ROB No. 77 (Poothole) between Thrissur and Punnamm stations.
4. SA Division - ROB at km. 445/19-21 between Tiruppur and Vanjipalayam stations in Erode - Irugur section (Chikkana College)

(b) Work in progress during 2020-21 : No. of Bridges : 3 (Three)

1. MAS Divn - Pro RUB in lieu of LC No. 11A at km WK/24 - 26 between Washermenpet and Korurukupet stns (BOJARAJA NAGAR).
2. Pro. Light Vechile ROB at km. 212/15-17 at Joarpettai yard.
3. Proposed ROB at km. 79/000 - 1000 in AJJ - RU section for Tiruttani Bye pass.

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(iv). Commissioned ROB / RUB's during 2020-21 : No. of Bridges : 14 (Fourteen)

Sl. No.	State	Divn.	Section	LC No.	Name of Work	Year
1	TN	TPJ	VM-TPJ (C)	201	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.	June - 20
2	TN	MAS	AJJ - JTJ	86	MAS Division - Proposed ROB in lieu of LC No. 86 @ km. 211/4-6 in between Kettandapatti - Jolarpettai stations in MAS - JTJ section.	June - 20
3	TN	SA	ED - SRR	NA US @ km. 388	Pro./140 near Cauvery Railway Station	June - 20
4	TN	SA	SA - VRI	187	SA Division-ROB in lieu of LC No. 187 at km. 192/400-500 near Salem Jn. in between Salem Market and Salem Junction.	June - 20
5	TN	MDU	DG-POY	28	6 L ROB at Rly. km. 29/500-600 between ODDANCHATRAM and AKKARAIPATTI	June - 20
6	TN	MDU	VPT-MEJ	440	Construction of Limited use subway in lieu of LC No. 440 at km. 440 at km. 588/600-700 in between Kovilpatti and Kumarapuram stations.	June - 20
7	KL	MDU	TSI-QLN	518	MDU Division-Proposed RUB in lieu of LC No. 518 @ km. 717/2-3 in between Edamann - Punalur stations in SCT - QLN section.	June - 20
8	TN	MDU	DG-POY	37	6 L ROB in lieu of LC No. 37 at Rly. km. 35/12-13 between ODDANCHATRAM and CHATRAPPATTI.	June - 20
9	KL	PGT	SRR-MAQ	NA	PGT Division - Pro ROB at Rly. km. 834/400-500 in between Kottikulam and Kalanad Rly. Stn. in SRR - MAQ section (CHEMNAD Grama Panchayat - CHATHANKAI)	Oct. - 20
10	TN	MAS	MAS-AJJ	4	MAS Divin. - Proposed RUB in lieu of LC No. 4 (Villivakkam) at km. 11/30-32 in between Villivakkam - Korattur Stations in MAS - AJJ Section.	Oct. - 20
11	PDY	TPJ	VM-PDY	39	TPJ Divin. - Proposed ROB in lieu of LC No. 39 (PDY) at km. 31/7-8 in between Chinnababusamudram and Pondicherry in VM - PDY Section.	Oct. - 20
12	TN	MDU	MDU-VPT	NA	Pro. Additional two lane ROB to Exg. ROB No. 1523A at km. 508/200-300 between Tiruparangundram and Tirumangalam stations Deposit work for TNRIDC.	Oct. - 20
13	TN	SA	ED-PTJ	9	SA Division - Proposed ROB in lieu of LC No. 9 (Avarampalayam) at km. 10/19-21 between Pilamedu - Coimbatore North Stations in ED - CBE - PTJ section.	Dec. - 20
14	TN	SA	ED-PTJ	13	SA Division - Proposed RUB in lieu of LC No. 13 (Kannappa Nagar) at km. 13/25-27 between Pilamedu - Coimbatore North Stations in ED - CBE - PTJ section.	Jan. - 21

15. Bridge Workshops (EWS/AJJ) 2020-21

(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

16. Permanent Way Renewals and welding of Rail Joints :

16.1. Permanent Way Renewals.—The physical progress of Permanent Way Renewals during 2020-21

(a) Through Renewals :

(Fig. in Track Kilometres)

Gauge		Primary		Secondary	
		Through Rail Renewal	Through Sleeper Renewal	Through Rail Renewal	Through Sleeper Renewal
Broad	..	346.64	165.82	77.06	6.87
Metre	..	0.00	0.00	0.00	0.00
Total	..	346.64	165.82	77.06	6.87

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

Type of point	BG	MG	Total	TTR Weihtage
1 in 16	0	-	0	0
1 in 12	91	-	91	91
1 in 8.5	26	-	26	26
Special layouts	0	-	0	0
Traps	13	-	13	3.25
Switch + xing	231	-	231	115.5
Switch	97	-	97	24.25
Crossing	151	-	151	37.75
Total:	609	-	609	297.75

(c) Provision of Channel Sleepers :

Gauge	No. of Sleepers		
Broad + Metre..	..	..	105

(d) Ballast put into the track during 2020-21 (in Thousands of cu.mts.)

Total Ballast collection during the year : 533.30 Total Ballast inserted during the year : 639.43

16.2—Track Materials used during the year 2020-21**The permanent way materials used during the year 2020-21 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	343.92	2.72	0.00	0.00	0.00	0.00	346.64
Metre	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:	343.92	2.72	0.00	0.00	0.00	0.00	346.64

(b) Sleepers (in track kilometres)

Gauge	Concrete	Steel	CST-9	Wooden	others	Total
Broad	165.82	0.00	0.00	0.00	0.00	165.82
Metre	0.00	0.00	0.00	0.00	0.00	0.00
Total	165.82	0.00	0.00	0.00	0.00	165.82

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

Gauge	Concrete	Wonder Blocks in Nos.	Converted steel through sleepers Nos.	Total
Broad	240	0.00	105	345
Metre	0.00	0.00	0.00	0
Total	240	0.00	105	345

16.3—Materials in the track 2020-21—(Running Track) :**(a) Rails**

(in Track Kilometres)

Gauge	60 Kg.	52 kg.	90 lbs.	75 lbs	60 lbs.	50 lbs.	others	Total
Broad ..	3384	3994	0	0	0	0	0	7378
Metre ..	0	0	8	37	1	0	0	46
Total ..	3384	3994	8	37	1	0	0	7424

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

(b) Sleepers

(in Track Kilometres)

Gauge	Concrete	Steel	CST-9	Wooden	Others	Total
Broad	7378	0	0	0	0	7378
Metre	9	19	17	1	0	46
Total	7387	19	17	1	0	7424

(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 ..	1	103	4073	0	1382	0	0	0	5559	0
Steel ..	0	0	0	0	0	2	0	1	0	3
Wooden ..	0	0	0	3	0	18	9	1	9	22
Total ..	1	103	4073	3	1382	20	9	2	5568	25

16.4.-Welding of Rail Joints :

(a) Total No. of joints welded during the year 2020-21.

(Figures in Nos.)

Gauge	Total No. of Joints welded
Broad + Metre	46,895

(b) Total length of welded track as on 31st March 2021

(Figures in Track Kms.)

Gauge	Short Welded Panels	Long Welded Rails/Continuous Welded Rails	Total
Broad..	638	6674	7312
Metre ..	0	0	0
Total ..	638	6674	7312

(c) Flash Butt Welding Plant :

The work done at the Flash Butt Welding Plant in the Railway 2020-21.

Plant at	Number of joints Welded
Arakkonam	Total number of joints welded at FBW plant= 12864 Joints. Through Contract Mobile The Welding Machine Plant -01 agency M/s. Khemchand, Varanasi, carrying out the welding works by mobile Flash Butt Welding plant No. I (Make Baltresurs: K355AM, Welding Head No. # 026) at Arakkonam from Oct.2017 onwards. Through Contract Mobile Welding Machine Plant-02 The agency M/s. Khemchand, Varanasi carrying out the welding works by mobile Flash Butt Welding plant No. II (Make Baltresurs: K355AM, Welding Head No.#024) at Arakkonam from April 2019 onwards.

16.5-Speed Restriction :

(a) Speed Restrictions in force on 31st March 2021 due to poor condition of track :-

(in Kilometres)

As on	Broad Gauge	Metre Gauge	Total
31-3-2021	-Nil-	-Nil-	-Nil-

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

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

(in kilometres)

As on	Broad Gauge	Metre Gauge	Total
31-3-2021	317.70	21.37	339.07

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

(in kilometres)

As on	Broad Gauge	Metre Gauge	Total
31-3-2021	358.73	0.00	358.73

17. Track Renewals

Renewals of the following track kilometres were carried during 2020-21:-

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

Division	Broad Gauge	Metre Gauge
Chennai ..	65.19	0.00
Salem ..	92.46	0.00
Palakkad ..	103.95	0.00
Thiruvananthapuram ..	82.12	0.00
Tiruchchirappalli ..	12.13	0.00
Madurai ..	67.85	0.00
Total ..	423.70	0.00

(ii) Through sleeper renewals (Primary & Secondary)

Division	Broad Gauge	Metre Gauge
Chennai ..	33.61	0.00
Salem ..	40.72	0.00
Palakkad ..	54.44	0.00
Thiruvananthapuram ..	6.59	0.00
Tiruchchirappalli ..	5.83	0.00
Madurai ..	31.50	0.00
Total ..	172.69	0.00

18. Natural Causes, Floods, Cyclones, Fire & Civil Disturbance etc. (Damages) 2020-21

Sl. No.	Division	Station-Section particulars	Approximate cost of damages (Rs. in Lakhs)
1.	MAS	Between PYA-NYP on upline at Km.119/17-21.	5.00
2	SA	-	
3	PGT	Major land slip occurred at Km.0/700-900 at Padil bye pass on 20.09.2020.	102.00
4	TVC	i) Earth slip - TVC -NCJ section at km.272/100-300, 250/700-800	30.00
		ii) SRR-ERS section-Km.11/000-11/300, Km.19/100-200.	40.00
		iii) Breaches of track at Km.14/900, 15/100 in TCR-GUV section at Km. 50/500-600 in SRR-ERS section Bridge approaches of Br.No.132 between KUC-CKI	40.00
		iv) Submerged track SRR-ERS section Km.10/12-11/6 Km.62/500- 64/400 CKI yard Km.81/800-82/600.	50.00
5	TPJ	PKT & TVR - ADEN/TVR, T.J, MQ, NGT & KIK - ADEN/TJ, M PF Shelter roof.	348.13
6	MDU	-	
7	CE/CN/ERS	-	
8	CE/CN/MS	-	
9	MTP	-	

19. Staff Amenities 2020-21

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) PER - Improvements to Water Supply arrangements - Construction of HLT of 2.20 lakhs litres capacity with pipe line arrangements.	118.00
		(ii) RPM - Supply of drinking water by tanks mounted on lorry for Rly. Colonies and Stations in SSE/W/RPM for a period of one year.	77.02
2	SA	(i) ADEN/ATU Sub-Division - Improvements of Staff Qrs and service buildings in connection with GM inspeciton - NMKL	13.47
		(ii) Construcion of OHT 2.25 lakhs litres capacity over head tank and 3 lakhs liters capacity GLR with Borewell Connections at SA.	134.75
		(iii) Zonal work through work order (3 works)	14.80
3	PGT	(i) BDJ – Rain water conservation by collecting surface run of water existing pond.	20.27
		(ii) PGT-Proposed construction SSE/STM/Depot at PGT	55.82
		(iii) PGT-Construction of additional one room with 15 beds in the mobilization hall.	44.49
		(iv) PGT-Construction of Track machine equipment cum rest room at KLGD & AAM	78.42
		(v) MAQ: Provision of water recycling plant.Designing, supplying, erecting and commisssioning of water plant. Agt.No.J/111 of 02.5.2019	68.17
		(ii) TVC - Provision of borewell and pipe line for non-domestic purposes	66.99
		(iii) QLN Sub-division periodical cleaning of open well, cleaning of OHT, GLR, sewer lines and septic tank etc.	52.50
5	TPJ	NIL	
6	MDU	(i) SSE/W/SCT, Ladies staff Rest room at PUU & TSI section	14.00
		(ii) SSE/W/KKDI, Rameswaram:- Construction of RCC over head tank of 90000 liters Capacity (2 Nos) pumpking arrangement from radial wells around main well at ROD and providing 3 new wells near Chemmaimadam.	86.62
		(iii) SSE/W/KKDI Karaikudi Station - Construction of one GLR with pipe line arrangements.	12.41
		(iv) SSE/W/KKDI, Rameswaram - Joint developement 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 Tak 90000 litre capacity)	148.56
7	CE/CN/ERS	NIL	
8	CE/CW/MS	NIL	
9	MTP	-	

19. Staff Amenities 2020-21

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	(i) SPE - Supply of drinking water by tanks mounted on lorry for Rly. Colonies and stations in SSE/W/SPE for a period of one year.	2.00
		(ii) NWL - Maintenance of all buildings and station in ABU, ANNR, AVD, TRL.	1.75
		(iii) TVT - Repairs to water line TVT section.	4.99
		(iv) TVT - Repairs to water supply pipe line in SSE/W/TVT.	4.99
		(v) TVT - Repairs to GLR in SSE/W/TVT section.	4.30
		(vi) TVT - Repairs to water line in TNPM & Diesel Shed.	4.96
		(vii) TVT - Repairs to storm water drain in KOK.	4.90
2	SA	(i) Provision of Staff Rest Room for Track Maintainer	3.40
		(ii) ATU - Repairing of damaged flooring	4.94
		(iii) ATU - Conversion of Type-I to Type-II Quarters	4.71
		(iv) ATU - Conversion of Type-I to Type-II Quarters	4.63
		(v) Repairs to roof sheet in Varandah and Sitout in Type I & II Qrs at Mohanur & Namakkal.	4.88
		(vi) Repairs to compound wall at Mohanur.	4.31
		(vii) Providing Vent Pipe and replacement of Damaged CI main pipe line in Cauvery Pump House.	3.94
3	PGT	(i) Repairs of water supply arrangements at AAM	3.29
		(ii) Repairs to water supply arrangements at SRR	3.57
4	TVC	NIL	
5	TPJ	NIL	
6	MDU	(i) SSE/W/MDU, Provision of bore well at APK station.	4.00
		(ii) SSE/W/SCT, TML station: Repairs to corroded GI pipelines.	4.00
		(iii) SSE/W/SCT, KKZ station: Repairs to corroded GI pipelines.	3.00
		(iv) SSE/W/VPT SGLM - Drilling of Borewell.	2.23
		(v) SSE/W/VPT SVKS - Drilling of Borewell.	2.23
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	-	

19. Staff Amenities 2020-21

Sl. No.	Division	Name of work	Estimate Cost in lakhs
I. Improvements to Water supply.			
B. Works in Progress			
(a) Works costing more than Rs.5 lakhs each.			
1	MAS	(i) PER - Repairs and Maintenance of Auto Chlorination Plant at station in ADEN/Metro Sub-division for a period of 2 years.	20.61
		(ii) PER - Chennai - Cleaning of GLRs, OHTs in ADEN/Metro Sub-division for a period of two years.	15.93
		(iii) MS - Supply of drinking water by tanks mounted on lorry for Rly. Colonies and stations in SSE/W/MS for a period of one year	761.00
		(iv) CGL - New Water pipe line work at CGL.	108.00
		(v) RPM - Supply of drinking water by tanks mounted on lorry for Rly.Colonies and Stations in SSE/W/RPM for a period of one year.	59.06
		(vi) JTJ - Supply of drinking water by tanks mounted on lorry for Rly. Colonies and stations in ADEN/JTJ sub division.	33.08
2	SA	(i) Improvements of Staff Quarters.	55.00
		(ii) Improvements of Staff Quarters at ADEN/ATU sub division.	79.05
3	PGT	(i) CAN & CLT Asst Divisional Engineer, Kannur- Supply of portable water for summer season by contractor's own source to Railway station & Colony.	46.71
		(ii) CLT & MHE MHE – Repairs to collapsed pitching and damaged protection wall of exig pond. (2) CLT – Prov of new pond near Running Room.	14.31
		(iii) PGT Div. (ADEN/CAN Jurisdiction) Provision for elimination of deficiencies in short fall in water taps at various stations over PGT Division.	36.75
		(iv) PGT Div. (ADEN/CAN Jurisdiction) PGT Division - Improvements to water supply arrangements at CAN & MAQ.	157.45
		(v) MAQ: Provision of water recycling plant. Const. of OHT (Agt.No.J/139 of 30.4.2018)	87.24
4	TVC	(i) Kochuveli (KCVL)- Augmentation of water supply arrangements	245.30
		(ii) Setting up of quick watering arrangement at TVC station	463.76
		(iii) Setting up of quick watering arrangement at QLN station	540.57
		(iv) Setting up of quick watering arrangement at NCJ station	434.75
		(v) Extension of carriage watering pipe lines in platforms	30.64
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) Ponmalai - Provision of borewells construction of GLR and over head tank for Railway Hospital/GOC and DSL Shed/GOC.	194.59
6	MDU	NIL	
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	-	

19. Staff Amenities 2020-21

Sl. No.	Division	Name of work	Estimate Cost in lakhs
I. Improvements to Water supply.			
B. Works in Progress.			
(b) Works costing less than Rs.5 lakh each.			
1	MAS	MS - Trucking out of water from Metro Water filling points	4.00
2	SA	(i) Provision of individual Water Tank with pipe line in Type I Staff Quarters No.127 (A-F) to 131 (A-F)	4.75
		(ii) Providing and fixing of Water Meter for water audit at SSE/works/ED section.	1.35
		(iii) Brightening of Staff Qrs (SXT, ETP, ATU and CHSM)	4.38
		(iv) Repairs to Gate and Compound Wall between Qrs.	4.66
		Improvements to water supply.	
		(i) GLR pipe line work.	4.05
		(ii) 113/ONR Qtrs Pipe line work	2.15
		(iii) Udhagamandalam Steel Tank and Pipe Line work.	2.03
II	Other Work		
		(i) Clearing bushes and uprooting plants around Raiwlay colony at ONR.	5.00
		(ii) Merging of Qtrs 90 B&C.	2.50
		(iii) Merging of Qtrs 91A & B, C&D.	4.45
Works in Progress			
Works Costing More than 5 Lakhs.			
		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) CLT-Repairs to water supply arrangements	4.90
		(ii) Repairs to water meter at FK, KUL, CLT, WH, ETR & VLL	1.84
		(iii) KUL - Repairs to the water supply pipe line of station building, platforms, gang rest room Goods unloading workers toilet and floor of duty SM toilet etc.	2.67
		(iv) CLT - Repairs to pipeline from Qtrs 178 to Running Room	2.34
		(v) CS-Repairs to water pipeline at station and colony	0.77
		(vi) CS - Repairs to the compound wall and covering of new well with pumping line.	3.26
		(vii) CAN - Repairs to Rain water harvesting in new Qtrs block A & B (208, 209)	2.52
		(viii) Repairs to borewell at PYOL	1.16
4	TVC	NIL	
5	TPJ	NIL	
6	MDU	NIL	
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	

19. Staff Amenities 2020-21

Sl. No.	Division	Name of work	Estimate Cost in lakhs
II. Improvements to Sanitation.			
A. Works in Completed			
a) Works costing more than Rs.5 lakhs each.			
1	MAS	JTJ - AJJ-JTJ section - Cleaning and maintenance of existing sewer lines in ADEN/JTJ sub-division for two year.	27.14
2	SA	PTJ - Cleaning and maintenance of existing sewer line at SSE/W/PTJ section for a period of two years.	40.15
3	PGT	(i) (1) SSE/W/CLT Section - Cleaning of underground sewage system in Railway colonies and stations and maintenance for a period of two years.(2) SSE/W/CAN Section-Cleaning of underground sewage system, drainage & deweeding bushes, vegetation & trees in Railway colonies & station premises and maintenance for a period of two years.	55.92
		(ii) MAQ section: Cleaning of underground sewage system in railway colonies and station buildings and therefore for maintenance for Two year. (Agt.No.J/5 of 05.01.2018)	24.74
		(iii) MAQ: Provision of Bio-Toilet cleaning platform.(Agt.No.J/231 of 21.8.2018)	17.46
		(iv) MAQ: Repairs to underground sewage system of MAQ station building. (Agt.No.J/125 of 22.5.2019.)	19.52
4	TVC	(i) TVC Subdivision - Desilting of septic tank, IC, manhole and sewage line cleaning, removal of vegetation at station and colony.	19.84
		(ii) TVC - Repairs to drain in front of ORH	17.53
5	TPJ	NIL	
6	MDU	SSE/W/TEN- (i) MDU Division - 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	NIL	
8	CE/CN/MS	—	
9	MTP	—	
b) Works costing less than Rs.5 lakh each.			
1	MAS	KPD - Repairs to drainage facility at WJR South Colony	4.50
		TVT - Attention to toilet in yard.	3.41
2	SA	(i) Improvements to Sewer line and Construcion of Septic Tank in GRP Station at TUP.	3.11
		(ii) Improvements to Plumbing line, Sanitary Fittings in Toilet Blocks in Ground Floor of Running Room at ED.	4.50
		(iii) Providing and fixing IWC in Railway Qtrs and station buildings at Erode Section.	2.00
3	PGT	(i) TIR- Repairs to ladies & gents toilet	4.70
		(ii) TIR- Repairs to RPF rest room	4.97
		(iii) Repairs to pay & use toilet at TIR	4.74
		(iv) SRR – Repairs to toilet at Rly station	0.44
4	TVC	NIL	
5	TPJ	NIL	
6	MDU	SSE/W/VPT - (i) VPT - Repairs to Sewage Pump Room and Collection well.	3.22
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	

19. Staff Amenities 2020-21

Sl. No.	Division	Name of work	Estimate Cost in lakhs
II. Improvements to Sanitation.			
B. Works in Progress.			
a) Works costing More than Rs.5 lakh each.			
1	MAS	(i) TBM - Improvements to drainage system at CGL & TBM colonies.	130.00
		(ii) PER - Cleaning and maintenance of existing Sewer lines at PER, PTC, PWQ & RH/PER for a period of 2 years.	100.00
		(iii) MS - Cleaning and maintenance of Sewer Lines in SSE/W/MS at SSE/W/TVT section for a period of 2 years.	72.00
		(iv) Improvement to underground drainage system at Chennai Egmore	226.00
		(v) CGL - PEI - PF raising work.	30.00
2	SA	NIL	
3	PGT	(i) DEN/W Portion - SSE/ works/Calicut - Cleaning of underground sewage system, drainage & dweeding bushes, vegetation & small trees in Railway colonies and station premises and maintenance for a period of two years.	13.52
		(ii) CLT— Provision of elimination of deficiencies in short fall in toilets at various stations over divisions - Constructions of Pay and Use toilet at Calicut Platform No. 4.	13.99
		(iii) PGT Division – Provision of Amenities at stations for persons with disabilities – to comply the provision of short term facilities at 50% of stations as per directives of Railway Board – Construction of toilets for disabled persons.	59.38
		(iv) PGT Divn. - Provision of amenities at stations for persons with disabilities - Construction of toilets for disabled persons.	89.28
		(v) PGT Division - Provision of toilets at BDJ (4 Nos.) and one each at QLD, KPQ, TA and Vadakanniapuram to eliminate shortfall as per MEA and separate ladies toilet at 12 stations.	49.02
		(vi) SSE/W/MAQ Section - Cleaning of underground sewage system in Railway Colonies & station buildings thereafter for maintenance for a period of two years. (LOA No. 7264 of 24.06.20)	25.12
4	TVC	NIL	
5	TPJ	Villupuram (North & South) - Improvement to Quarters, colony roads, watering & drainage arrangements.	545.10
6	MDU	NIL	
7	CE/CN/ERS	NIL	
8	CE/CN/MS	—	
9	MTP	—	

19. Staff Amenities 2020-21

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 lakhs each.			
1	MAS	(i) SPE - Repairs to Staff Quarters.	4.00
		(ii) NYP - Repairs to Staff Quarters.	4.50
2	SA	Improvements to underground drainage line in ED Goods Shed.	2.30
3	PGT	(i) Repairs to drain in front of running room, Qrs. No.46, 47, 49, 51 and rear of Qrs. No. 141, 142, 143 & 144 @ CLT and side goods unloading PF approach road at KUL.	4.87
		(ii) Repairs to the toilet, drainage of SSE/PW/CLT Office - SSE/PW/CLT Section	1.70
		(iii) CAN - Repairs to Yard Drain in between Rd. 1 & Rd. 2	4.93
		(iv) ETK - Repairs to the good shed toilet room and water tank staging.	3.25
4	TVC	NIL	
5	TPJ	NIL	
6	MDU	NIL	
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	
III. Other Staff Amenity Works			
A) Works completed.			
a) Works costing more than Rs.5 lakhs each.			
1	MAS	(i) PER - Repairs and maintenance of Staff Quarters of water supply distribution system in PER & PTC for a period of one year	48.36
		(ii) KPD - Repairs to Staff Quarters.	145.00
		(iii) SPE - Repairs to Recreation Club.	20.00
2	SA	NIL	
3	PGT	(i) Kannur - Rebuilding of staff Qrs. Type II - 7 units and Type III - 6 units on age cum condition basis in lieu of type I Qrs. No. 41/A, 64/AB, 85/AB, 86/AB and Type III Qrs. No.58/AD & 62/AB.	205.93 (foreclosed)
		(ii) Kannur - Rebuilding of staff Qrs. Type II - 40 units in lieu of Type-I Qrs. - 16 Units (1 Block of 12 units and 1 Block of 4 units)	205.93 (foreclosed)
		(iii) Construction of S & T buildings between TKT and MHE stations in connection with IBS	71.60
		(iv) PAY: Proposed construction of SSE/PWI/PAY (Agt.No.J/191 of 12.7.2018)	52.74
		(v) MAQ: Brightening up of staff Qrs. , station buildings service building, platform shelters & Jungle clearance in Asst.Divin.Eng./MAQ.(Agt.No.J/19 of 18.01.2019)	65.00
		(vi) MAQ: Repairs to internal road of Railway colony. (Agt.No.J/63 of 07.3.2019)	44.89
4	TVC	(i) TVC - Repairs to quarters in PJA colony	85.52
		(ii) ALLP - Construction of staff quarters type IV 2 units	81.31
		(iii) QLN - Leak proofing of Staff quarters	47.77
		(iv) TCR - Development of TCR colony as model colony	63.24
5	TPJ	(i) Cuddalore Port Jn. - Construction of one block of 8 units of Type-II Qrs. (Stilt + 2 Floors)	102.25
		(ii) PDY - Construction of one block of 8 units of Type II qrs.(stilt + 2 floors).	109.42
6	MDU	(i) SSE/W/MDU - (i) MDU Jn. - Proposed conversion of Railway Hospital in to COVID-19 treatment ward.	29.50
		(ii) SSE/W/SCT - (ii) Repairs to Staff Quarters in PUU & TSI station.	15.00
		(iii) SSE/W/VPT - (iii) Madurai Division-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	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	

19. Staff Amenities 2020-21

Sl. No.	Division	Name of work	Estimate Cost in lakhs
III. Other Staff Amenity Works			
A. Works completed			
(b) Works costing less than Rs.5 lakh each.			
1	MAS	(i) TVT - Repairs to running room etc.	4.52
		(ii) TVT - Repairs to Staff Quarters in SSE/W/TVT section.	2.48
		(iii) TVT - Repairs to Gang Room.	3.91
2	SA	NIL	
3	PGT	(i) SRR - Repairs to roof of staff quarters.No SRR/302	4.99
		(ii) SRR - Repairs to roof of staff quarters.No SRR/326	4.99
		(iii) KN - Repairs to roof of station building	4.90
		(iv) AAM - Repairs to roof of staff quarters AAM/17A-B	4.93
		(v) SRR - Repairs to roof SRR/301,302,325	4.98
		(vi) TIR - Repairs to roof of quarters at TIR	4.83
		(vii) TIR - Repairs to gang staff rest room	4.71
		(viii) TIR - Repairs to NPM shelter	2.13
		(ix) TIR - Repairs to NPM shelter	2.14
		(x) KN - Repairs to traffic rest room	2.61
		(xi) MHE - Repairs to FOB roof and floor of Qrs.No.6.	2.45
		(xii) MHE - Repairs to the windows and doors of Qrs. No.3A, 3B, 23A, 23B, 23C, 24A & 24B.	3.73
		(xiii) Repairs to the floor and doors of quarters ion MHE (Qrs. No.5, & RPF Barrack) JGE (Qrs.No.4AB & 6) and TLY (Qrs. No.45AC & 46AB)	4.66
		(xiv) CS - Repairs to TRD/MHE Office Roof.	2.48
		(xv) Repairs to the compound wall and gate of SSE/PW/QLD office and store	3.59
		(xvi) KUL - Repairs to the leaky roof of the waiting hall, Booking Office and Duty SM room etc.	4.53
4	TVC	NIL	
5	TPJ	NIL	
6	MDU	SSE/W/MDU (i) Construction of Gang Rest Room at Sholavandan and Kudalnagar stations.	5.00
		(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 approach road and brightening of TRD substation.	2.45
		(viii) VPT - Repairs to flooring, patch brightening east side of 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 - Brightening up of Staff Quarters No.VPT/76-AB, 77-AB, 78-AB, 79-AB, 80-AB, 84-AB & 85-AB (14 Units Type-II) in New Colony.	4.91
		(xii) VPT - Brightening up of Staff Quarters No.VPT/81-AB, CD, 82-AB, CD, 83-AB, CD, 86-A, B, 90-AB, CD, 91- A, B, CD, 92-AB & 213-AB, C (16 Units, Type-II - 13 Units & Type-I - 3 Units) in New Colony.	4.91
		(xiii) SRT :- Brightening 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, 34 ,6AB, 6C.	4.56
		(xv) RJPM :-Clearing of bushes/rank vegetation in Colony & Good shed area.	0.75
		(xvi) RJPM :-Levelling up of ground and removal of debris incolony area.	0.55
		(xvii) VPT :- Repairs to Traffic staff rest room	2.00
		(xviii) VPT :- Repairs to roofing, flooring and toilet, bathroom in Gang rest room at Gang No.8 & 8A.	2.61
		(xix) Repairs to Leaky Roof and Toilet of Gate Lodge LC No. 381 at Km.514/700-800.	0.42
		(xx) Brightening of Gang rest rooms and pale fencing in SSE/P.Way/SVKS section	1.75
		(xxi) VPT-SNKL:- Brightening of LC Gate Lodges, Toilets & flooring.	4.61
		(xxii) VPT :- Provision of SS Sink at service buildings and covering MDTTI into Corona Isolation Ward	1.19
		(xxiii) VPT :- Repairs to Traffic staff rest room.	2.00
		(xxiv) Repairs to toilet in SM Room and Bookig office at TDN & TMQ station.	0.37
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	

19. Staff Amenities 2020-21

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) PER - Repairs to Staff Quarters in PER area.	93.75
		(ii) PER - Improvements to Staff Quarters at PTC, Ph-IV	122.00
		(iii) PER - Improvements to PTC as Model Colony, provision of training centre and replacement of AC sheet at various locations in scout office.	130.44
		(iv) PER - Repairs and brightening of Staff Quarters at PER & PTC colony.	77.38
		(v) PER - Repairs to Staff Quarters at PTC.	188.91
		(vi) PER - Removal of rank vegetation and cleaning of open terraces for a period of one year.	58.58
		(vii) MS-Repairs and brightening of Officers' Quarters and service building at Rostover Garden.	80.00
		(viii) Repairs to Mosquito Fly proof mesh door and window shutters in officers quarters.	29.00
		(ix) CGL - RITES Toilet.	190.00
		(x) RPM - ADEN/WST - sub division - Repairs and maintenance of staiton, staff quarters, service buidng including BBQ Coaching Yard.	121.62
		(xi) JTJ - Supply of drinking water by tanks mounted on lorry for Railway Colonies and stations in ADEN/JTJ sub division.	33.08
		(xii) Maintenance of Officers Rest House at JTJ and Yelagiri for a period of two years.	6.02
		(xiii) JTJ - AJJ-JTJ section - Cleaning and maintenance of existing sewer lines in ADEN/JTJ Sub division for two years.	27.14
2	SA	NIL	
		(ii) CLT - General maintenance and up keeping of officers rest houses 2 Nos. and Subordinate Rest House at Calicut for a period of 24 months	10.93
		(iii) MAQ - Improvements to Railway institute. (Agt.No. J/328 of 28.11.19)	50.00
		(iv) MAQ - Augmentation of substation cap. With associated electrical equipment & reconstruction of 50 years old tiled roof substation building. (LOA No. 7196 of 04.05.2020)	73.70
		(v) MAQ - Proposed repairs office arrangements in old PRS bldg for ASC/RPF/MAQ and ADEE/O/O/MAQ in connection with upcoming GM's inspection. (LOA No. 7311 of 29.01.21)	14.79
		(vi) MAQ, MAJN, JOKT & PADIL - Construction of staff Qtrs Type II, 4units - 2 in ground floor and 2 in First Floor at MAJN, JE/P.way office at Jokkatte, SRH at MAQ and Gang Rest Rooms at MAJN, Padil and Maravur. (LOA No. 33223 of 12.03.21)	132.55
4	TVC	(i) ALLP:Construction of staff qrs Type III-4 Nos	60.00
		(ii) Ernakulam jn~~ERM:Construction of staff qrs Type II-6 Nos for running staff	115.72
		(iii) ERG:-Reconstruction of staff qrs Type II- 10 Units in lieu of qrs no.8,11A-B14, 15A-B, 36A-B, 37A-B(Type I)	222.74
		(iv) Kuruppantara (KRPP) -Reconstruction of Type II staff quarters- 5 Nos.	99.46
		(v) Kollam-Reconstruction of staff qrs Type II-12 Units in lieu of qrs no.21D-H & 185 A-H(Type I)	209.23
		(vi) Alappuzha~~ALLP- Provision of ladies rest room for ALLP depot	14.97
		(vii) Walk in cooler for RH/TVP	6.15
		(viii) Corporate Welfare Plan-TVC Poojappura colony southern side- Improvements to drainage arrangements	7.64
		(ix) Thrisur~~Kanniyakumari~~TVC Division -Modernisation of ORH at ERS,TVC&TCR and Improvements to Holiday Home at CAPE.	69.21
		(x) TVC Division - Separate toilet for ladies RPF staff at the RPF post/OPs.	20.78
5	TPJ	(i) GOC - Improvements to Staff Qrs. In Diesel Shed - 76 Units under Corporate Welfare Plan.	312.00
		(ii) Proposed construction of Rest House at Kumbakonam and Vellore Stations 2 suites.	137.64
		(iii) TPJ Division - Improvement cum Renovation to Staff Quarters for the damages caused by the cyclonic storm GAJA in ADEN/TJ and ADEN/TVR subdivisions.	158.57
6	MDU	(i) MDU division- Replacement of damaged hordis block with RCC sloped roof for type II Qrs 104 units.	423.23
		(ii) MDU Division - Reconstruction of Staff Quarters type II 4 units and Type III 2 units of MNBM station.	55.25
		(iii) MDU Dn. - Corporate Welfare Plan. Tirupachetti station-Reconstruction of Staff Qrs. Type II 2units in lieu of condemned Qrs.	18.19
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	

19. Staff Amenities 2020-21

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 lakhs each.			
1	MAS	NIL	
2	SA	Brightening and repairs to Kitchen Flooring in Officers Qtrs No.550 A, C & D.	1.70
3	PGT	(i) PGT Division – ETR – Modification to the Duty Station Superintendent Room	4.35
		(ii) CLT - Repairs to trellis ad wall Qrs. No.170AH, 171AH, 179AE.	4.72
		(iii) CLT - Repairs to the fencing to protect rly. Colony in front of staff quarters No.56, running room to SSE/PW/O, SSE/PW Qrs No.41/CLT to pump house, pump house to Qrs. No. 141, Sr.DMO Qrs. 42/CLT to water tank and Rly.Institute to temple.	4.15
		(iv) CLT - Repairs to the leaky roof of staff quarters No.CLT/178AD (type II) & 180A-F (Type I)	4.54
		(v) CLT - Repairs to the damaged Road in front of staff Qrs. No. 178, 180, 171, 170 & 179	4.55
		(vi) CLT - Repairs to the floor and trellis of Qrs. No.41 (SSE/PW/CLT) and 42 (Sr.DMO/CLT) (Type-V)	2.66
		(vii) KUL - Repairs to the Gang rest room, staff parking area, roof of pump house and OHT.	2.93
		(viii) CLT-Repairs to the compound wall of SSE/PW/ Quarters No.41 and fencing, front area of Qtrs No.170,171,178, 179 & 180	4.99
		(ix) CLT - Repairs to the staff Qrs. 174A, repairs to the wooden trellis of Qrs. No.51AB, 52AB, 54AB and 136BC and fencing in front of quarters	3.71
		(x) Repairs to the floor and leaky roof of LC gate lodges at LC No.216 A at km. 718/600-700 and LC No. 218 at Km.722/300-400.	2.95
		(xi) Repairs to the floor and leaky roof of LC gate lodges at LC No.223 at km. 725/000- 100 and LC No. 224 at Km.728/300-400.	2.88
		(xii) Repairs to the floor and leaky roof of LC gate lodges at LC No.226 at km.730/700-800 and LC No. 228 at Km.731/700-800.	2.50
		(xiii) TLY - Repairs to boundary wall for Qrs. No.45A-C & 46 A-B.	3.52
		(xiv) Repairs to the roof and floor of gate lodges at LC No. 209 at km. 698/100-200 and LC No.210 at Km.698/900-699/000 bet. QLD-BDJ stations	3.30
		(xv) CAN - Minor repairs in Kannur offices and colony (123AB, 149, 156, 12A, 10, VAPM - 22AB, 12, TRD Office, SMR Office, SSE/Elec/ Office, ADEN Office	2.80
		(xvi) CAN - Repairs to Qtrs No. 158 A-B.	1.49
		(xvii) CAN - Repairs to Floor and Wall of Qtrs 212 A-C (Type - III)	4.99
		(xviii) ETK - Repairs to floor & wall of Qrs. No.07, 08, 5 ABC	1.90
		(xix) ETK - Repairs to the floor & Roof of Qrs.No. 50BC, 19AB	2.14
		(xx) CAN - Repairs to Floor & Roof of Qrs. No. 1A, 1B, 159AB, 161AD, 163	2.68
		(xxi) CAN - Repairs to the roof covering and & RWH to Qtrs. 211 A-L (Type II) and 207 (ADEE Qtrs Type-IV)	4.97
		(xxii) CAN - Repairs to the roof covering and RWH of Qtrs. No. 210 Block (A-L) (Type II)	4.96
		(xxiii) ETR - Repairs to the leaky roof of duty SM room, Relay room, Office room Battery room and Technician - signal room.	4.75
4	TVC	NIL	
5	TPJ	NIL	
6	MDU	(i) Construction of Gang rest room at Sholavandan and Kudalnagar.	5.00
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	

19. Staff Amenities 2020-21

Sl. No.	Division	Name of work	Estimate Cost in lakhs
IV. Hospital and Health Units			
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	—	
b) Works costing less than Rs.5 lakh each.			
1	MAS	NIL	
2	SA	Providing reception cabin in Railway Hospital at Erode.	3.55
3	PGT	SRR - Repairs to toilet of SDH	2.29
4	TVC	NIL	
5	TPJ	NIL	
6	MDU	NIL	
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	
B. Works in Progress.			
(a) Works costing more than Rs.5 lakhs each.			
1	MAS	PER - Additional accommodation for Trainee Doctors, Nurses, Patient relatives, Garages for Doctors and modification to existing offices of SSE/AC/RH/PER to accommodate autoclave.	384.78
2	SA	Reconstruction of Health Unit at PTJ.	91.51
3	PGT	NIL	
4	TVC	NIL	
5	TPJ	Proposed renovation of OT Post operative ward antenatal ward and Gynaecology ward at RH/GOC.	159.94
6	MDU	NIL	
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	
b) Works costing less than Rs.5 lakh each.			
1	MAS	NIL	
2	SA	Improvements to Digital X-Ray Room at Railway Hospital, Erode.	2.50
3	PGT	NIL	
4	TVC	NIL	
5	TPJ	NIL	
6	MDU	NIL	
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	

19. Staff Amenities 2020-21

Sl. No.	Division	Name of work	Estimate Cost in lakhs
V. Schools and Hostels			
A. Works Completed			
(a) Works costing more than Rs.5 lakhs each.			
1	MAS	NIL	
2	SA	(i) Construcion of New Biology Lab in Railway School at Erode.	25.00
		(ii) Podanur (S&T Trainng Centre) - Provision of Training Equipment.	109.69
3	PGT	NIL	
4	TVC	NIL	
5	TPJ	SOUTHERN RAILWAY:Upgradation / development of RPF Advanced Training Complex (Id:1537a/Board/10-11) CE/OL.	182.01
6	MDU	NIL	
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	
(b) Works costing less than Rs.5 lakh each.			
1	MAS	NIL	
2	SA	NIL	
3	PGT	NIL	
4	TVC	NIL	
5	TPJ	NIL	
6	MDU	Impovements to School toilets.	4.5
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	
B. Works in Progress.			
(a) Works costing more than Rs.5 lakhs each.			
1	MAS	NIL	
2	SA	(i) Construction of separate Ladies Hostel and Augmentation of Mess Facilities at STTC/PTJ.	118.86
		(ii) Improvements to Computer and Net Working Training facilities at STTC/PTJ - Telecom portion with class room modification (includng Electrical work).	106.13
		(iii) Renovation and improvements to the existing facilities at S&T Training Centre, Podanur.	98.62
3	PGT	NIL	
4	TVC	Development of Multi-Disciplinary Training Centre for TVC Division at QLN	400.01
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/RPFSF/TPJ.	244.98
		(iii) tiruchchirappalli - Proposed construcion of Auditorium at ZRTI/TPJ Training Centre.	83.75
		(iv) ZRTI/TPJ - Extensionof Dinning Hall and Kitchen in Hostel-II.	23.97
6	MDU	NIL	
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	
(b) Works costing less than Rs.5 lakh 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	—	

19. Staff Amenities 2020-21

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	KPD - Provision of Toilet Facility to Lady Crew Lobby and repairs to water supply facility.	8.00
2	SA	NIL	
3	PGT	NIL	
4	TVC	KTYM - Modification of existing parcel rest room to accommodate duty running room	66.74
5	TPJ	TPJ Divn. - Provision of air conditioning facilities to running rooms at TPJ and KIK stations.	41.00
6	MDU	SSE/W/SCT Repairs to flooring doors, windows, partition, sanitary fittings, approach road, drainage arrangements including brightening.	10.00
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	
b) Works costing less than Rs.5 lakh each.			
1	MAS	TVT Repairs to running room, etc	4.52
2	SA	(i) Improvements to Plumbing line, Sanitary fittings in Toilet Blocks in Ground Floor of Running Room at ED.	4.50
		(ii) Providing separate shed for LPG cylinder, improvements to reading room & dining hall	4.95
		(iii) Extension of Dining Room in the Running Room at Erode.	3.75
		(iv) Brightening of Running room at Erode.	4.98
3	PGT	(i) SRR - Providing cement benches in RR	0.45
		(ii) CAN - Repairs to running Room floor and compound wall	4.80
		(iii) CAN - Repairs to running room roof, ceiling, grill.	4.33
4	TVC	NIL	
5	TPJ	NIL	
6	MDU	NIL	
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	
B. Works in Progress.			
a) Works costing more than Rs.5 lakhs each.			
1	MAS	NIL	
2	SA	NIL	
3	PGT	NIL	
4	TVC	TVC :- Proposed construction of Running room 60 beds	563.23
5	TPJ	PDY - Proposed construction of a new running room with 18 beds capacity at Pondicherry Station.	104.49
6	MDU	NIL	
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	
b) Works costing less than Rs.5 lakh each.			
1	MAS	NIL	
2	SA	NIL	
3	PGT	CLT - Repairs to the Colony road from running room to Qrts 20AF	1.98
4	TVC	NIL	
5	TPJ	NIL	
6	MDU	NIL	
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	

19. Staff Amenities 2020-21

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	(i) PER - Repairs to Road Surface at PER area.	46.62
		(ii) PER - Construcion of Railway Institute building in First Floor for recreation facilities.	97.85
		(iii) RPM - Repairs and brightening of Staff Quarters and service building.	61.12
2	SA	NIL	
3	PGT	(i) AAM Section preparatory works in connection with GM inspection	83.78
		(ii) DEN/W/PGT Jurisdiction - Prop. Overhauling and maintenance of lifting barrier gate for a period of two years - 88 Nos.	53.01
		(iii) Proposed Collection and training out of 50mm machine crushed hard stone ballast at Quilandi Depot (Qty: 34300 cum)	552.74
		(iv) Br. 1116 Supply of installation of GSM based Automatic Flood water level monitoring system on Br. No.1116 (12x29.25m) at Km.761/00-400 and Bridge No.1274 (16x45.72) at Km.881/6-882/4 in Calicut-Mangalore section.	12.10
		(v) CLT-MAQ sec. - Prop. deep screening with BCM and ancillary work after BCM for a length of 46.347km.	49.56
		(vi) CAN& MAQ ADEN Under Water inspection (Level 2) of different major bridges in Palakkad Division for the year 2018-19	29.44
		(vii) KLGD GM preparatory works between PGT and POY including new item	112.00
		(viii) KLGD Proposed collection and training out of 50 mm crushed hard stone ballast at POY depot (37500 cum)	333.45
		(ix) KLGD Gauge conversion of POY-PGTN trolley refugee in cutting , provision of CC drain in cutting, borewell with hand pump at LC no. 4 earth work for making up cess, TRR on looplines, widening of rail joints at various locations and renewal of check rails for LCs	54.00
		(x) KLGD Proposed collection and training out of 50 mm crushed hard stone ballast at POY depot (52100 cum)	420.45
		(xi) KLGD Monthly basis cab & Taxi hiring services MUV, 2600, Outstation 24X7 GEMC-511687760128929 dtd.15.02.2021	17.23
		(xii) MAQ: General maintenance & up keeping of ORH & supervisor's Rest house at MAQ central for period of 24 months. (Agt.No.J/224 of 06.8.2018).(Work terminated)	15.44
4	TVC	NIL	
5	TPJ	NIL	
6	MDU	NIL	
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	
(b) Works costing less than Rs.5 lakh each.			
1	MAS	NIL	
2	SA	NIL	
3	PGT	(i) Hiring of JCB for cess & side drain repair SRR-AAM	1.95
		(ii) Hiring of JCB for cess & side drain repair VNB-NIL	1.96
		(iii) Repairs to old station building NIL	4.93
		(iv) Transporting P Way materials ERS To AAM	1.17
		(v) Supply of materials AAM	0.20
		(vi) NIL - Repairs to approach road and gate lodge	4.96
		(vii) Repairs to drainage and paving in SSE/P.way/office SRR	1.75
		(viii) Repairs to shelter for shunting staff TUA	1.04
		(ix) CAN - Repairs to approach road of main entry.	2.95
		(x) CAN - Minor repairs in Kannur & VAPM colony	3.34
		(xi) TLY - Repairs to the floor of SSE/Sig/Office, Relay Room, Battery room, IPS room and toilet for ESM room.	3.43
		(xii) TLY - Repairs to RCC FOB and additional parking area.	4.95
4	TVC	NIL	
5	TPJ	NIL	
6	MDU	NIL	
7	CE/CN/ERS	NIL	
8	CE/CN/MS	NIL	
9	MTP	—	

19. Staff Amenities 2020-21

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.			
1	MAS	NIL	
2	PGT	NIL	
3	TVC	—	
4	TPJ	NIL	
5	MDU	NIL	
6	CE/CN/ERS	NIL	
7	CE/CN/MS	NIL	
8	MTP	—	
4	TVC		
b) Works costing less than Rs.5 lakh each.			
1	MAS	NIL	
2	SA	NIL	
3	PGT	(i) CLT Section - Hiring of JCB machine for clearing vegetation drainage etc.	2.05
		(ii) Pway CLT, Hiring of JCB for section work in SSE/PW/CLT Section	4.1
		(iii) Repairs to roof, floor and windows to LC No.185	3.01
		(iv) CLT - Section repairs to minor bridge (No.941), ROB (No.984 A) & FOB (No.977) at CLT Section	3.01
		(v) CLT-Repairs to ORH, waiting room CLT PF No.1 CTTI room	3.68
		(vi) IOW CLT , CLT-Supply of cement, sand, bleaching powder, paints, sanitary fittings for urgent repair works in SSE/W/CLT section	2.59
		(vii) Pway CLT, Supply of materials of Stone aggregate (10mm) and M-sand in SSE/PW/CLT Section	1.33
		(viii) CLT - Repairs to the track machine staff rest room.	1.19
		(ix) Pway CLT, Repairs to the staff Rest Room and leakage roof of smithy shed store room etc. in SSE/PW/CLT Section	3.65
		(x) Repairs to the leakage roof of Gate lodges at LC No.189 (km.669/700-800) and LC No. 190 (Km.670/000-100) in SSE/PW/CLT Section	2.11
		(xi) TKT - Repairs to the ceiling, floor of station building, PF gutter, vehicle parking shed of staff and pipe line pump house to water tank.	4.93
		(xii) BDJ - Repair works in station building.	1.57
		(xiii) TLY-Repairs to the floor of Booking office, Parcel office, PRS and Booking windows in PRS.	2.83
		(xvi) QLD - Repairs to the Leaky Roof of Station Building and Floor, Toilet Door & Windows of S & T building.	3.75
		(xv) IOW CAN, Repairs to the RCC roof of Service buildings, FOB slab and painting of FOB under SSE/Works/CAN section	4.99
		(xvi) CAN-Repairs to the Garbage segregation shed, Hiring of JCB machine for colony cleaning	4.68
		(xvii) CAN - Supply of materials for revenue maintenance in SSE/W/CAN Section	2.23
4TVC	NIL		
5TPJ	NIL		
6MDU	NIL		
7CE/CN/ERS	NIL		
8CE/CN/MS	NIL		
9MTP	—		

20. LEVEL CROSSING 2020-21

1	No. of Level Crossings category wise [As on 31-03-2021]		
	Special Class	:	527
	'A' Class	:	216
	'B' Class	:	205
	'C' Class	:	878
	'C' Class Unmanned	:	Nil
	Canal Crossing	:	01
	Total	:	1827
2	No. of Level Crossings manned during 2020-21		
a	Safety Fund	:	0
b	At State Government's Cost [Reimbursable from 80% segment of RSWF]	:	0
c	Others [MPLADS]	:	0
	Total	:	0
3	No. of Level Crossings where additional men were provided without upgrading during 2020-21	:	0
4	No. of Level Crossings provided with Lifting Barriers during 2020-21	:	41
5	No. of Level Crossings provided with Lifting Barriers during 2020-21		
a	Interlocked Level Crossings	:	58
b	Non-interlocked Level Crossings	:	03
	Total	:	61
6	No. of Level Crossings where traffic census was taken in 2020-21 and action taken in such cases.	:	82
7	No. of Level crossings downgraded during 2020-21	:	6
8	No. of Level Crossings De-manned / Closed during 2020-21	:	51

21 (a) Statistics of Rail Usage 2020-21**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	7.31	52	60	2.42
Chennai Central - Gudur	Down	16-17	61.00	52	60	0.45
						2.87
ROUTE - B						
Chennai Central - Arakkonam	Up Slow	16-17	1.35	52	60	0.36
Chennai Cenral - Arakkonam	Up slow	16-17	9.4	52	60	1.48
Chennai Cenral - Arakkonam	BBQ Yard	16-17	7.27	52 II	52	1.75
Chennai Cenral - Arakkonam	Dn Slow	17-18	5.16	52	60	0.94
Chennai Cenral - Arakkonam	Dn Fast	19-20	2.00	60	60	2.00
Chennai Cenral - Arakkonam	MMC Yard	19-20		60	60	0.82
Chennai Cenral - Arakkonam	MAS Yard	19-20		60	60	0.15
Chennai Cenral - Arakkonam	Up slow	19-20		60	60	0.10
Chennai Cenral - Arakkonam	Up Fast	20-21	1.8	60	60	1.60
Chennai Cenral - Arakkonam	MAS Yard	20-21		52	52	0.72
Chennai Cenral - Arakkonam	Dn Fast	20-21		60	60	0.52
Arakkonam - Jolarpettai	Up	17-18	28.71	52	60	0.56
Arakkonam - Jolarpettai	Up	18-19	4.90	60	60	0.15
Arakkonam - Jolarpettai	Up	19-20	7.75	52/60	60	3.76
Arakkonam - Jolarpettai	Down	20-21	10.49	60	60	8.69
Arakkonam - Jolarpettai	Up	20-21	4.53	60	60	5.00
Arakkonam -Reniguta	Down	19-20	18.60	52	60	5.33
Arakkonam -Reniguta	Down	20-21	4.50	52	60	4.50
Arakkonam -Reniguta	Up	20-21	3.00	60	60	3.00
Katpadi - Pakala	SL	17-18	0.86	52	60	0.86
Chennai Egmore - Tambaram	A' line	17-18	24.80	52	60	1.05
Chennai Beach - Villupuram	MS Yard	20-21		52	60	0.18
Tambaram - Chengalpattu	Up	20-21		60	60	0.53
Jolarpettai - Erode	Dn	OT 17-18	8.56	52	60	3.41
Jolarpettai - Erode	Dn	18-19	1.30	52	60	1.30
Jolarpettai - Erode	Dn	19-20	4.76	52/60	60	4.76
Jolarpettai - Erode	Up	19-20	1.70	52/60	60	1.70
Jolarpettai - Erode	Dn	19-20	2.75	60	60	0.71
Jolarpettai - Erode	Up	20-21		52	60	0.29
Jolarpettai - Erode	Yard	20-21		52	60	0.05
Erode - Podanur	Dn	17-18	8.50	52	60	1.34
Erode - Podanur	Up	19-20	20.90	52	60	20.90
Erode - Podanur	Up	19-20	6.75	52	60	3.30
Erode - Podanur	Dn	20-21	1.20	52	60	1.50
Irugur-Coimbatore-Podanur	Dn	19-20	2.40	52	60	2.40

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						
Irugur-Coimbatore-Podanur	Dn	20-21	8.38	52	60	6.28
Podanur - Shoranur	SL	17-18	4.14	52	60	0.49
Podanur - Shoranur	B' line	17-18	10.67	52	60	0.99
Podanur - Shoranur	A' line	19-20	5.54	52	60	3.63
Podanur - Shoranur	B' line	19-20	1.20	52	60	1.17
Podanur - Shoranur	A' line	20-21		52	60	0.25
Podanur - Shoranur	B' line	20-21		52	60	0.04
Podanur - Shoranur	Dn	20-21	6.02	52	60	6.02
Podanur - Shoranur	SRR Yard	20-21		52	60	1.15
Shoranur 'A' cabin - Shoranur 'B' cabin-Eranakulam	Up/Dn	OT 17-18	2.80	52	60	1.23
Shoranur - Eranakulam	Dn	16-17	7.72	52	60	0.08
Shoranur - Eranakulam	Dn	16-17	6.03	52	60	0.30
Shoranur - Eranakulam	Dn	17-18	3.74	52	60	0.48
Shoranur - Eranakulam	Dn	18-19	10.45	52	60	1.29
Shoranur - Eranakulam	Up	19-20	15.92	52	60	13.29
Shoranur - Eranakulam	Dn	19-20	16.47	52	60	11.19
Shoranur - Eranakulam	Up	20-21	3.91	52	60	1.95
Shoranur - Eranakulam	Dn	20-21	3.36	52	60	0.39
Villupuram - Tiruchchirappalli (Chord)	Dn	20-21	2.29	52	60	2.29
Villupuram - Tiruchchirappalli (Chord)	Dn	20-21	2.29	52	52	0.26
Tiruchchirappalli - Dindigul	Dn	19-20	12.34	52	60	4.13
Tiruchchirappalli - Dindigul	Up	20-21	17.50	52	60	16.68
Tiruchchirappalli - Dindigul	Dn	20-21	1.80	52	60	1.80
					160.70	
ROUTE - C						
Chennai Beach - Velachery	Down	17-18	0.45	60	60	0.40
Chennai Beach - Velachery	Down	18-19	6.30	60	60	4.96
Chennai Beach - Velachery	Down	20-21		60	60	0.18
Chennai Beach - Tambaram	Dn Subn	19-20	4.07	60	60	2.50
Chennai Beach - Tambaram	Up Subn	19-20	4.93	60	60	2.01
Chennai Beach - Tambaram	Dn Subn	20-21	0.67	60	60	0.67
						10.72
ROUTE - D Special - Nil						
ROUTE - D						
Karur - Dindigul	SL	18-19	27.00	52	60	20.75
Karur - Dindigul	SL	19-20	3.13	52	60	1.33
Karur - Dindigul	SL	20-21	7.92	52	60	1.41
Shoranur - Kozhikkode	Dn	17-18	4.23	52	60	4.06
Shoranur - Kozhikkode	Dn	OT 17-18	1.35	52	60	0.25

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						- Nil -
Shoranur - Kozhikkode	Dn	19-20	1.20	52	60	1.20
Shoranur - Kozhikkode	Dn	20-21	20.33	52	60	2.95
Shoranur - Kannur- Mangaluru Central	Dn	16-17	3.05	52	60	0.02
Shoranur - Kannur- Mangaluru Central	Dn	OT 17-18	4.63	52	60	0.62
Shoranur - Kannur- Mangaluru Central	Up	17-18	5.35	52	60	0.62
Shoranur - Kannur- Mangaluru Central	Up	19-20	30.12	52	60	0.91
Shoranur - Kannur- Mangaluru Central	Dn	19-20	18.76	52	60	0.26
Shoranur - Kannur- Mangaluru Central	Dn	20-21	39.78	52	60	4.14
Kozhikkode - Kannur	Dn	16-17	7.77	52	60	0.70
Kozhikkode - Kannur	Up	OT 17-18	3.73	52	60	1.48
Kozhikkode - Kannur	Up	OT 17-18	24.76	52	60	5.42
Kozhikkode - Kannur	Dn	OT 17-18	9.77	52	60	5.72
Kozhikkode - Kannur	Dn	19-20	11.27	52	60	5.28
Kannur - Mangaluru Central	Dn	17-18	8.50	52	60	2.10
Kannur - Mangaluru Central	Up	OT 17-18	14.20	52	60	8.30
Kannur - Mangaluru Central	Dn	OT 17-18	20.70	52	60	4.09
Kannur - Mangaluru Central	Dn	OT 17-18	9.71	52	60	0.50
Kannur - Mangaluru Central	Up	19-20	8.09	52	60	6.06
Kannur - Mangaluru Central	Dn	19-20	16.85	52	60	9.28
Kannur - Mangaluru Central	Dn	20-21	7.30	52	60	4.71
Kannur - Mangaluru Central	Up	20-21	26.69	52	60	7.32
Kannur - Mangaluru Central	Dn	20-21	14.62	52	60	3.08
Kannur - Mangaluru Central	MAQ Yard	20-21		52	60	0.39
Mangaluru Central - Tokkur	Dn	16-17	8.00	52	60	0.59
Mangaluru Central - Tokkur	SL	OT 17-18	2.74	52	60	1.98
Mangaluru Central - Tokkur	MAJN Yard	20-21		52	60	0.50
Ernakulam - Kottayam-Kayankulam	Dn	13-14	9.12	52	60	0.53
Ernakulam - Kottayam-Kayankulam	Dn	15-16	0.50	52	60	0.03
Ernakulam - Kottayam-Kayankulam	Up	16-17	12.24	52	60	1.90
Ernakulam - Kottayam-Kayankulam	SL	17-18	16.96	52	60	0.69
Ernakulam - Kottayam-Kayankulam	Up	18-19	8.32	52	60	5.78
Ernakulam - Kottayam-Kayankulam	Up	19-20	0.88	52	60	0.77
Ernakulam - Kottayam-Kayankulam	Up	20-21	7.52	52	60	1.21
Ernakulam - Kottayam-Kayankulam	Dn	20-21	1.02	52	60	0.45
Ernakulam-Kottaya -Thiruvananthapuram Central	Dn	17-18	10.89	52	60	1.09
Ernakulam-Kottayam-Thiruvananthapuram Central	Up	18-19	7.74	52	60	1.07
Ernakulam-Kottaya-Thiruvananthapuram Central	Up	18-19	7.95	52	60	2.88
Ernakulam-Kottayam-Thiruvananthapuram Central	Dn	18-19	1.57	52	60	0.69
Kayankulam - Kollam - Thiruvananthapuram Central	Up	16-17	13.24	52	60	0.58

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
Kayankulam - Kollam - Thiruvananthapuram Central	Dn	18-19	14.44	52	60	3.64
Kayankulam - Kollam - Thiruvananthapuram Central	Dn	19-20	5.82	52	60	0.78
Kayankulam - Kollam - Thiruvananthapuram Central	Up	19-20	1.72	52	60	1.72
Kayankulam - Kollam - Thiruvananthapuram Central	Dn	20-21	7.11	52	60	4.07
Kollam - Thiruvananthapuram Central	Up	16-17	0.48	52	60	0.06
Kollam - Thiruvananthapuram Central	Up	16-17	7.88	52	60	1.25
Kollam - Thiruvananthapuram Central	Up	17-18	6.43	52	60	0.60
Kollam - Thiruvananthapuram Central	Dn	17-18	6.76	52	60	1.61
Kollam - Thiruvananthapuram Central	Up	18-19	2.00	52	60	1.26
Kollam - Thiruvananthapuram Central	Dn	18-19	7.58	52	60	1.50
Kollam - Thiruvananthapuram Central	Up	19-20	1.90	52	60	1.90
Kollam - Thiruvananthapuram Central	Dn	19-20	1.66	52	60	0.49
Kollam - Thiruvananthapuram Central	Up	20-21	1.08	52	60	0.62
Villupuram - Mayiladuthurai	SL	20-21	1.50	52	60	1.50
Virudhunagar - Vanchimaniyachchi	SL	18-19	7.45	52	60	1.67
Vanchimaniyachchi - Tirunelveli	SL	18-19	5.50	52	60	1.21
Virudhunagar - Vanchimaniyachchi	SL	19-20	6.01	52	60	6.01
Virudhunagar - Vanchimaniyachchi	SL	19-20	4.30	52	60	4.30
Virudhunagar - Vanchimaniyachchi	SL	20-21	2.20	52	60	2.32
					160.15	

ROUTE - E

Shoranur - Nilambur Road	SL	OT 17-18	13.20	52	60	3.69
Thiruvananthapuram Central - Nagercoil	SL	18-19	1.98	52	60	0.85
Thiruvananthapuram Central - Nagercoil	SL	19-20	0.60	52	60	0.60
Thiruvananthapuram Central - Nagercoil	SL	20-21	7.41	52	60	0.63
Vanchimaniyachchi - Tuticorin	SL	19-20	6.42	52	60	6.42
					12.19	
TOTAL PRIMARY RENEWAL						346.64

METRE GAUGE:

- Nil

SECONDARY Rail renewal carried over on various sections during the year 2020-21.

Chennai Central - Arakkonam	Yard	18-19	9.60	52 II	52 II	2.04
Chennai Central - Arakkonam	Yard	18-19	9.60	52 II	52 II	0.85
Chennai Central - Arakkonam	Yard	20-21		52 II	52 II	1.37
Arakkonam - Jolarpet	Yard	17-18	4.15	90 R	52 II	1.45
Arakkonam - Jolarpet	Yard	18-19	2.23	52 II	52 II	0.50
Arakkonam - Jolarpet	Yard	20-21		52 II	52 II	0.35
Chennai Egmore - Villupuram	Yard	18-19	5.50	52 II	52 II	1.36

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

Name of the Section	UP/DN/ SL	Year of sanction	Sanctioned Length	Exg. Rail Section	Rail Renewal done with	Length Renewed during the year
Jolarpet - Erode	Yard	18-19	6.54	52 II/90R/ 75R	52 II	0.93
Jolarpet - Erode	Yard	19-20	15.15	52 II	52 II	1.04
Erode - Podanur	Yard	13-14	4.47	90 R	52 II	0.01
Podanur - Shoranur	Yard	19-20	3.02	52 II	52 II	0.95
Podanur - Shoranur	Yard	20-21		52 II	52 II	1.59
Podanur - Shoranur	Yard	20-21		52 II	52 II	0.25
Shoranur - Eranakulam	Yard	20-21	2.42	90 R II	52 II	0.06
Villupuram - Tiruchchirappalli (Chord)	Yard	18-19	3.15	90 R	52 II	1.24
Villupuram - Tiruchchirappalli (Chord)	Yard	19-20	11.76	90 R II	52 II	6.84
Erode - Tiruchchirappalli	Yard	18-19	20.77	52 II	52 II	15.93
Erode - Tiruchchirappalli	Yard	20-21	0.90	90 R	52 II	0.90
Eranakulam - Thiruvananthapuram Central	Yard	16-17	7.46	52 II	52 II	1.72
Eranakulam - Thiruvananthapuram Central	Yard	17-18	4.35	90 R	52 II	1.97
Kollam - Thiruvananthapuram Central	Yard	17-18	3.58	90 R	52 II	2.03
Nagercoil - Tirunelveli	Yard	18-19	3.30	90 R	52 II	2.76
Thiruvananthapuram Central	Yard	18-19	0.78	52 II	52 II	0.49
Eranakulam - Thiruvananthapuram Central	Yard	19-20	1.31	90 R II	52 II	1.40
Kayankulam - Thiruvananthapuram Central	Yard	19-20	1.64	90 R II	52 II	1.41
Vanchimaniyachchi - Tirunelveli	Yard	18-19	9.63	90 R	52 II	3.91
Tiruchchirappalli - Rameswaram	Yard	18-19	18.88	90 R	52 II	4.35
Madurai Yard	Yard	19-20	6.67	90 R II	52 II	0.60
Manamadurai - Rameswaram	Yard	19-20	9.84	90 R II	52 II	2.84
Tirunelveli - Tiruchendur	Yard	19-20	6.16	52 II	52 II	2.74
Tiruchchirappalli - Rameswaram	Yard	19-20	6.41	90 R II	52 II	3.09
Salem - Mettur Dam	Yard	18-19	4.54	52 II/90R/ 75R	52 II	2.11
Vriddhachalam - Salem	Yard	20-21	2.43	90 R II	52 II	0.10
Eranakulam Coaching depot	Yard	16-17	1.60	52 II	52 II	0.28
Eranakulam Coaching depot & Irumpunam	Yard	18-19	4.58	52 II	52 II	1.02
Irumpunam Yard	Yard	19-20	0.24	90 R II	52 II	0.21
Nagercoil - Kanniyakumari	Yard	18-19	2.42	52 II	52 II	0.59
Vanchimaniyachchi - Tuticorin	Yard	17-18	2.04	90 R	52 II	0.28
Tirunelveli - Tenkasi	Yard	19-20	4.70	52 II	52 II	1.60
Tenkasi - Kollam	Yard	19-20	4.27	90 R II	52 II	3.91
Secondary BG Total						77.06
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 2020-21.

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	11.23	11.36	-
2	Gummidipundi - Sullurpeta	A	9.20	9.34	-
3	Sullurpeta - Gudur	A	8.52	8.66	-
1	Chennai Central - Tiruvallur (Fast Line)	B	15.31	15.16	-
2	Tiruvallur - Arakkonam (Fast Line)	B	15.31	15.16	-
3	Arakkonam- Katpadi	B	22.68	22.37	-
4	Katpadi - Jolarpettai	B	22.68	22.37	-
5	Arakkonam - Tiruttani	B	21.85	22.11	-
6	Tiruttani - Renigunta	B	21.32	21.58	-
7	Chennai Beach - Chennai Egmore	B	-	-	14.61
8	Chennai Egmore - Tambaram ('B' Line/'a' Line)	B	7.38	7.22	-
9	Tambaram - Chengalpattu	B	12.45	12.28	-
10	Chengalpattu - Villupuram	B	7.39	7.23	-
11	Jolarpettai - Salem	B	16.27	15.29	-
12	Salem-erode	B	20.41	19.19	-
13	Erode - Irugur	B	12.89	12.56	-
14	Irugur - Coimbatore North	B	12.89	12.56	-
15	Coimbatore North-Coimbatore	B	12.31	11.94	-
16	Coimbatore - Podanur	B	11.97	11.62	-
17	Irugur - Podanur	B	-	-	-
18	Podanur - Palakkad	B	8.17	8.46	-
19	Palakkad - Shoranur	B	8.60	8.42	-
20	Shoranur - Punkunnam	B	8.88	8.72	-
21	Punkunnam - Thrissur	B	9.22	9.00	-
22	Thrissur - Ernakulam	B	8.88	8.72	-
23	Villupuram - Vriddhachalam (chord)	B	5.72	5.65	-
24	Vriddhachalam - Golden Rock (chord)	B	5.72	5.65	-
25	Golden Rock-Tiruchchirappalli	B	10.47	10.25	-
26	Tiruchchirappalli - Dindigul	B	3.92	3.95	-
1	Chennai Central - Tiruvallur (Slow Line)	C	5.73	5.73	-
2	Tiruvallur - Arakkonam (Slow Line)	C	2.76	2.75	-
3	Chennai Beach - Tambaram (EMU)	C	5.07	5.06	-
4	Chennai Beach - Velachery	C	1.56	1.55	-
5	Basin Bridge - Washermenpet	C	5.28	5.28	-
6	Washermanpet-Chennai Beach	C	9.84	9.68	-

Sl. No.	Section	Group	GMT Carried During 2019-20 (In Million Tonnes)		
			Double Line		Single Line
			Up	Dn	
Broad Gauge					
1	Erode -tiruchchirappalli Fort	D	-	-	7.38
2	Karur - Dindigul	D	-	-	5.28
3	Shoranur - Kozhikkode	D	6.17	6.00	-
4	Kozhikkode - Kannur	D	2.82	2.73	-
5	Kannur - Mangalore	D	5.40	5.34	-
6	Mangalore - Thokur	D	4.25	4.25	8.50
7	Ernakulam - Ettumannur	D	5.49	4.69	10.17
8	Ettumannur - Chingavanam	D	-	-	10.17
9	Chingavanam-Kayankulam Jn.	D	5.49	4.69	-
10	Kayankulam - Kollam	D	4.79	4.18	-
11	Kollam - Tiruvananthapuram Central	D	5.16	4.85	-
12	Ernakulam - Alappuzha	D	-	-	1.57
13	Alappuzha - Ambalappuzha	D	-	-	2.87
14	Ambalappuzha - Kayankulam	D	1.54	1.34	-
15	Nagercoil - Tirunelveli	D	-	-	3.08
16	Villupuram - Mayiladuthurai	D	-	-	5.32
17	Mayiladuthurai - Thanjavur	D	-	-	2.83
18	Thanjavuri - Golden Rock	D	4.75	4.60	-
19	Villupuram-Vellore Cantonment	D	-	-	0.72
20	Vellore Cantonment - Katpadi	D	-	-	0.72
21	Dindigul - Madurai	D	7.77	8.07	-
22	Madurai - Tirumangalam	D	-	-	10.56
23	Tirumangalam -virudunagar - Tulukapatti	D	5.52	5.04	-
24	Tulukapatti - Kovilpatti	D	-	-	10.56
25	Kovilpatti-Vanchi Maniyachchi	D	5.52	5.04	-
26	Tiruchchirappalli - Karaikkudi-Manamadurai	D	-	-	1.77
27	Manamadurai - Rameswaram	D	-	-	1.08
28	Madurai - Manamadurai	D	-	-	0.21
29	Virudunagar - Tenkasi	D	-	-	1.07
30	Vanchi Maniyachchi - Tirunelveli	D	2.88	2.68	-
31	Tirunelveli - Tiruchendur	D	-	-	0.25
1	Chengalpattu - Tirumalpur - Arakkonam	E	-	-	1.39
2	Washermanpet - Korukkupet	E	4.56	4.40	-
3	Walajah Road - Ranipet	E	-	-	-
4	Pattabiram - Pattabiram Military Siding	E	-	-	-
5	Villivakkam - Anna Nagar	E	-	-	-
6	Salem - Omalur	E	-	-	14.22

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Sl. No.	Section	Group	GMT Carried During 2019-20		
			(In Million Tonnes)		
			Double Line	Single Line	
			Up	Dn	
Broad Gauge					
7	Omalur - Mettur Dam	E	7.43	6.79	-
8	Salem - Namakkal - Karur	E	-	-	8.90
9	Vriddhachalam - Salem Market	E	-	-	0.38
10	Salem Market- Salem	E	-	-	0.38
11	Coimbatore North - Mettupalaiyam	E	-	-	0.65
12	Kinnathukidavu - Podanur	E	-	-	0.00
13	Palakkad - Palakkad Town	E	-	-	0.81
14	Pollachi - Palakkad Town	E	-	-	0.63
15	Pollachi - Kinnathukidavu	E	-	-	0.08
16	Shoranur - Nilambur Road	E	-	-	0.24
17	Ernakulam - Cochin Harbour Terminus	E	-	-	10.06
18	Punkunnam - Guruvayur Nagercoil	E	-	-	0.62
19	Tiruvananthapuram Central -	E	-	-	6.33
20	Nagercoil - Kanniyakumari	E	-	-	1.00
21	Villupuram - Puducherry	E	-	-	0.45
22	Cuddalore Port-Vriddhachalam	E	-	-	0.56
23	Tiruchchirappalli Fort - Tiruchchirappalli Jn.	E	-	-	2.50
24	Tiruchchirappalli Fort - Tiruchchirappalli Goods Yard	E	-	-	8.40
25	Mayiladuturai - Tiruvarur	E	-	-	5.67
26	Thanjavur - Thiruvavur	E	-	-	6.24
27	Tiruvarur - Nagore	E	-	-	10.51
28	Nagore - Karaikal	E	-	-	0.71
29	Nagapattinam - Velankanni	E	-	-	0.00
30	Nidamangalam - Mannargudi	E	-	-	0.24
31	Tiruvarur - Tiruturaipundi	E	-	-	0.004
32	Tiruturaipundi - Pattukottai - Karaikkudi	E	-	-	0.005
33	Dindigul - Palani-pollachi	E	-	-	0.49
34	Manamadurai - Virudunagar	E	-	-	0.27
35	Vanchi Maniyachchi - Tattaparai	E	1.39	0.90	-
36	Tattaparai - Tuticorin	E	-	-	2.29
37	Tirunelveli - Tenkasi	E	-	-	0.16
38	Tenkasi - Sengottai	E	-	-	1.07
39	Sengottai - Punalur	E	-	-	0.36
40	Punalur - Kollam	E	-	-	0.76
Metre Gauge					
1	Mettupalaiyam - Coonoor	S3	-	-	0.04
2	Coonoor-udagamandalam	S3	-	-	0.13
3	Madurai - Bodinayakanur	S3		Closed For GC	
4	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 Dynamic Tamping machines, 6 High output capacity CSM tamping machines, 1 High output Express Tamper, 7 Unimat Points & Crossings Tamping Machines, 3 Multi Purpose Tamper, 10 Ballast Cleaning Machines, 4 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 70 machines.

Tamping of 10057 km (worksite & construction including) of track has been done by the High Output tamper and Work Site Tamping machine during 2020-21 in the Rajdhani, Shatabdhi and other high speed / density routes.

Track relaying to the tune of 135.63 km and Turnout renewal to the tune of 98 Nos. in Open Line by Track Relaying Train and by T-28 respectively were also completed during the year 2020-21.

Deep screening by ballast cleaning machines (BCM) to the tune of 468 km of plain track and 337 Nos. of turnout were completed during the year 2020-21.

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) and one GPS based PC OMS system 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.

TRACK MANAGEMENT SYSTEM (TMS)

A web based Track Management System was implemented in all division 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. Staff are provided with notebooks up to grass root level and necessary training is imparted. As Implementation is completed in all Divisions, 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.

22. (b) Progress achieved in the various track improvement works during the year 2020-21 is as follows:-

Ballast collection (lac cum)	5.33
Ballast Insertion (lac cum)	6.40
Deep screening (km)	912.04
USFD Testing (km)	19583
Greasing ERC (km)	3666.71
Anticorrosive painting (km)	2178.77
Laying PSC turnouts (sets)	130
Destressing (km)	1491.15

23. Stabilisation of Bad banks :

Progress achieved during the year 2020-21 : 10.28 Kms.

24. Length of Tunnels 2020-21

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	
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	
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 2020-21

Gauge	Broad Gauge		Metre Gauge		Narrow Gauge		Total	
Year	2019-20	2020-21	2019-20	2020-21	2019-20	2020-21	2019-20	2020-21
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 2020-21

(i) Statement showing number of projects, plinth area, estimated cost and value of work done during 2020-21.

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 ..	104.00	5682.76	2883.20	1544.08	105.18	1807.82
b	Completed. ..	50.00	2015.00	1634.20	1310.46	12.51	608.21
B. Non family dwelling barracks							
a	In progress ..	3.00	0.00	0.00	326.26	0.00	0.00
b	Completed. ..	2.00	191.40	191.40	40.00	42.10	2.10
2. Industrial building (Factories, Workshops Etc.)							
a	In progress ..	1.00	1150.00	1150.00	404.00	0.00	0.00
b	Completed ..	1.00	575.00	1150.00	225.00	105.00	225.00
3. Commercial building (Ware house, offices etc.)							
a	In progress ..	1.00	1800.00	1620.00	698.14	68.40	68.40
b	Completed ..	6.00	7816.15	1196.80	1480.45	934.29	934.29
4. Institutional buildings							
a	In progress ..	0.00	0.00	0.00	91.51	0.00	0.00
b	Completed ..	1.00	125.00	125.00	25.00	25.00	25.00
5. Other buildings (Public Libraries, Amusement building etc.)							
a	In progress ..	2.00	2041.05	1804.51	174.38	24.06	24.06
b	Completed ..	1.00	600.00	0.00	100.35	50.18	0.00

(ii) Statement showing number addition and alternation of projects, plinth area, estimated cost and value of work done during 2020-21 on building by construction Type and stages of construction.

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

a	In progress ..	17	0	320	91.51	19	19
b	Completed ..	43	2224	134	697.4	20.00	650.50

B. Non family dwelling barracks, etc.

a	In progress ..	0	0	0	0	0	0
b	Completed ..	0	0	0	0	0	0

2. Industrial building

a	In progress ..	0	0	0	0	0	0
b	Completed ..	0	0	0	0	0	0

3. Commercial building

a	In progress ..	0	0	0	0	0	0
b	Completed ..	5	7591.6	551.2	1116.38	460.55	460.55

4. Institutional buildings

a	In progress ..	0	0	0	91.51	0	0
b	Completed ..	0	0	0	0	0	0

5. Other buildings

a	In progress ..	0	0	0	0	0	0
b	Completed ..	0	0	0	0	0	0

iii. Number of dwelling units/Staff Quarters (Permanent Structure) constructed and under construction during 2020-21

Construction Stages		Type I	Type II	Type III	Type IV	Type V	Other
Sl. No.	Division Name						
a	Progress	0	38	9	6	0	0
b	Completed	0	30	3	7	1	3

27. Land Management 2020–21

(a) Tree Plantation

Position for the year 2020–21 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	4,12,841	83,519	2	4,35,613	10,500	79,780
Karnataka						
Kerala						
Andhra Pradesh						
Total	4,12,841	83,519	2	4,35,613	10,500	79,780

(b) Encroachments—Position of Encroachments on Railway Land

(i) The position for the year 2020–21 is as under :

Total No. of encroachments as on 31-03-2020	Total No. of encroachments			Total No. of cases pending with Estate Officer at the beginning of the year 31-03-2020	No. of cases filed during the year	No. of cases decided during the year	Total No. of cases pending with Estate Officer as on 31-03-2021
	Added	Removed	Total No. of encroachments as on 31-03-2021				
5,150	1,011	0	6,161	3,185	85	0	4,196

(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.) 2020–21

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.	0	37
c. Engineering plots	0	86
d. Shopping Plots (Engineering Deptt.).. .. .	37	32
e. Oil plots	3	17
f. Others	9	214
Total	49	386

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

Sl. No.	Description	Actual earnings for last three years		
		2018-19	2019-20	2020-21
1.	Licensing of land for G. M. F.	0	0	0
2.	Sale of Grass rights	0	0	0
3.	Sale of Fruit rights	0	0	0
4.	Sale of Fishery rights	0	0	0
5.	Sale of matured green trees and dry trees	2420.85	513.27	2825.16
6.	Licensing of land for shopping purposes including Tehbazari purposes	15378	16486	49546
7.	Licensing of land for Oil Companies	143204026	127315195	332098376
8.	Licensing of land for other purposes	143135.68	176766.24	226456.97
9.	Way leave facilities & easement rights both along road & rail approaches	119571210	497442215	47579545
10.	Other Misc. Earnings from Land	117967.76	202894.5	96208.27
	Total	263054138	625154070	380052958

(e) Outstanding Dues (In thousand rupees)

Sl. No.	Item	Position as on 31-03-2020	Accretion during the year (+)	Clearance during the year (–)	Balance Outstanding as on 31-03-2021
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	6974	9117	7967	8154
3.	Outstanding due Oil Companies	7659	7290.436	6554.436	8395
4.	Outstanding dues from Government Department	79563.44	20492.248	108163.68	46194.68
	Total	94196.44	36899.684	122685.116	62743.68

(F) Total Land Area (in hectares) 2020-21

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	Comm. Licensing	G. M. F.		
1	2	3	4	5	6	7	8	9	10
24321.48	67.98	3	24391.06	19929.23	1582.933	265.34	23.43	159.86	1565.82

28. Civil Engineering Assets – 2020-21

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 girder bridges (Tonnes)	No. of water pumping points (Nos.)	No. of sewage treatment plant (Nos.)	No. of ballast quarries (Nos.)
4	5	6	7	8 = (6+7)	9	10	11	12 (9 to 11)	13	14	15	16	17
		Major	Minor	Total (m)	FOB	ROB	RUB	Total (m)					
1235860.06	1366053.60	70578.41	24391.80	94969.91	7445.16	12225.62	3149.98	22820.76	825089.90	13747.61	180.00	12.00	3.00

28. Civil Engineering Assets – 2020-21

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 Severage 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	2019-20	MAS	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
	2020-21		477318	104730	7950	4541	12491	1032	575.00	527.00	2134.00	0.00	0.00	78.00	1.00	1.00
2	2019-20	SA	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
	2020-21		86326.00	526817.06	4340.44	3291.59	7632.03	859.30	1737.62	650.50	3247.42	0.00	0.00	2	0.00	0.00
3	2019-20	PGT	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
	2020-21		11637.82	34238.60	22693.03	3669.22	26362.25	2443.92	3549.50	367.56	6360.98	16082.90	3156.00	35.00	0.00	2.00
4	2019-20	TVC	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
	2020-21		127288.00	102444.00	13842.64	4523.36	18366.00	2103.32	3564.13	626.21	6293.66	8100.00	4725.00	12.00	1.00	0.00
5	2019-20	TPJ	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	0.00
	2020-21		296483.06	341436.77	10250.30	0.00	10250.00	0.00	1052.92	10.51	1063.43	27.00	3724.00	0.00	0.00	0.00
6	2019-20	MDU	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
	2020-21		236807.18	256387.17	11502.00	8362.40	19864.40	1006.62	1746.45	959.20	3712.27	800880.00	1346.61	47.00	10.00	0.00
7	2019-20	CE/CNERS	0.00	0.00	0.00	0.00	24.40	0.00	421.00	12.50	433.50	0.00	0.00	0.00	0.00	0.00
	2020-21		0.00	0.00	0.00	4.23	4.23	0.00	0.00	9.00	9.00	0.00	796.00	6.00	0.00	0.00
8	2019-20	CE/CNMS	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
	2020-21		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	2019-20	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
	2020-21		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	2019-20	TOTAL	68301254	80019240	43190.09	30293.01	73483.10	7498.10	10655.63	5164.03	23317.76	81700991	11580.83	153.00	33.00	2.00
	2020-21		1235860.06	1366053.60	70578.41	24391.80	94969.91	7445.16	12225.62	3149.98	22820.76	825089.90	13747.61	180.00	12.00	3.00



V. परिवहन/TRANSPORTATION

Highlights of Freight Performance:-

1. Originating Revenue Earning Traffic:-

- Originating Revenue Earning Traffic during this financial year 2020-21 was **26.856 M.T.** In spite of Pandemic difficulties, Southern Railway strived and achieved 83% of Target.
- Out of **10.255 M.T** Coal loading for this financial year, **7.282 M.T** Coal loaded, for TNEB Power Houses & Other State Power Houses. (i.e.71%).
- There was a steep increase of 197% in Raw Materials for Steel Plants loading during this financial year 2020-21 when compared to 2019-20. (i.e **0.628 M.T to 1.866 M.T**).
- Tamil Nadu Civil Supplies [TNCSC] had loaded **687 rakes of 1.762 M.T** of Paddy & Rice from Cauvery Delta to various parts of Tamil Nadu during 20-21as against **402 rakes of 1.037 M.T** during 2019-20 , showing an increase of **70%**.
- During the financial year 2020-21, there is an overall increase of **24% (3.586 M.T to 4.434 M.T)** in Fertiliser loading as compared to 2019-20. **Indigenous Fertilizer** loading increased by **3 % (2.649 M.T to 2.732 M.T)** and **Imported Fertilizer** loading increased by **82 % (0.937 M.T to 1.702 M.T)**
- Automobile loading at MLPM had increased from **253 rakes of 0.107 M.T** during 2019-20 to **331 rakes of 0.196 M.T** rakes during 2020-21 with an increase of **83%**.

Other performance during 2020-21:-

- As per the directives of Railway Board, Business Development Units (BDU) were set up at Zonal and Divisional levels to co-ordinate and interact with Industry to attract more Traffic. Due to the efforts of the BDUs at Zonal and Divisional levels, as many as 17 Companies (New and Old) have been brought into business with Railways and Freight traffic was offered for loading commodities like Boilers, Harvester Machines, Mosquito Nets, Bauxite Etc. As a result Southern Railway received a traffic of 0.442 M.T. with an earnings of 53.97 Cr.

2. Originating Revenue Earning Traffic (In Million Tonnes) for 2020-21 & 2019-20 compared with Board's target for 2020-21 are as under :-

(In Million Tonnes)

Commodity/ Year	2020-21 (Target)	2019-20 Actual	2020-21 (Actual)	%Variation over Target	%Variation over Last year
COAL	16.770	16.945	10.254	- 39 %	- 39 %
RMSP	0.800	0.628	1.866	+ 133 %	+197 %
STEEL	0.330	0.333	0.304	- 8 %	- 9 %
IRON-ORE	0.510	0.332	0.061	- 88 %	- 82 %
CEMENT	1.370	1.361	1.244	- 9 %	- 9 %
FOODGRAINS	1.050	1.037	1.761	+ 68 %	+ 70 %
FERTILISERS	3.740	3.586	4.434	+ 19 %	+ 24 %
POL	3.920	4.374	3.780	- 4 %	- 14 %
CONTAINERS	1.350	1.293	1.216	- 10 %	- 6 %
OTHERS	2.420	1.869	1.936	- 20 %	+ 4 %
TOTAL	32.260	31.757	26.856	- 17 %	- 15 %

2.1 Clearance of Traffic from Ports: (April-March'21)

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/VPDP) and Karaikal Port (KIKP).

The traffic originated from various ports during 2020-21 compared to previous year 2019-20 are as under :-

(In Million Tonnes)

Name of Port	Port-wise Loading for the year 2020-21 compared with last year									
	Year	Coal	RMSP	Fert	Cont	Gyp	I-ore	I & Steel	Others	Total
HOM	19-20		0.627		0.550	0.020	0.052	0.002		1.251
	20-21		1.867	0.078	0.615	0.049		0.005		2.614
KPCA	19-20	4.084		0.120	0.077	0.200				4.481
	20-21	2.257			0.096	0.186				2.539
KIKP	19-20	6.797		0.274			0.279			7.350
	20-21	4.441		0.358			0.061	0.012	0.020	4.890
TNHP (VOC)	19-20	0.612	0.004	0.224	0.002				0.024	0.866
	20-21	0.532	0.004	0.692				0.002	0.020	1.250
MPT	19-20	2.253		0.313		0.075			0.034	2.675
	20-21	1.072		0.575		0.027			0.019	1.693
VPDP	19-20				0.009					0.009
	20-21				0.065					0.065
TOTAL	19-20	13.746	0.631	0.931	0.638	0.295	0.331	0.002	0.058	16.632
	20-21	8.302	1.871	1.704	0.776	0.262	0.061	0.019	0.059	13.055

B. Coaching

Punctuality of Passenger Carrying Trains :		
	RB Target	Achieved
Punctuality Performance of Mail/Express Trains.	90	97.35
Special Trains :		
	No. of Trains	No. of trips
SR SPI (TOD)	628	1506
Alarm chain pulling :		
	Cases	
Punctuality loss due to Alarm chain pulling	15	

Changes in train services :

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

Sl. No.	Train No.	Description	Date of introduction
1	19119/19120	Chennai Central – Ekta Nagar (initially the train was introduced from Kevadia)	Ex. Kevadia 20-01-2021 Ex. MAS 24-01-2021
2	18189/18190	Tata Nagar – Allapuzha – Tata Nagar (introduced as special)	27-01-2021

2. Extension of trains : Nil**3. Increase in Frequency : Nil****4. Trains converted into Super fast :**

As part of zero based time tabling exercise, the following trains were converted to superfast :

S. No.	Existing T. No.	Description	New Train No.
1	16864	MQ – BGKT Express	22674
2	16863	BGKT – MQ Express	22673
3	16359	ERS – PNBE Express	22669
4	16360	PNBE – ERS Express	22670
5	16793	RMM – FD Express	22613
6	16794	FD – RMM Express	22614
7	11043	LTT – MDU Express	22101
8	11044	MDU – LTT Express	22102
9	11073	LTT – MAS Express	22179
10	11074	MAS – LTT Express	22180
11	13575	TBM – JASIDIH Express	12375
12	13576	JASIDIH – TBM Express	12376
13	15119	RMM – BBS Express	22535
14	15120	BBS – RMM Express	22536
15	14815	BGKT – TBM Express	20481
16	14816	TBM – BGKT Express	20482
17	19603	All – RMM Express	20973
18	19604	RMM – All Express	20974
19	17605	MAQ – KCG Express	12790
20	17606	KCG – MAQ Express	12789
21	19261	KCVL – PBR Express	20909
22	19262	PBR – KCVL Express	20910
23	19331	KCVL – INDB Express	20931
24	19332	INDB – KCVL Express	20932
25	19419	MAS – ADI Express	20919
26	19420	ADI – MAS Express	20920
27	19423	TEN – GIM Express	20923
28	19424	GIM – TEN Express	20924

5. Trains diverted : Nil**6. Speeding up of Mail/Express TRAINS : Nil****Steps taken ease over-crowding**

The details of special trains (Shramik Specials) operated by SR and other railways is as under :

	No. of Trains
SR	507
Other Railway	156

Permanent Augmentation (Special trains) :

Total No. of Rakes	20
Total No. of Trains	14 Pairs
Total No. of Coaches	40

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

Safety Rules are indispensable for the safe working of trains. Periodical reviews of the existing Rules are being done to keep abreast with the changing circumstances. As part of this exercise six corrections to GRs (Correction Memos Number 3/2020, 04/2020 and 1/2021) were issued.

Apart from the above, the following special instructions approved by PCOM were issued during the period :-

- The special instructions for working of trains at station provided with BPAC with block instrument wherever dual detections are provided have been circulated to all Divisions on 18-06-2020.
- The special instructions for working of trains at IBP with axle counter on double line section (SSDAC/HASSDAC/MSDAC) have been circulated to all Divisions on 12-08-2020.
- The special instructions for working of trains with resetting procedure for Automatic block signalling section provided with MSDAC have been circulated to all Divisions.
- The special instructions for working of trains at IBP with axle counter on double line section (SSDAC/HASSDAC/MSDAC) have been circulated to all Divisions.

2. Training :

- Training modifies the knowledge, skill and attitude of staff to suit job needs. Training plays a vital role in promoting human resources for achieving safety and efficiency in operations.
- MDZTI/TPJ plays a crucial role in enhancing the efficiency and safety consciousness of staff of Southern Railway for upgrading human resources even during covid situations through "On line" and "Off line" classes.
- Performance Highlights of MDZTI/TPJ during the period :**

a. On line courses have commenced from 04-05-2020 and during the period from 04-05-2020 to 31-03-2021, 203 online courses were conducted and 9,068 trainees including SMs, LPs and Guards undergone and completed the training through On line.

b. Session plan for online training for various courses were prepared. Power points and videos were used for effective online training through Webex/Google meet. MS team application Soft copies of the study material were prepared and sent to the trainees through Whatsup groups.

c. During the period 19-10-2020 to 31-03-2021 29 regular courses were conducted and 1,151 trainees including Pro SMs, Pro ALLPs and Pro Guards have attended the training through offline.

3. Safety Seminars and Safety Drives :

1. The calendar safety drive for traffic staff regarding securing of vehicles/Loads/Trains at Station were conducted from 5th April 2020 to 14th April 2020.
2. A comprehensive list of Guidelines for SMs, Guards, Pointsmen and Gatemen was issued to all Divisions for ensuring the safe working of trains on 29-04-2020.
3. The calendar safety drive for traffic staff regarding precautions to be taken during shunting were conducted from 5th May 2020 to 14th May 2020.
4. The calendar safety drive for traffic staff regarding "Proper information regarding Train No. and full description of the train" were conducted from 5th June 2020 to 14th June 2020.
5. A Safety Drive was conducted from 05.07.2020 to 14-07-2020 "Dealing of trains during signal failure".
6. The calendar safety drive for traffic staff regarding "Dealing of trains during disconnection period" were conducted from 05-08-2020 to 14-08-2020.
7. The calendar safety drive for traffic staff regarding "Observation of SWR and knowledge of SMs in SWR" were conducted from 05-09-2020 to 14-09-2020.
8. The calendar safety drive for traffic staff regarding "setting of points against occupied line" were conducted from 05-10-2020 to 14-10-2020.
9. The calendar safety drive for traffic staff regarding "Applying & Releasing of Hand brakes in SLR before starting the train by Guard" were conducted from 05-11-2020 to 14-11-2020.
10. The calendar safety drive for traffic staff regarding "Precautions to be taken during block failures" were conducted from 05-12-2020 to 14-12-2020.
11. The safety drive for traffic staff regarding "Precautions to be taken during Shunting operations" was organized from 26-12-2020 to 04-01-2021.
12. On Safety Seminar was conducted in all Divisions on the subject "Following correct procedure for train signalling as per BWM and ensuring proper entries in the TSR during the month of December "and 338 staff have participated the seminar.

Punctuality performance				
Details	Mail/Express	Passenger (PSPC)	Suburban	Passenger MD
Target	85%	75%	80%	..
Train Rep.	26521	2113	0	0
Lost	702	2005	0	0
RT	25819	108	0	0
RT %	97.4	94.5	0	0

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

Sl. No.	Description	2019-2020	2020-2021
(a)	No. Passenger Carried (System)..	8456856	106278
(b)	Passenger Kms. ..	88131030	14308587
(c)	Passenger train Kms. *Excl. Deptl. (incl. MEMU, DEMU, EMU)	69638	18381
(d)	Total Coaching Vehicle Kms. (Excl. deptl. incl. MEMU, DEMU, EMU)	2272406	635096
(e)	Total freight tonne Kms. (Rev+Non-Rev)	15473242	15764695
(f)	Goods train Kms. Excluding Departmental.	9971	11098
(g)	Total Wagon Kms. Excluding Dept. & Brake-van.	449659	454564
(h)	Total train Kms. (Excl. Deptl.) * (incl. Pass & Goods and also MEMU, DEMU, EMU).	79608	29479
(i)	Total Engine Kms. ..	80588	38584
(j)	Total Gross Tonne Kms. (incl. weight of Engine & Deptl.) and incl. coaching, goods EMU MEMU DEMU).	97001143	48835186

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	
		2019-20	2020-21	2019-20	2020-21
I	Wagon Kms. Per wagon day on line (in terms of eight wheelers)	120.74	137.58	0	0
II	Coaching vehicle Kms. Per Vehicle day :				
	(a) Passenger	483.60	143.09	0	0
	(b) Other Coaching	622.24	120.91	0	0
III	Percentage of loaded to total Wagon Kms.	57.00	56.00	0	0
IV	Speed of all Goods trains (Kms. Per hour)	28.75	45.55	0	0
V	Average starting wagon load (Tonnes)	58.79	56.51	0	0
VI	Loads of Goods trains (Tonnes)				
	(a) Net or freight load	1550.37	1420.20	0	0
	(b) Gross load (incl. Weight of engine)	2785.73	2558.50	0	0
	(c) Gross load (Excl. Weight of engine)	2626.81	2423.40	0	0
VII	Net tonne km. Per wagon day on line	4151.14	4770.11	0	0
VIII	Net tonne km. Per locomotive day in use	147345	166325	0	0
IX	Net tonne Km. per engine hour	11224	14335	0	0
X	Gross tonne Km. Per engine hour	20271	26219	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	2019-20	2020-21
1	Coal		
	(i) Coal for Railway use ..	0.00	0.00
	(ii) Coal for Steel Plant ..	1.44	1.64
	(iii) Coal for other use ..	15.51	8.62
	(iv) Total Coal ..	16.95	10.26
2	Raw materials for steel plants (Other than coal).	0.95	1.93
3	Finished products from steel plants.	0.21	0.26
4	Cement ..	1.36	1.24
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 ..	0.21	0.05
	(ii) Foodgrains ..	1.04	1.76
	(iii) Mineral Oils ..	4.37	3.78
	(iv) Fertilizers ..	3.39	4.19
	(v) Other Goods ..	3.48	3.42
	(vi) Total Misc. Goods ..	12.49	13.20
7	Total All Traffic (Revenue & Non-Revenue) ..	31.96	26.89

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	
		2019-20	2020-21	..	..
(a)	Average No. of wagons owned. (in terms of 8 wheelers)	9760	9860	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)	10172	9052	0	0
(d)	No. of wagons loaded daily : REV. and NON REV.				
	i. Originating	1472	1271	0	0
	ii. Transhipment	0	0	0	0
	iii. Repacked	0	0	0	0
	iv. Coaching traffic	0	0	0	0
	v. Total loading	1472	1271	0	0
(e)	No. of loaded wagons received daily from other Rlys.	1068	1219	0	0
(f)	Turn round of wagons (on line)	3.35	3.00	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	2019-20	2020-21	% variation over previous year
Broad	9,917	9,983	0.67
Metre	0	0	0.00
Total	9,917	9,983	0.67

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

Gauge	2019-20	2020-21	Percentage variation over previous year
Broad	10,172	9,052	-11.01
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	2019-20	2020-21	Percentage variation over previous year
Broad	5,38,926	4,63,754	-13.95
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	2019-20	2020-21	Percentage variation over previous year
Broad	3,91,172	4,44,772	13.70
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	2019-20	2020-21	Percentage variation over previous year
Broad	6.35	7.11	11.97
Metre	0	0	0.00

13 STATEMENT OF NET TONNEKMS.(CARRIED BASIS)

(Figures in Millions)

Particulars	2019-2020	2020-2021
I. Coal		
(i) Coal for Railway Use ..	0	0.00
(ii) Coal for Steel Plants ..	462.15	479.47
(iii) Coal for Other Use ..	3890.74	2506.68
(iv) Total Coal ..	4352.89	2986.15
II. Raw Materials for Steel Plants (Other than Coal).	486.43	683.01
III. Finished products from Steel Plants	1062.50	927.64
IV. Cement ..	1494.3	1881.14
V. Export Ore		
(i) Iron Ore ..	0	0
(ii) Manganese Ores ..	0	0
VI. Miscellaneous Goods		
(i) Railway Material ..	14.20	4.11
(ii) Foodgrains ..	3178.88	4421.60
(iii) Mineral Oil ..	1314.75	1045.81
(iv) Fertilizer ..	1653.31	1861.04
(v) Other Goods ..	1915.98	1954.20
(vi) Total Misc. Goods ..	8077.12	9286.76
Total all traffic ..	15473.24	15764.70

14. ENGINEUSAGE

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

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

(Figures in thousands)

Particulars	2019-20	2020-21	% variation over previous year
(a) Passenger			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	25,305	3,655	-85.56
Dsl. Hyd. ..	0	0	0.00
Elec. ..	55,213	20,468	-62.93
Total ..	80,518	24,123	-70.04
M. G. Steam ..	19	5	-73.68
Dsl. Elec. ..	60	4	-76.67
Dsl. Hyd. ..	0	0	0.00
Elec. ..	0	0	0.00
Total ..	79	19	-75.95
(b) Goods			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	3,916	2,987	-23.75
Dsl. Hyd. ..	0	0	0.00
Elec. ..	18,999	23,419	23.264
Total ..	22,915	26,406	15.23
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. ..	29,221	8,920	-69.47
Dsl. Hyd. ..	0	0	0
Elec. ..	74,212	47,648	-35.79
Total ..	1,03,433	56,568	-45.31
M. G. Steam ..	29	18	-30.77
Dsl. Elec. ..	61	18	-71.88
Dsl. Hyd. ..	0	0	0.00
Elec. ..	0	0	0.00
Total ..	90	36	-60.00

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. ..	499	1272*	154.91
Dsl. Hyd. ..	0	0	0.00
Elec. ..	950	374	-60.63
Combined ..	@	@	@
M. G. Steam ..	30	29	-3.33
Dsl. Elec. ..	67	50	-25.37
Dsl. Hyd. ..	0	0	0.00
Elec. ..	0	0	0.00
Combined ..	@	@	@
(b) Goods Service			
B. G. Steam ..	589	266	-54.84
Dsl. Hyd. ..	0	0	0.00
Elec. ..	444	570	28.38
Combined ..	@	@	@
M. G. Steam ..	0	0	0.00
Dsl. Elec. ..	0	0	0.00
Dsl. Hyd. ..	0	0	0.00
Elec. ..	0	0	0.00
Combined ..	@	@	@

* - Fractional engine hour is taken as 1.

(@) 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	2019-20	2020-21	% variation over previous year
(a) Passenger			
B. G. Steam ..	0	0	0.00
Dsl. Elec. ..	296	77	-73.99
Dsl. Hyd. ..	0	0	0.00
Elec. ..	409	242	-40.83
Combined ..	@	@	@
M. G. Steam ..	12	8	-3.33
Dsl. Elec. ..	35	10	-71.43
Dsl. Hyd. ..	0	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	2019-20	2020-21
B.G.	Mail & Express	84.1	92.0
	Passenger	83.0	91.5
	Suburban (EMU)	85.1	WF
M.G.	Mail & Express	0.0	0.0
	Passenger	95.9	99.8
	Suburban (EMU)	0.0	0.0

WF indicates 'Will Follow'

GOODS EARNINGS UNDER IMPORTANT HEADS DURING 2020-2021

Sl. No.	Particulars	Tonnes Carried (in millions)		Earnings (in lakhs of ₹)	
		2019-20	2020-21	2019-20	2020-21
	Revenue Earnings Traffic				
1.	Products of Agriculture	9.070	11.991	44,572.38	59,710.14
2.	Animals & Products of animals.	..	..	..	..
3.	Products of mines	20.760	16.033	1,17,764.32	83,019.30
4.	Mineral oil	4.910	4.360	24,792.27	19,656.65
5.	Products of Forests	0.071	0.056	317.19	240.51
6.	Manufactures	10.681	11.198	47,124.17	48,743.46
7.	Others	8.880	9.496	34,659.20	43,160.35
8.	Total Revenue Traffic				
	Excel Misc. Goods Earnings.	54.372	53.134	2,69,229.53	2,54,530.41
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).	0.213	0.050	307.78	79.19
	b. For other Govt. Railways.	..	..	..	..
11.	Total Non-Revenue traffic.	0.213	0.050	307.78	79.19
12.	Grand Total	54.585	54.184	2,69,537.31	2,54,609.60

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

18. Water Supply 2020-21

Sl. No.	Divn	Name of work	Estimate cost in lakh of Rs.

I. Works Completed**a. Works costing more than Rs.5 lakhs each.**

1	MAS	(i) SSE/W/RPM - Supply of drinking water by tanks mounted on lorry for Railway Colonies and stations in SSE/W/RPM for a period of one year.	77.02
		(ii) SSE/W/JTJ - Supply of drinking water by tanks mounted on lorry for Railway Colonies and stations in ADEN/JTJ sub division.	33.08
		SSE/W/MPK - BBQ - Repairs to pumping main from sick line at TNPM to cabin in JE/W/BBQ section.	176.00
		(iii) SSE/W/MPK - MAS - Renewal of corroded pipe lines and separation of raw water and potable water pipe lines and additional storage tank for PF taps.	211.00
		SSE/W/MPK - Repairs and maintenance of all buildings and road in MAS	25.00
		(iv) SSE/W/MPK - Repairs and maintenance of all buildings and road in MMC	15.00
		(v) SSE/W/MPK - Repairs and maintenance of all buildings and road in NGO	10.00
		(vi) SSE/W/MPK - Repairs and maintenance of all buildings and road in MPK	10.00
2	SA	—	
3	PGT	—	
4	TVC	(i) Renewal of water hydrant at KTYM & ERS section	66.74
		(ii) TVC - Provision of borewell and pipe line for non- domestic purposes	66.99
		(iii) QLN Sub-division periodical cleaning of open well, ...	52.50
		Water recycling plants at KCVL and TVC	336.00
5	TPJ	NGT - VLNK - Supply of drinking water for NGT, VLNK stations	5.42
6	MDU	—	
7	CE/CN/ERS	—	
8	CE/CN/MS	RCC - Over Head tank with GLR at TBM Coaching Terminal	150.00
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/ERS	-	
8	CE/CN/MS	-	
9	MTP	-	

18. Water Supply 2020-21

Sl. No.	Divn	Name of work	Estimate cost in lakh of Rs.

II. Works in Progress**a. Works costing more than Rs.5 lakhs each.**

1	MAS	(i) SSE/W/MS - Supply of drinking water by tanks mounted on lorry for Rly. Colonies and station in SSE/W/MS for a period of 1 year.	761.00
		(ii) SSE/W/MS - Trucking out of water from Metro Water filling point.	4.00
		(iii) SSE/W/CGL - New drinking water piep line work at CGL.	108.00
		(iv) SSE/W/RPM - Supply of drinking water by tanks mounted on orry for Railway Colonies and stations in SSE./W/RPM for a period of one year.	59.06
2	SA	(i) Watering facilities in the stabling lines between 9,10,11 & 12 and in platform No.6 at CBF PF No.1.	74.33
		(ii) ADEN/PTJ Sub Divn. - Maintenance of water supply arrangements in SSE/W/PTJ section. ..	32.80
		(ii) Proposed maintenance of water supply system for a period of two years in SSE/W/SA Jurisdiction.	72.00
		(iv) ADEN/PTJ Sub division - cleaning and mainteance of existing sewer lines and water supply pipe lines at SSE/P.Way/ONR section for a period of 2 years.	53.19
3	PGT	(i) SRR - Out sourcing distribution system.	14.226
		(ii) Supply of portable water for summer season bycontractors own source to MAQ Rly.Colony and Rly.station at MAQ (Agt. No.J/538 of 01.07.2020.	51.90
4	TVC	(i) Kochuveli (KCVL)- Augmentation of water supply	245.30
		(ii) Setting up of quick watering arrangement at TVC station	463.76
		(iii) Setting up of quick watering arrangement at QLN station	540.57
		(iv) Setting up of quick watering arrangement at NCJ station	434.75
		(v) Extension of carriage watering pipe lines in platforms	30.64
5	TPJ	(i) TPJ- Junction laying Rain Water pipe lines from ZRTI training school Hostel - I,II,III,IV&V to ETP ..	19.66
		(ii) SARCARPALAYAM - Replacement of cast iron pipe line (2001m) & Ponmalai - Replacement of .. steel tank by reinforced concrete cement tank.	249.43
		(iii) SARCARPALAYAM - Additional Collector Well to augment the water for summer requirements ..	58.19
		(iv) Supply of drinkingwater to station premises and staff quarters at Tiruppathiripuliyur and Chidambaram Stations for a peropd of one year.	18.43
6	MDU	(i) SSE/W/KKDI (i) Supplyof 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
		(ii) SSE/W/MDU (ii) 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.	68.23
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 Rs.5 lakhs each.

1	MAS	-	
2	SA	Provision of new bore well at SLY with Pump House due to dry conditon of borewell of Colony Drinking Water Supply.	2.11
3	PGT	-	
4	TVC	-	
5	TPJ	-	
6	MDU	(i) SSE/W/KKDI - (i) Drinking water supply from PDKT Municipality to PDKT station and Staff Quarters	0.50
		(ii) SSE/W/KKDI - (ii) Supply of good drinking water to travelling public and staff at RMD	3.01
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. Remaining 43 stations cleaning activity 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. 33,600/- has been realized from 163 cases during 2020-21.

26. INPUT/OUTPUT RATIO

Particulars	2019-20	2020-21	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.	370.70	349.43	-5.74
(ii) Wagon holdings in terms of 8-wheelers.	10,172	9,052	-11.03
(iii) Additional capital investments on line capacity & terminal capacity (Rs. in lakhs).	N/A	N/A	N/A
2. OUTPUT			
(I) GTKMs. incl. Wt. of Engines (in lakhs) on ownership basis as per train documents Goods & prop. of mixed.	4,29,882	4,01,833	-6.52
(ii) NTKMs (in lakhs) on ownership basis as per train documents Goods & prop. of mixed.	2,53,353	2,30,653	-8.96
(iii) Average daily loading incl. Transshipment at BG, MG & NG (Revenue & Non-Revenue).	1,472	1,271	-13.65
Average daily loaded receipts.	1,069	1,219	14.03
Total loading and loaded receipts.	2,541	2,490	-2.01
AVERAGE			
Wagon Kms. Per wagon day on line.			
BROAD GAUGE	120.74	137.58	13.95
METRE GAUGE	0.00	0.00	0.00

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.

Display through CCTV is 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 by Division

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

Action by Diesel sheds :

1. Identifying locos of high SFC (during load box test) and taking immediate action to reduce the fuel consumption.
2. 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.

VI. वाणिज्य/COMMERCIAL

I. Revision of Passenger Fares :

1. Fare structure for Tejas-Rajdhani Trains :-

Based on the commercial Circular No. 3 of 2021 Dated 12th February 2021, the Advance Rates Notification for Rate Advice 3 of 2021 dated 01st March 2021 (Coaching No. 12/21) has been issued. Ministry of Railways have decided to introduce Tejas-Rajdhani type service with upgraded facilities between Anand Vihar and Agartala by replacing the rake of 20501/20502 Anand Vihar Agartala Rajdhani Express. The fare structure for Tejas-Rajdhani services shall be as under :

Class wise base fare Tejas-Rajdhani service shall be 5% higher than the base fare of Rajdhani service for the respective classes. The fare table for the said service is attached herewith.

All the provisions of Flexi Fare scheme shall also be applicable for this new type of service.

Other charges like reservation fee, superfast surcharge Catering charge (presently suspended), GST, other charges etc. as applicable shall be levied separately. Whenever prepaid catering service shall be started with option the charges notified for Tejas trains shall be made applicable.

All other terms and conditions shall be same as applicable for Rajdhani train service.

Above fare for new rake Tejas-Rajdhani shall be implemented from no booking or Advance reservation period date whichever is earlier and no difference of fare of fare shall be collected from already booked passengers.

The above fare structure shall also be applicable for all Tejas-Rajdhani type of service to be introduced in future.

Fairs and Melas : Nil

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 2020-2021.

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 30-11-2021.

Classification of Commodities:

- (1) With effect from 30.07.2020, the Commodity "**Potassium Magnesium Sulphate**" has been classified as Class 130 A with Packing Condition with Packing Condition P1(a) under RR Risk Rate.
- (2) With effect from 05.08.2020, the Commodity "**Salt for Industrial use**" has been classified as Class 100 A with Packing Condition P1 & P2 under OR Risk Rate.
- (3) With effect from 23.09.2020 to 22.09.2021 (for one year), the Commodity "**Viscose Stable Fibre**" has been classified as Class 100, with Packing Condition P3 under OR Risk Rate.
- (4) With effect from 08.11.2020, the Commodity "**Bed Ash**" has been classified as Class 120A, with Packing Condition P2(a) under OR Rate.
- (5) With effect from 01.12.2020, the Commodity "**Pet Coke Cinder**" has been classified as Class 145 A with Packing Condition P2(a) under OR Risk Rate.
- (6) With effect from 16.12.2020, the Commodity "**Coriander (Dhania) seeds**" has been classified as Class LR3, with Packing Condition P1 under RR Risk Rate.
- (7) With effect from 16.10.2020 to 15.10.2021 (one year) the commodities :**Petroleum Coke**", **Raw Petroleum**", **Calcined Petroleum Coke**" has been under new Group No. 8.1 and **"Coal and Coke, other than Petroleum Coke"** has been classified under new Group No. 8.2 as Class 145A, with Packing Condition P2 (a) and OR Risk Rate.

- (8) With effect from 21.01.2021, the Commodity "**Talc Powder**" has been classified as Class 145, with Packing Condition P2 (a) under RR Risk Rate.
- (9) With effect from 06.02.2021, the Commodity "**Iron Ore Rejects**" has been classified as Class 165, with Packing Condition P2 (a) under RR Risk Rate.
- (10) The classification of "**Red Mud**" classified as Class 120 with effect from 30.04.2020 to 31.03.2021 has been continued to be charged under class 120 beyond 31.03.2021 for a period of one year i.e. upto 31.03.2022.

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.

13. REFUNDS ON GOODS TRAFFIC

Sl. No.	Description	April-March	
		2019-20	2020-21
01	Number of cases carried for from previous year	188	179
02	Number of cases received/ re-opened during year	206	367
03	Number of cases disposed off during the year	221	475
04	Number of cases on hand at the end of the year and carried forward to next year	173	71
05	Number of cases outstanding for over 6 months	120	12
06	Number of cases outstanding for below 6 months	53	59

Registration of refund claims during April 2020 to March 2021 is 367 as against 206 during April 2019 to March 2020.

The number of refund cases pending at the end of March 2021 is 71 as against 173 at the end of March 2020.

The number of cases pending over 6 months is 12 at the end of March 2021 as against 120 at the end of March 2020.

The number of cases pending below 6 months is 59 at the end March 2021. as against 53 at the end March 2020.

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.

7. The Scheme was not in force in 2020-21

8. Schemes :- Introduction of Freight intensive.

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

Liberalized Automatic Freight Rebate Scheme for Traffic Loaded in Traditional Empty Flow Direction (TEFD)

Board with the objective to reduce the Empty Running Ratio on IR and to garner additional revenue for the Railways by a suitable pricing mechanism based on the discount in the TEFD, whereby automatic rebate for the computerized FOIS system shall become available to customers offering traffic in inter-zonal/intra-zonal traditional empty flow direction introduced the scheme with effect from 01.01.2017 and valid to up to 31.03.2022.

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 to up to 31.03.2022.

Incentive Scheme for Loading Bagged Consignment in Open and Flat Wagons

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

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, 0.31 lakh tonnes were moved fetching revenue of Rs. 1.55 crores under the Scheme during the year 2020-21.

10-A CLAIMS REGISTRATION :

Year	Parcels	Goods	Total
2020-21	25	236	261
2019-20	59	225	284

10-B Claims Performance :

Details	2020-21	2019-20
Opening Balance	49	30
Registration	261	284
Re-opened	13	21
Total	323	335
No.of cases paid	14	20
No.of cases repudiated	299	266
Total disposal	313	286
Closing Balance	10	49
Amount paid (Excl.Court cases) (Rs. in lakhs)	7.71	1.94
Amount paid in court cases (Rs. in lakhs)	0.0	0.38
Total amount paid (Rs. in lakhs)	7.71	2.32
Average time for disposal	74 Days	67 days

10-C CAUSEWISE ANALYSIS OF CLAIMS PAID

Claims paid On account of	Year	Number	Amount Rs. in lakhs.
Loss Other than theft	2020-21	13	0.95
	2019-20	19	0.72
Theft of complete packages	2020-21	—	—
	2019-20	—	—
Pilferages	2020-21	—	—
	2019-20	—	—
Damage	2020-21	1	6.76
	2019-20	1	1.22
Delay in transit	2020-21	—	—
	2019-20	—	—
Breakage	2020-21	—	—
	2019-20	—	—
Leakage	2020-21	—	—
	2019-20	—	—
Others	2020-21	—	—
	2019-20	—	—
Total	2020-21	14	7.71
	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 ..	2020-21	1	6.76
	2019-20	0	(public account) 0.72 (govt. account)
(b) Iron & Steel ..	2020-21	..	..
	2019-20	..	..
(c) Cotton piece goods ..	2020-21	1	0.01
	2019-20	1	0.02
(d) Chemicals & Manure ..	2020-21	..	..
	2019-20	..	..
(e) Coal & Coke ..	2020-21	..	..
	2019-20	..	..
(f) Tea ..	2020-21	1	0.02
	2019-20	0	0
(g) P. O. L. ..	2020-21	0	0
	2019-20	0	0
(h) Perishable ..	2020-21	..	..
	2019-20	1	0.01
(i) Oil Seeds ..	2020-21	1	0.53
	2019-20	..	..
(j) Others ..	2020-21	10	0.39
	2019-20	18	1.19
Total ..	2020-21	26	7.71
	2019-20	20	1.94

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

Details	2019-20	2020-21	% Variation
Opening Balance ..	294	288	-2%
Registration ..	49	50	2%
Transferred cases ..	..	..	..
Total ..	343	338	-15%
Settled out of court ..	..	..	..
Decreed ..	40	20	-50%
Dismissed ..	15	22	47%
Others ..	..	21	-100%
Total ..	55	63	15%
Closing Balance ..	288	275	-5%

10. (f) COURT CASES TREND (BENCHWISE, EXCLUDING ACCIDENT CASES) DURING 2020-21 CDRF & Claims

RCT	Opening Balance	Registration	Total	Disposal	Closing Balance
RCT/MAS	..	01	01	01	..
RCT/ERS	01	..	01	..	01
Other Railway RCT Cases	31	..	31	19	12
Civil Suits	..	..	..	..	-
Consumer Forum cases	236	48	284	30	254
Appeal cases in High Courts & Supreme Court	20	1	21	13	8
Total	288	50	338	63	275

10 (g) ACCIDENT CASES (SECTION 124) DURING THE YEAR 2020-21

RCT	Opening Balance	Registration	Total	Disposal	Closing Balance
RCT/MAS	..	..	..	..	..
RCT/ERS	..	..	..	..	..
Other Railways RCT Cases	..	..	..	..	..
Appeal cases in High Courts	02	..	02	02	..
Total	02	..	02	02	..

10. (H) ACCIDENT CASES (SECTION 124-A) DURING THE YEAR 2020-21

RCT	Opening Balance	Registration	Total	Disposal	Closing Balance
RCT/MAS	145	104	249	80	169
RCT/ERS	55	35	90	16	74
Other Railways RCT Cases	63	9	72	17	55
Appeal cases in High Courts	254	16	270	34	236
Total	527	164	681	147	534

10 (I) P. S. Us(Government Cases 2020-21)

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

10 (J) CAUSE -WISE AND COMMODITY WISE ANALYSIS OF CLAIMS PAID IN COURT DURING 2020-21

Cause	Commodity	Amount in Rs.
..	..	..

11. CLAIMS PREVENTION – PREVENTIVE MEASURES**11-A.N.R. CELL**

During 2020-21 total of 65 wagon load consignments were disposed off by the NR Cell averting claims to the tune of Rs. 810.00 lakhs. 110 parcel consignments were also disposed off during the same period saving an amount of Rs. 9.46 lakhs.

The performance of NR Cell during the year 2020-21 compared to the corresponding period of the previous year is furnished below:-

Details	Wagon Loads		Parcels	
	2019-20	2020-21	2019-20	2020-21
Opening Balance	17	15	7	14
Registration	141	58	540	102
Total	158	73	547	116
Disposal	143	65	533	110
Closing Balance	15	08	14	06
Amount saved (Rs. in lakhs)	1,710	810.00	64.50	9.46

11 (b) C. P. Checks :

During the year 2020-21, Commercial Officer/ Headquarters, Divisions and Inspectors have conducted 572 claim prevention Checks of Major Stations, Parcel Offices and Goods Sheds over Southern Railway. In addition 2 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	2020-21
Opening Balance	288	257
Registration	627	511
Total	915	768
Disposal	658	477
Closing Balance	257	291

12. (b) Auction at lost property offices – 2020-21

LPO	Opening Balance	Registration	No. of Auctions conducted	No. of items disposed through Auction	Amount realised ₹
MAS	136	310	7	274	12,45,556
ED	7	30	5	35	2,88,686
CBE	1	18	2	17	8,769
CLT	48	44	3	30	36,295
ERS	6	44	2	50	89,266
TVC	24	13	—	5	—
QLN	6	—	—	4	—
MDU	9	21	2	18	16,645
TPJ	20	31	1	44	28,974
Total	257	511	22	477	17,14,191

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

During the year 2020-21, a total number of 24,119 cases have been registered over Southern Railway and 24,115 cases have been disposed off. As compared to corresponding period of the previous year 2019-20, there is a decrease of 69% in the cumulative receipt and 66% in cumulative disposal in the year 2020-21. The number of pending Coaching Refund cases over Southern Railway at the end of March 2021 is 4 cases which is all time record low. The average time taken for disposal has been brought down to 3 days in the month of March 2021.

Comparative details of Refund claim dealt within the Refund Offices over Southern Railway during the year 2019-20 and 2020-21 is shown in the next page No.196.

STATEMENT SHOWING DISPOSAL OF REFUND CASES FOR THE PERIOD 2020-21																												
Month & year	Opening Balance			Receipt				Re-opened				Total for disposal				Disposal				Closing Balance				Amount Refunded (in Lakhs)				
	Normal Ticket	e - Ticket	Total	Normal Ticket	F - Ticket	e - Ticket	Total	Normal Ticket	F - Ticket	e - Ticket	Total	Normal Ticket	F - Ticket	e - Ticket	Total	Normal Ticket	F - Ticket	e - Ticket	Total	Normal Ticket	F - Ticket	e - Ticket	Total	Normal Ticket	F - Ticket	e - Ticket	Total	
Mar.20	131	0	2238	2369	0	0	6	6	0	0	3	3	131	0	2247	2378	0	0	81	81	131	0	2166	2297	0.00	0.00	0.00	0.00
May 20	131	0	2166	2297	179	0	106	285	0	0	3	3	310	0	2275	2285	50	0	932	932	260	0	1343	1603	0.04	0.00	3.05	3.09
	-	-	-	-	179	0	112	291	0	0	6	6	-	-	-	-	50	0	1013	1063	-	-	-	-	0.04	0.00	3.05	3.09
June20	260	0	1343	1603	1374	0	405	1779	0	0	1	1	1634	0	1749	3383	760	0	436	1196	674	0	1313	2187	1.35	0.00	1.52	2.87
	-	-	-	-	1553	0	517	2070	0	0	7	7	-	-	-	-	810	0	1449	2259	-	-	-	-	1.39	0.00	4.57	5.96
July20	874	0	1313	2187	1163	0	124	1287	0	0	0	0	2037	0	1437	3474	730	0	1408	2138	1307	0	29	1336	1.29	0.00	9.15	10.44
	-	-	-	-	2716	0	641	3357	0	0	7	7	-	-	-	-	1640	0	2857	4397	-	-	-	-	2.58	0.00	14.48	20.76
Aug.20	1307	0	29	1336	1410	0	337	1747	0	0	1	1	2117	0	367	3084	1160	0	290	1450	1557	0	77	1634	3.60	0.00	0.76	4.36
	-	-	-	-	4126	0	978	5104	0	0	8	8	-	-	-	-	2700	0	3147	5847	-	-	-	-	6.28	0.00	14.48	20.75
Sep.20	1557	0	77	1634	1314	0	564	1576	0	0	2	2	2071	0	643	3514	2467	0	608	3075	404	0	35	439	9.07	0.00	3.11	12.18
	-	-	-	-	5440	0	1542	6982	0	0	10	10	-	-	-	-	5167	0	3755	6922	-	-	-	-	15.35	0.00	17.59	32.34
Oct.20	404	0	35	439	1141	0	788	1929	0	0	0	0	1545	0	823	2368	1357	0	728	2085	188	0	95	283	5.34	0.00	1.06	6.42
	-	-	-	-	6581	0	2230	8911	0	0	10	10	-	-	-	-	6524	0	4483	11007	-	-	-	-	20.69	0.00	13.87	39.36
Nov.20	188	0	95	283	858	0	1425	2283	27	0	1	28	1073	0	1521	2594	917	0	1427	2344	156	0	94	250	6.34	0.00	3.14	12.48
	-	-	-	-	7439	0	3755	11194	27	0	11	38	-	-	-	-	7441	0	5910	13351	-	-	-	-	30.03	0.00	21.81	51.84
Dec.20	156	0	94	250	708	0	2316	3024	0	0	11	11	864	0	2421	3285	725	0	2316	3041	139	0	105	144	9.45	0.00	5.26	14.71
	-	-	-	-	8147	0	6071	14218	27	0	22	49	-	-	-	-	8166	0	8226	16392	-	-	-	-	39.48	0.00	27.07	66.35
Jan.21	139	0	105	244	365	0	1893	2258	33	0	3	36	537	0	2001	2538	449	0	1789	2238	88	0	212	300	4.87	0.00	2.51	7.45
	-	-	-	-	8512	0	7964	16476	60	025	85	-	-	-	-	-	0	-	10015	18630	-	-	-	-	44.35	0.00	29.68	74.03
Feb.21	88	0	212	300	387	0	1792	2179	24	0	1	25	499	0	2005	2504	452	0	1778	2230	47	0	227	274	4.47	0.00	4.51	8.96
	-	-	-	-	8899	0	9756	18666	84	0	26	110	-	-	-	-	0	11793	20860	-	-	-	-	44.82	0.00	34.19	83.01	
Mar.21	47	0	227	274	360	0	2605	2965	12	0	8	20	419	0	2640	3259	419	0	2836	3255	0	0	4	4	2.83	0.00	8.78	11.41
	-	-	-	-	9259	0	12361	21620	96	0	34	130	-	-	-	-	9486	0	14629	24115	-	-	-	-	51.45	0.00	42.97	94.42

Coaching Refund Statement for period ending 31-03-2021

(in units)

Head	Normal ticket	I-ticket	E-ticket	Total
Month				
1. Opening Balancing as on 1st of the Month	47	0	227	274
2. Fresh registration during the month	360	0	2605	2965
3. No. of cases re-opened	12	0	8	20
4. Total No. of cases disposal	419	0	2840	3259
5. Cases disposed off	419	0	2836	3255
6. Closing Balance as on last day of the month	0	0	4	4
7. Amount Refunded (in lakhs)	2.63	0.00	8.78	11.41
Cumulative				
1. Opening Balancing as on 1st April 2020	131	0	2238	2369
2. No. of new cases received during period	9259	0	12361	21620
3. No. of cases re-opened	96	0	34	130
4. Total No. of cases for disposal	9486	0	14633	24119
5. Cases disposed off	9486	0	14629	24115
6. Closing Balance at the end of period	0	0	4	4
7. Amount Refunded (in lakhs)	51.45	0.00	42.97	94.42

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
2019-20	6,84,925	9,87,007	16,72,932	8,48,27,219	42,96,08,981	71,44,36,200
2020-21	2,65,853	3,863	2,69,716	12,76,15,291	15,25,923	12,91,41,214

15. The details of Ticket checking performance for the year 2020-21 :

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	2,65,853
2.	No. of passengers found travelling with irregular ticket	3,863
3.	No. of cases Unbooked luggage	8,136
4.	Total No. of cases from (1), (2) and (3)	2,77,852
5.	Total Penalty Earnings from (1), (2) and (3)	13,16,35,218
6.	Gross Ticket Checking Earnings including Non-Penalty Earnings	14,65,03,388
7.	No. of passengers prosecuted	1,252
8.	No. of passengers imprisoned	0
9.	No. of passengers fined	1,252
10.	No. of passengers let off	0
11.	Amount of Judicial Fine realised	5,90,770
12.	No. of Mendicants ejectd	245
13.	Total cost incurred on Ticket Checking Staff	1,44,98,56,989

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	Dolomite	..	..	56	4.89
2	Limestone	..	..	1,852	123.93
3	Wood	..	..	1	0.03
4	Iron & steel	..	..	5	0.14
5	Gypsum	..	..	261	18.89
6	Chemical Manure	..	..	1,673	168.73
7	Container	..	..	95	4.8
8	Bauxite	..	..	4	0.61
9	Coal	..	..	6,066	359.72
10	Palmoil	..	..	11	1.48
11	Iron ore	..	..	61	4.12
12	Slag	..	..	12	0.48
	Total	..	..	10,097	687.82

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

Type of traffic	Tonnes in 000's		Earnings (Rs. In crores)	
	2019-20	2020-21	2019-20	2020-21
a. High Rated Traffic	167	60	9.37	5.45
b. Programmed Traffic	27302	21474	2170.03	1704.68
c. Low Rated Traffic	23828	2394	170.11	147.71
d. Other revenue Traffic	1906	2926	204.84	304.97

3. The originating goods loading over Southern Railway during 2020-21 was 26.906 million tonnes as against 31.970 million tonnes during 2019-20. Similarly, the originating goods revenue during 2020-21 was Rs.2,206.58 crores as against Rs. 2,535.25 crores during 2019-20.

4. Increase in Loading of commodities :

There was considerable increase in loading under the following commodities in 2020-21 compared to 2019-20.

Sl. No.	Commodity	2019-20 Tonnes	2019-20 Earnings in lakhs	2020-21 Tonnes	2020-21 Revenue in lakhs
1	Foodgrains	10,36,615	48.54	17,61,441	81.85
2	Fertilizers	35,86,382	428.66	44,33,734	505.37
3	POL	43,73,505	442.93	37,79,962	343.66

5. Automobile Traffic :

As a result of continuous liaison and effective marketing contacts with Automobile Traders, Southern Railway has moved 544 rakes with revenue of Rs.134.63 Crores during 2020-21 as against 402 rakes with revenue of Rs. 100.19 crores during 2019-20.

6. Parcel

The originating parcel loading during 2020-21 was 1.45 lakhs of tonnes with an earnings of Rs.69.94 crores as against 2.96 lakhs of tonnes with earnings of Rs.119.99 crores during 2019-20.

Under SLR, round trip VPH leasing scheme and round trip parcel Cargo Express train, Southern Railway had earned Rs. 14.22 Crores during the year 2020-21 as against Rs. 38.37 crores during the year 2019-20.

VII. यांत्रिक इंजीनियरी/MECHANICAL ENGINEERING

1. Stock on Line

The particulars of Rolling Stock on line owned at the end of March 2021 as compared to the previous year :—

(a) Coaching Stock

As on 31st March 2021	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 2019–2020	6780	297	124	7201	35	4	—	39
Current year 2020–2021	6829	297	115	7241	43	4	—	47

(b) Steam Loco and DEMU Stock

(c) Wagon Stock

As on 31st March 2021				As on 31st March 2021	Travelling Cranes							
Meter Gauge (NMR)		Broad Gauge			Wagon B.G.	in units M.G.	Broad Gauge			Meter Gauge		
Steam Locos		DPC	DTCs/TCs				Steam	Diesel	Hand	Steam	Diesel	Hand
Previous year 2019–2020	8	33	100	Previous year 2019–2020	9535	–	–	–	–	–	–	–
Current year 2020–2021	8	33	100	Current year 2020–2021	9533	–	–	–	–	–	–	–

2. Additions/Renewal

Particulars				BROAD GAUGE		METRE GAUGE	
				Additions	Replacement	Additions	Replacement
Steam Loco	..	..	..	..	..	..	..
Steam	..	..	..	..	..	..	..
Diesel	..	..	..	..	..	..	..
Electric	..	..	..	..	..	..	..
Coaches	..	..	..	236	..	8	..
Transferred from other Railways to SR	..	..	..	..	..	..	..
Transferred from SR to other Railways	..	..	..	61	..	..	..
Wagons	..	..	..	154	..	..	..

3. Wagon Built by Wagon Building Firms and Railway Workshop 2020–21

Name of the firm	Type	No. in vehicle units	No. in 4-wh units
B.G. Stock			
M/s. Cimmco Ltd.	BTPN	15	—
M/s. Hindustan Ltd.	BOBSN	40	—
M/s. Modern Industries Ltd.	BCNAHSMI	35	Nil
M/s. Titagarh Kolkatta	BOXNHL	64	—
Total		154	Nil
M.G. Stock			
	Nil	Nil	Nil

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4. Steam Locomotives Online with their Tractive efforts

(a) Steam Locos

As on 31st March 2021	Broad Gauge		Metre Gauge	
	No.	Total Tractive Efforts (Kgs.)	No.	Total Tractive Efforts (Kgs.)
Previous Year 2019-2020	..	..	8	97,432
Current Year 2020-2021	..	..	8	97,432

(b) Diesel Power Car

As on 31st March 2021	Number of DPC	Tractive Effort (in Kgs.) Continuous	Total Tractive Effort (in Kgs.)
Previous Year 2019-2020	10	11900	119000
	23	15400	354200
Total	33	27300	473200
Current Year 2020-2021	10	11900	119000
	23	15400	354200
Total	33	27300	473200

6. Goods Vehicles and carrying capacity

As on 31st March current year 2019-21	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	5193	..	3069	..	581	690	9533
Metre Gauge (incl. N. M. Railway)	..	..	..	..	..	..	..

7. Travelling Cranes

As on 31st March 2021	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 2019-20	..	..	6	140T X 6	..	..
Broad Gauge Current year 2020-21	..	..	6	140T X 6	..	..
Metre Gauge Previous year 2019-20.	..	..	..	..	..	..
Metre Gauge Current year 2020-21.	..	..	..	..	..	..

8. Rolling Stock by Age Group

(a) Locomotives (Steam)

Age Group	Broad Gauge				Metre Gauge			
	Previous Financial Year 2019-2020		Current Financial Year 2020-2021		Previous Financial Year 2019-2020		Current Financial Year 2020-2021	
	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

5. Coaches Vehicles and seating capacity (Except EMU)

As on 31st March current year 2020-21	Pass. Coaches (No. in units)	Other Coaching Vehicle (No. in units)	Total Seats/berths			
			Air condition	I Class	II Class Berths	Seats
Broad Gauge	6,829	297	..	..	..	..
MG (N. M. Railway)	45	2	..	..	..	..

8(b) Passenger Coaches

Age Group Years	Broad Gauge				Metre Gauge			
	Previous Financial Year 2019-20		Current Financial Year 2020-21		Previous Financial Year 2019-20		Current Financial Year 2020-21	
	No.	%	No.	%	No.	%	No.	%
1 to 5	1867	27.30	1783	24.97	14	31.5	22	46.80
6 to 10	1672	24.46	1877	26.29	..	..	..	..
11 to 15	1199	17.53	1132	15.86	1	2.5	1	2.12
16 to 20	1084	15.86	1168	16.36	..	..	..	..
21 to 25	1006	14.72	1069	14.96	24	62.0	24	51.08
25 to 30	9	0.13	112	1.56	..	..	..	..
Total	6837	100.00	7141	100.00	39	100.00	47	100.00

8(c) Wagons

General Services

Age Group Year	Broad Gauge				Metre Gauge			
	Previous Financial Year 2019-2020		Current Financial Year 2020-2021		Previous Financial Year 2019-2020		Current Financial Year 2020-2021	
	No.	%	No.	%	No.	%	No.	%
1 to 5	1280	13.42	1425	15.0	—	—	—	—
6 to 10	176	1.85	161	1.5	—	—	—	—
11 to 15	663	6.95	688	7.0	—	—	—	—
16 to 20	1704	17.88	553	6.0	—	—	—	—
21 to 25	3747	39.30	4898	51.0	—	—	—	—
26 to 30	1640	17.20	1512	16.0	—	—	—	—
31 to 35	325	3.40	295	3.5	—	—	—	—
Total	9535	100.00	9533	100.00	—	—	—	—

9. Rolling Stock on line**(a) Overaged Steam Locomotives on line as on 31st March 2021**

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 2020–2021.

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	..	..	(&)	..	..	..
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 2021 —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 2020-2021		
		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

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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 2020-2021		
	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 & e) Overaged wagon stock on line as on 31st March 2021 (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 2020-2021		
		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 2019-2020	580	555	7	0
Number put on line during the year 2020-2021	236	154	8	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 2019-20	123	3.47	72	-	51	4.12	-	2.54
2020-21	83	4.79	25	-	61	5.38	-	2.87

g. Shed wise Yearly Outage 2020–21 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-20	149.95	181.16	97.00	35.32	463.43	157.50	190.51	97.00	33.45	478.46
May-20	149.95	181.16	97.00	35.32	463.43	159.58	188.10	97.00	34.90	479.58
Jun-20	149.95	181.16	97.00	35.32	463.43	161.29	187.66	97.00	35.40	481.35
Jul-20	149.95	181.48	90.42	42.20	463.55	159.15	187.64	86.03	41.38	474.20
Aug-20	150.51	183.06	85.00	47.86	466.43	156.77	189.92	80.00	47.38	474.07
Sep-20	151.47	184.03	85.40	47.86	468.76	158.31	192.64	79.43	48.09	478.47
Oct-20	151.47	184.06	86.84	47.86	470.23	159.00	195.75	80.10	50.06	481.91
Nov-20	143.20	184.42	87.00	59.09	473.71	148.08	195.18	76.53	64.92	484.71
Dec-20	138.14	187.22	87.00	64.48	476.84	141.73	200.12	77.06	71.65	490.56
Jan-21	137.07	193.40	87.00	64.48	481.95	141.65	204.70	77.35	70.26	493.96
Feb-21	138.40	197.75	89.18	65.45	490.78	144.31	206.41	81.93	67.53	500.18
Mar-21	142.85	194.24	90.00	68.11	495.20	150.23	205.64	84.90	67.29	508.06
Total	..	..	..	..	..	..	..	..	..	..
Average	146.03	186.10	89.90	51.11	473.15	153.13	195.11	84.53	52.69	485.46

10. Diesel Locomotives 2020–21

(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	77	31920	2457840	
WDG4	31	53000	1643000	
WDG4D	4	54000	216000	
WDM2	5	24600	123000	
WDM2C (WDM 3A)	66	28050	1851300	
WDM3D	51	25950	1323450	
WDP2 (WDP 3A)	9	19950	179550	
WDP4B / WDP4D	55	39200	2156000	
WDM7	14	21500	301000	
WDS6	20	26600	532000	
TOTAL DSL ELEC. LOCOS	332		10783140	32890

(b) Tractive Efforts (MG) 2020–21

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.)
2019 – 20	..	338	10947860	5	94675
2020 – 21	..	332	10783140	5	94675

(d) Diesel Locomotives

As on	Locomotives		
	BROAD GAUGE		METRE GAUGE
	Dsl. Locos	Dsl. HYD. Locos	Dsl. Locos
31 st March			
2019 – 20	..	338	0
2020 – 21	..	332	0

(e) Additions / Renewal 2020–21

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	
	2019 – 20	Broad Gauge
	2020 – 21	45.41
		41.09

(g) 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. 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	-	-	0	0	-	-	
Total	327.42	25.40	7.77	5.64	1.70	-	-	19.76	6.03	-	-	
M.G. 2019-2020												
Diesel Electric	5.00	0	0	0	0	-	-	0	0	-	-	
Diesel Hydraulic	-	-	-	-	-	-	-	-	-	-	-	
Total	5.00	0	0	0	0	-	-	0	0	-	-	
B.G. 2020-2021												
Diesel Electric	319.67	24.38	7.65	1.64	0.54	-	-	22.74	6.03	-	-	
Diesel Hydraulic	0	0	0	0	0	-	-	-	-	-	-	
Total	319.67	24.38	7.65	1.64	0.54	-	-	22.74	6.03	-	-	
M.G. 2020-2021												
Diesel Electric	5.00	0	0	0	0	-	-	0	0	-	-	
Diesel Hydraulic	-	-	-	-	-	-	-	-	-	-	-	
Total	5.00	0	0	0	0	-	-	0	0	-	—	

(h) Diesel Locomotives turned out after repairs from Workshops

Gauge	Activity	2019-20					2020-21					DPC
		POH	IOH	BG Conversion	Special Repair	Special Repairs M 24	POH	IOH	BG Conversion	Special Repair	Special Repairs M 24	
BG	FOREIGN	65	-	-	3	-	19	9	-	2	-	-
	HOME	29	3	-	8	-	04	-	-	-	-	10
	PSU	24	-	-	-	-	13	4	-	-	-	-
	UTES	-	-	-	-	-	-	-	-	-	02	-
	IRCON	-	-	-	-	-	-	-	-	-	-	-
	TOTAL	118	3	-	11	-	36	13	-	02	02	10
MG	HOME	-	-	-	-	-	-	-	-	-	-	-
	FOREIGN	-	-	-	-	-	02	-	-	-	-	-
	TOTAL	-	-	-	-	-	02	-	-	-	-	-

POH – Periodical Overhauling, IOH– Intermediate Overhauling

(i) Locomotives Overdue repairs : NIL

(j) Diesel Locomotives (Service Base Outage – Passenger and Goods) 2020-2021

Month and Year	Target					Actual				
	ED	GOC	ERS	TNP	Total	ED	GOC	ERS	TNP	Total
Apr-20	9.70	24.90	0.00	0.00	34.60	1.22	11.00	0.95	0.00	13.17
May-20	9.70	24.90	0.00	0.00	34.60	5.87	12.22	0.30	0.00	18.39
Jun-20	9.70	24.90	0.00	0.00	34.60	8.20	14.41	0.32	0.04	22.97
Jul-20	9.70	24.90	0.00	0.00	34.60	8.07	13.15	0.21	0.00	21.43
Aug-20	9.70	24.90	0.00	0.00	34.60	10.92	10.17	0.21	0.00	21.30
Sep-20	9.80	25.60	0.00	0.00	35.40	11.31	9.25	0.32	0.01	20.89
Oct-20	7.30	25.60	0.00	0.00	32.90	7.01	12.76	0.07	0.19	20.03
Nov-20	0.00	20.50	0.00	0.00	20.50	2.96	6.32	0.03	0.33	9.64
Dec-20	0.00	21.30	0.00	0.00	21.30	8.27	14.55	0.11	0.18	23.11
Jan-21	0.00	20.60	0.00	0.00	20.60	8.04	20.17	2.62	0.00	30.83
Feb-21	0.00	20.60	0.00	0.00	20.60	9.93	23.28	1.10	0.00	34.31
Mar-21	12.40	22.60	0.00	0.00	35.00	8.27	17.90	1.09	0.01	27.27
Total	78.00	281.30	0.00	0.00	359.30	90.07	165.18	7.33	0.76	263.34
Avg.	6.50	23.44	0.00	0.00	29.94	7.51	13.77	0.61	0.06	21.95

VIII. बिजली इंजीनियरी/ELECTRICAL ENGINEERING

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

The following are the figures pertaining to the years 2019-20 and 2020-21. (in Million units)

Energy Purchase from State Electricity Board in million Unit	Purchase		Total	
	2019-20	2020-21	2019-20	2020-21
(a) General Service				
(i)Tamil Nadu ..	84.478	70.209	..	..
(ii)Andhra Pradesh ..	0.696	0.571	..	..
(iii)Karnataka ..	1.801	1.289	100.691	82.316
(iv)Kerala ..	13.416	10.248	..	..
(b) Traction Services				
(i)Tamil Nadu ..	925.70	548.57	..	..
(ii)Andhra Pradesh ..	302.21	46.24	..	..
(iii)Karnataka ..	..	..	1305.830	735.317
(iv)Kerala ..	74.39	140.50	..	..
Total	..	0	1406.521	817.633

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	2019-20	2020-21
(i) Energy Purchase	In Million kWh	1406.521	817.633
(ii) Total Cost	(₹ in Crores)	1084.039	761.708
(iii) Average rate per kWh		7.71	8.84

3. Energy and Amount particulars of traction and non-traction : (amount in Rs. Crores)

Description	Year	
	2019-20	2020-21
Traction consumption in Million units	1305.830	735.317
Non-Traction consumption in Million units	100.691	82.316
Total in million units	1406.521	817.633
Traction amount paid Rs. in crores	1002.990	693.75
Non-Traction amount paid Rs. in crores	81.049	67.958
Total in crores	1084.039	761.708
Traction average rate Rs./kWh	7.68	9.43
Non-Traction average rate Rs./kWh	8.05	8.26
Total average	7.71	8.84

4. Analysis of total electrical energy consumed for various services in terms of percentage of the total energy purchase 2020-21

Energy Consumed	Percentage
a. Major workshops (7.352 Million Units)	.. 0.899
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 (7.671 mu)	.. 0.938
(ii) Service Buildings (38.445 mu)	.. 4.701
(iii) Yard lighting (1.666 mu)	.. 0.204
(iv) Hospital (4.891 mu)	.. 0.598
c. Staff quarters and staff welfare buildings, (22.290 mu).	.. 2.726
Traction Services (735.317 Million Units)	.. 89.932

5. Generating and Purchasing Stations as on 31st March 2021.

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	210	25972	87	3469

6. Electrical Traction Distribution (2020-21)

		Upto 31st March 2020	Upto 31st March 2021
1. Total Route km. Electrified	..	3,419	3,605.77
2. Total Track km. Electrified	..	7,459	7,871.51

7. Railway Electrification Project

a. CRS Inspection details of TRD assets 2020-21

Sl No	Section	RKM	TKM	Executing Organization	Date of CRS inspection	Date of CRS authorization	Date of commissioning	Remarks
1.	Guduvancheri-Singaperumal Koil 3rd line.	..	11.07	CN	29-09-20	30-09-20	07-10-20	
2	Singaperumal Koil - Chengalpattu 3rd line.	..	8.36	CN	03-03-21	06-03-21	17-03-21	
3	Mecheri Road - Merrur Dam	..	16.303	CN	28-09-20	30-09-20	16-10-20	
4	Omalar - Mecheri Road Doubling.	..	13	CN	25-02-21	02-03-21	30-03-21	
5	Thiruvannur-Karaikal port	40.62	52.54	RE	23-05-20	29-05-20	29-05-20	
6	Mayiladuturai - Tanjavur.	67.73	79.648	RVNL	11-11-20	13-11-20	14-11-20	
7	Niadamangalam - Mannargudi.	13.98	15	RE	04-03-21	10-03-21	16-03-21	
8	Vriddhachalam - Cuddalore port.	55.48	60.11	RE	04-03-21	10-03-21	21-03-21	
9	Kovilpatti - Kadambur Doubling Work.	..	23	RVNL	26-02-21	02-03-21	02-03-21	
10	Gangaikondan - Tirunelveli Doubling Work.	..	15	RVNL	27-02-21	02-03-21	02-03-21	
11	Tirumangalam - Tulukkappatti Doubling.	..	48	RVNL	19/20-03/21	22-03-21	30-03-21	

b. Commissioning of Traction subststion 2020-21

S. No.	Group	Name of TSS	Executing Organization	Date of Commissioning
1	—	Cuddalore Port	RVNL	17-08-2020

8 (a) Details of Electrical Locomotives :

Particulars	Broad Gauge (average for the year)	
	2019-20	2020-21
(i) Total No. of Engine on line	504.69	538.87
(ii) No. of Engine in use (average per day)		
a. Goods Service	210.74	214.28
b. Passenger Service	293.95	324.59
c. Shunting	..	..
d. Departmental	..	..
e. Banking	..	..
f. Spare	2.46	..
Total average per day	456.96	485.45
(iii) Engine km/day/Engine in line.. ..	572	472
(iv) Engine km/Day/Engine in use.. ..	590	0
(v) Total No. of failure		
a. Passenger Service	72	25
b. Goods Service	51	61
(vi) Engine km/Engine failure		
a. Passenger Service	412130	537588
b. Goods Service	254268	287143
(vii) Total km (Passenger and goods service)	42640985	30955486

(b) Electrical Locomotive Stock :

The particulars of Rolling Stock on line owned at the end of March 2021 as compared to the previous year.

As on 31 st March 2021	Locomotives BG Loco
Holding as on 31-03-2020	528
Holding as on 31-03-2021	563

(c) Locomotives on line with their Tractive effort :

Particulars	Broad Gauge	
	Nos	Horse Power/Loco
Previous Year 2019-20		
WAP1 - 28		3800
WAP4 - 151		5050
WAG7 - 122		5000
WAG5A/HA- 88		3850
WAP7 - 139		6120
Current year 2020-21		
WAP1 - 28		3800
WAP4 - 151		5050
WAG7 - 122		5000
WAG5A/HA- 88		3850
WAP7 - 139		6120

(d) Electric Locomotive (BG) Age Group Years 2019-20 2020-21

Particulars	Nos	Percentage	Nos	Percentage
Less than 1 year	46	8.71	34	6.04
1 to 5 years	83	15.72	109	19.36
6 to 10 years	86	16.29	110	19.54
11 to 15 years	88	16.67	71	12.61
16 to 20 years	49	9.28	48	8.53
21 to 25 years	77	14.58	83	14.74
26 to 30 years	79	14.96	67	11.90
Above 30 years	201	3.79	41	7.28
Total	528	100.00	563	100.00

(e) Over aged rolling stock on lines :

a. Over aged BG Electric Locos on line as on 31st March – 2019 & 31st March 2020

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

Particulars	Broad Gauge	
	2019-20	2020-21
i. No. of Locomotives taken off on line	5	3
ii. No. of Locomotives placed on line	49	38
iii. No. of Locomotives permanently transferred from other Railways.	0	4
iv. No. of Locomotives permanently transferred to other Railway.	5	0

9. Electrical General Services Particulars

Particulars	2019-20	2020-21
(i) Generating, Converting and transforming Plants.	Nos. 337	331
Transformer capacity in kVA	171940	176765
(ii) Total connected loads of installations purchasing power from outside sources in kw. (in thousands).	189617	192385
(iii) Electrification of stations including block huts	735	727
(iv) Total No. of Motors (other than pump motors in service in major workshops, TL depots, divisional electrical repair shops, Printing Press, etc.,)	Nos. 3095	3031
Capacity	29051	27482
(v) Electrical driven pump	Nos. 1801	1801
(vi) Electrified Quarters	Nos. 19681	19351
Lights	103727	101154
Fans	42057	39088
Plugs	58590	59099
(vii) Service Buildings		
Lights	90364	87560
Fans	38306	38251
Plugs	57166	63115
(viii) AC plants and refrigeration's equipments		
AC Plants	Nos. 3462	3685
Capacity	Tons 6762	9167
Refrigerators	Nos. 242	196
Capacity	Ltrs. 47566	32167
(ix) Water coolers	Nos. 592	622
Capacity	Ltrs. 70693	73090
(x) Air Compressors	Nos. 114	117
Capacity of Motors in	HP 2200	2293
(xi) Welding sets	Nos. 913	909
Capacity in	Amps 140660	176075
(xii) Battery Chargers	Nos. 787	7437
Capacity in	Amps 421142	40782
(xiii) Other installations, Miscellaneous viz., Geysers, Water distilling plants etc.,	Nos. 1280	1370
(xiv) Flood light towers in yards—		
No. of Towers	426	426
Wattage	KW 590	590
(xv) Length of Transmission line (Other than Traction) km.		
HT OH	10.597	16.917
UG	166.06	166.06
LT OH	484.74	483.54
UG	1687.2	1694
(xvi) Power line Crossings	Nos. 2288	2288
(xvii) No. of lifts	90	101
(xviii) No. of Escalators	101	117
(xix) Solar panels capacity in kWp	4266	4823
(xx) Solar PUMP capacity in kWp	9.3	15

10. Financial Position-Electrical Department – 2020–21

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

(Figs. in Lakhs of ₹)

Demand Number and Description	Budget grant 2021-22	Final grant 2020-21
Demand No. 5		
Repairs and Maintenance of Motive Power (Electric Loco)	13,229	15,535
Demand No. 6		
Repairs and Maintenance of Carriages and Wagons- EMU, TL and AC	40,467	41,605
Demand No. 7		
Repairs and Maintenance of Plants and Equipments	23,652	25,570
Demand No. 8		
Operating Expenses-Rolling stock and Equipments	37,899	47,295
Demand No. 10.		
Operating Expenses-Fuel for Electric Traction	77,722	64,940
Demand No.11		
Staff Welfare and Amenities - Supply of Energy for Power & lighting (J 580)	2,567	2,937
Total	1,95,535	1,97,880

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 2021-22	Final grant 2020-21
1	Traffic Facilities (16)	0	4
2	Rolling Stock (21)	4446	3204
3	Road Safety work (29)	0	0
4	Other Electrical Works (36)	5284	4027
5	Machinery and Plants (41)	938	209
6	Staff Amenities (51)	114	88
7	Passenger Amenities (53)	1451	1533
8	Other Specified Works (64)	82	38
Total		12315	11620

IX. सिग्नल 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 2020	31st March 2021	31st March 2020	31st March 2021	31st March 2020	31st March 2021
	31st March 2020	31st March 2021	31st March 2020	31st March 2021	31st March 2020	31st March 2021						
BG	444	444	45	40	0	0	1	1	490	485	35	39
MG	0	0	1	1	5	5	2	2	8	8	0	0
TOTAL	444	444	46	41	5	5	3	3	498	493	35	39

(A) Summary as on 31-03-2021

Total No. of Inter-locked stations	444	+	41	+	-	-	5	=	490
Total No. of Non-Interlocked stations	-	-	-	-	-	-	-	=	3
Total No. of IBS	-	-	-	-	-	-	-	=	39
Total No. stations closed for Gauge conversion	-	-	-	-	-	-	-	=	5
Total No. of Block stations (including IBS)	-	+	-	+	-	-	-	=	537

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 2020 Gauge wise along with corresponding figures for 31st March 2021 are given below :—

Serial No.	System of Train Working	Broad Gauge		Metre Gauge		Total	
		31st March 2020	31st March 2021	31st March 2020	31st March 2021	31st March 2020	31st March 2021
1.	Single Line Token Instrument (No. of Block section)	..	..	8	8	8	8
2.	Tokenless Block Instrument (No. of Block section)	419	422	NIL	NIL	419	422
3.	Paper Line Clear Ticket	..	..	..	..	..	..
a.	Single Line	..	..	..	..	..	..
b.	Double Line	..	..	..	..	..	..
4.	Lock and Block Instrument (No. of Block section)	175	181	NIL	NIL	175	181
5.	Automatic Signalling in KMs.	..	..	..	..	..	..
a.	Track Kilometres	1056.45	1067.45	NIL	NIL	1056.45	1067.45
b.	Route Kilometres	423.93	423.93	NIL	NIL	423.93	423.93
6.	Intermediate Block Signalling in Kms. (Route Kilometres)	33.00	39.00	NIL	NIL	33.00	39.00
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 2021—

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	..	..	..	22
'B'-Route	..	15	132	3	2	7	159
'C'-Route	..	..	5	..	..	..	5
'D'-Route	..	..	80	..	115	..	195
'E'-Route	..	..	..	..	104	..	104
MG	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	485
iv Under Gage Conversion..	..	..	..	..	5	..	5
Total (i)+(ii)+(iii)+(iv)	23	231	3	232	7	498	

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	90	3	51	35	..	195
2.	Route Relay Inter-locking-RR	1	4	..	..	..	..	5
3.	Panel Inter-locking-PI or PI/RS	5	65	2	144	69	..	285
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	159	5	195	104	13	498
B.	Intermediate Block Signalling IBS	..	25	..	14	..	..	39
Total (A+B)		22	184	5	209	104	138	537

(E) (i) Classification of stations as on 31st March 2021

GAUGE	ROUTE	Special Class		'A' Class		'B' Class			'C' Class		'D' Class		'E' Class		Total
		Third/Double Line	Single Line	Double Line	Single Line	Double Line	Single Line/Twine Single Line	Single Line	Double Line	Single line/Twine Single Line	Double Line	Single Line	Double Line	Single Line	
		BG		BG		BG			MG		BG		BG		
BG	A	22	—	—	—	—	—	—	—	—	—	—	—	—	22
	B	46	—	—	—	103	6	—	—	3	1	—	—	—	159
	C	5	—	—	—	—	—	—	—	—	—	—	—	—	5
	D	10	—	—	—	71	114	—	—	—	—	—	—	—	195
	E	2	—	—	—	1	100	—	—	—	—	1	—	1	104
	MG	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	TOTAL	85	0	0	0	175	220	0	0	3	1	0	0	1	485
MG	S3	—	—	—	—	—	—	8	—	—	—	—	—	—	8
	TOTAL	—	—	—	—	—	—	8	—	—	—	—	—	—	8

(E) (ii) Summary of Classification of stations as on 31st March 2021—

BG	85	..	..	..	175	220	0	0	3	1	0	—	—	485
MG	..	..	..	..	..	..	8	..	..	..	..	—	—	8
Total Number of Stations														493

Total Number of Block working stations .. 493
 Total Number of Stations closed for Gauge Conversion .. 5
 Intermediate Block Signalling - IBS .. 39
 Grand Total .. 537

F. Total No. of Manned Gates as on 31st March 2021 - 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	190	346	48	171	19	93	27	75	167	739	451	1424	1875
b	Telephone	190	346	48	171	19	93	27	75	167	739	451	1424	1875

Total No. of Manned Gates as on 31st March 2021—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	45	96	11	35	6	24	4	6	33	78	99	239	338
(b)	Telephone	45	96	11	35	6	24	4	6	33	78	99	239	338
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	90	184	22	85	9	43	12	48	79	357	212	717	929
(b)	Telephone	90	184	22	85	9	43	12	48	79	357	212	717	929
5.	'E' Route—													
(a)	Lifting Barriers	47	54	13	44	4	25	11	20	50	284	125	427	552
(b)	Telephone	47	54	13	44	4	25	11	20	50	284	125	427	552
6.	MG Route—													
(a)	Lifting Barriers	0	0	0	1	0	0	0	1	0	0	0	2	2
(b)	Telephone	0	0	0	1	0	0	0	1	0	0	0	2	2

The summary of signalling works completed during the year under review.

(As on 31-03-2021)

Sl. No.	Description	No. of LCs completed during 2020-21	Total No. Lcs completed upto end of 2020-21	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 2021				
	Special Class	'A' Class	'B1' Class	'B2' Class	'C' Class
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
Total	4	16	73	9	390

(iii) Unmanned Gates.—As on 31st March 2021

Sl. No.	Section	No. of Unmanned Gates			
(1)	Single line	..	..	..	0
(2)	Double line	..	..	..	0
Total		..	..	..	0

2. Tele-communication Narrative Report—2020-21

(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	Route Kms

a) OFC + RE Quad Telecom Cables

1.	Chennai	Chennai Beach - Thirumayilai	8.66
2.	Palakkad	Walayar - Palakkad	6.25
3.	Palakkad	Palakkad - Shoranur	44.49
	Total		59.40

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 - Tiruvannamur - 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 - Udagamandalam	45.88
21.	Salem	Karur-dindigul	73.97
22.	Salem	Podanur - Kinathukadavu	24.81

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-	150.51
44.		Manamadurai	
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	42.00
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			4863.65

III. CONTROL SECTIONS

SNo	Divin.	Name of the Control	Sections
1	MAS (7)	TRL	Tiruvallur
2		KPD	Katpadi
3		JTJ	Jolarpettai
4		GDR	Gudur
5		RU	Renugunta
6		VM	Villupuram
7		SUBURBAN	CHENNAI BEACH - TAMBARAM, CHENNAI BEACH - VELACHERY
8	TPJ (4)	KPD	Kadpadi
9		BRANCH LINE	TIRUCHCHIRAPPALLI - THANJAVUR - THIRUVARUR - NAGORE, NAGAPATHANAM-VELANKANNI, MAYILADUTURAI- THIRUVARUR - KARAIKUDI
10		CHORD LINE	TIRUCHIRAPPALLI - VRIDDACHALAM - VILLUPURAM,
11		MAIN LINE	TIRUCHCHIRAPPALLI - THANJAVUR - KUMBakonam - MAYILADUTURAI - CUDDALORE, TIRUCHCHIRAPPALLI- TIRUCHCHIRAPPALLI FORT
12	MDU (4)	TPJ	Thiruchchirappalli
13		RMM	Rameswaram
14		SCT	Sengottai
15		TN	Thutukudi
16	SA (3)	KRR	Karur
17		SA	Salem
18		CBE	Coimbatore
19	PGT (3)	MAQ	Mangalore
20		CAN	Kannur
21		PGT	Palakkad
22	TVC (3)	TEN	Tirunelveli
23		QLN	Ernakulam
24		ERS	Shoranur

3A. 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	76 Nodes
2.	Internet Gateway Connection	4012 Mbps

PRS & UTS

Division	PRS Locations	UTS Locations	IUTS Locations
Chennai	39	114	8
Salem	17	48	22
Palakkad	30	45	19
Thiruvananthapuram	41	48	23
Tiruchchirappalli	25	84	12
Madurai	34	73	38
Total	186	412	122

III – PASSENGER AMENITIES

S.No.	Telecom Items	Numbers
1.	PC based PA system	153
2.	Clocks [QUARTZ]	570 Stations GPS clocks provided at 113 Stations
3.	Coach Guidance System	37
4.	Train Display Board	62
5.	Conventional PA System	457

IV – SATELLITE PHONES—28

(provided at ART, ARME & SPART)

V – FOIS, CMS & COIS

1	FOIS	144 Locations
2	COIS	53 Locations
3	CMS	47 Locations
4	V — SAT Connectivity	1 Location

VI – VOICE RECORDER IN CONTROL OFFICE

Voice Recorders are provided on all the 24 Section controls and 8 Traction Power Control in all Divisions.

VII – CUG PHONES

12537 CUG SIM cards of 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.

3B. PERFORMANCE OF TELECOMM CIRCUITS

S. No.	Name of The Circuit	2020–21 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

3C. Matter Relating to Telecommunication Works

Sl. No.	Name of Work	Estimated year of installation	Physical cost ₹ (in lakhs)	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.	Shoranur -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	100%	Work completed.
7.	Chennai Central improvement of communication facilities for LC gates 160 Nos.	2017-18	102.86	..	30 KMs. trenching and laying completed. 6 Nos. LC gates changed over to new cable.
8.	Trivandrum Division - Dedicated Optical Fibre cable for data communication.	2018-19	198.02	..	19 KMs. trenching, & HDPE pipe laying completed.
9.	PGT Division - Reliability improvement by replacement of various assets.	2018-19	747.31	..	42 km 6 Quad & HDPE pipe laying completed. 21 Nos. PDMUXes and 26 Nos. SDH equipments with accessories installed. 16 stations energised & migrated to new eqpt.

4. Progress of works March – 2020 – 2021

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 31.03.2021	Physical Progress upto 31.03.2021	“Remarks [Detailed Physical Progress and Bottlenecks, if any]”
1	2	3	4	5	6	7	8	9
1	974 RRSK	Ernakulam – Shoranur– Palghat Erode – Chennai and Bangalore – Jolarpettai– Chennai – Anti Collision Device.	752400	03-04		0.07	5	Scope of work: To provide TCAS in JTJ-SA-ED section (179.9Km) Estimate status: 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. 3.The detailed estimate of the work is revised for provision of TCAS in terms of Railway Board Letter No.2014/SIG/ ATP/IR Dated 05.08.2020 and sent to Finance for vetting on 15.10.20. RE returned with queries on 27.11.20. Queries replied and RE re-submitted to accounts on 12.01.2021 for vetting. 4.Estimate again returned with queries on 17.02.21. Reply under process.

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
2	975 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	10	Scope of work: To provide Train Management System in Chennai Division to ease operational difficulties due to intense traffic. Estimate status: 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. 3.Work has been defreezed by Railway Board on 01.11.2018. 4. Approval for Draft revised estimate received from Railway Board on 06.08.19. 5. Revised Detailed estimate under Finance vetting. 6.Letter sent to Railway Board for restriction of scope for one Board. Work Status: 1.Railway Board vide Lr.No.2021/Sig/ WP/IR/ Works Review dt 05.03.2021 has advised Southern Railway to review the proposal and include the scope of Provision of CTC/TMS at MSB-TBM suburban section in the work of PB 530 of 2021-22 of ER. 2.Accordingly, the work to be processed for dropping from Pink Book & IRPSM.
3	976 RRSK	BBQ-AJJ Section (Slow Line)–Provision of Train Protection Working System (TPWS)	308142	10-11	2016	101.30	100	Scope of work: To provide TPWS system in BBQ-AJJ (slow line) for safe running of trains. Tender status: LOA issued to M/s.Thales India Pvt. Ltd., on 10.04.2014. Work status: 1.Works completed and commissioned on 21.12.2016. 2.PAC issued on 26.03.18 & 10.09.18. 3.The contract includes 3 years of warranty. Warranty started on 12.09.18. 4.The contract also includes 5 years of AMC after warranty period i.e after issue of FAC
4	977 RRSK	Arakkonam–Jolarpettai – Train Protection & Warning System –150 RKM.	2479600	11-12		1.06	15	Scope of work: To provide TPWS system in AJJ-JTJ section for safe running of trains. Work status: 1.Railway Board vide Letter No.2017/ Sig/Modernization dated 24.05.2018 has freezed the work. 2.The detailed estimate of the work is revised for provision of TCAS in terms of Railway Board Letter No.2014/SIG/ ATP/IR Dated 05.08.2020 and sent to Finance for vetting on 06.11.20. 3. RE returned with queries on 25.02.21. Fresh Engineering provision for construction of Huts and store rooms have been advised to division on 11.03.2021. Awaiting sub estimates from division.

4. Progress of works March – 2020 – 2021

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
5	978 RRSK	Chennai Beach – Tambaram – Chengalpattu – Train Protection & Warning System – 60 RKM.	890268	11-12		5.82	15	Scope of work: To provide TPWS system in MSB-TBM-CGL section for safe running of trains. Work status: 1.Railway Board vide Letter No.2017/ Sig/Modernization dated 24.05.2018 has frozen the work. 2.The detailed estimate of the work is revised for provision of TCAS in terms of Railway Board Letter No.2014/SIG/ ATP/IR Dated 05.08.2020 and sent to Finance for vetting on 04.11.20. 3.RE returned with queries on 07.01.21. Queries replied and RE re-submitted to accounts on 27.01.2021 for vetting. 4.Estimate again returned with queries on 22.02.21. Reply under process.
6	979 RRSK	Salem Division – Replacement of Universal Axle Counter with Single Section Digital Axle Counters (5 Intermediate Block Sections)	70851	12-13		100.04	85	Scope of work: To replace obsolete Universal Axle counters with SSDAC in 5 IBS sections over SA Division. Estimate status: Detailed estimate sanctioned on 11.02.13 for Rs.7.09 Crs. Tender status: LOA issued on 11.06.18. Material status: All materials supplied. Work status: 1.TNT-IB-KPPR section HASSDAC commissioned on 30.12.18. 2.KEY-SLY section HASSDAC commissioned on 24.09.19. 3.MAP-BDY section, HASSDAC commissioned on 08.01.20. 4.UKL-TUP commissioned on 28.01.21. 5.DC-MVPM HASSDAC on Up line commissioned on 16.02.21
7	980 RRSK	Chennai Beach – Villupuram, Arakkonam – Jolarpettai & Chennai – Gudur – Backup power supply Auto Sections.	240488	14-15	2021	85.71	99	Scope of work: To provide alternate power supply in addition to the existing conventional power supply to prevent signal failures in auto section . Estimate status: Detailed Estimate sanctioned on 04.11.2015. Tender status: LOA's issued for MAS-GDR Section on 23.05.16;MSB-CGL on 27.07.16; AJJ-JTJ on 21.09.16. Work status: 1.Cumulatively MAS-GDR: 10/18, AJJ-JTJ: 14/20 and MSB-CGL:0/10 sections backup supply provided. 2.Work in MSB-TBM section will be done along with MSDAC work and Centralization of Signal interlocking works.Works could not be processed

4. Progress of works March – 2020 – 2021

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
								due to poor outlay and sanctioning of MSDAC / centralization works in all sections which warrants centralized/ integrated power supply systems as against distributed system in the present case.
								3.Work Completed
8	981 RRSK	Jolarpettai- Repl of Route Relay Interlocking and A, B & C Cabins	275899	15-16	2020	103.39	100	Scope of work: To replace signalling gears at JTJ on age cum condition basis. Estimate status: Detailed estimate sanctioned on 10.11.17. Tender status: LOA for outdoor works issued on 23.01.19. LOA for indoor works issued on 26.09.19. Work status: 1. EI commissioned @ JTJ (M/s Kyosan make) with Dual VDU at Main cabin and Auxiliary EI cabin with three Object Controller huts on 21.05.2020. 2.BPAC 4 Nos (HASSDAC) provided on Up& Dn Lines on JTJ-SA and JTJ-SBC section. 3.LC No. BP1 @ JTJ Yard interlocked on 21.05.2020. 4.Work completed and commissioned. 5. JTJ Outdoor Final Bill completed and payment made. 6. JTJ Indoor Final M.Book recording in progress. TDC: May 2021.
9	982 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	2021	91.72	99	Scope of work : To provide Integrated power supply at 4 Stations and 8 IBS locations in SA Division. Estimate status: 1.Detailed estimate sanctioned for Rs.5.32 Crs on 10.11.2016. Tender status: LOA issued on 07.05.18. Material status: IPS materials supplied. S&T Building status: construction of IPS huts at IBS locations completed by SA Division. Work status: 1.IPS installed and commissioned at 4 stations and work completed. 2.IPS in TPT-KEY,KEY-SLY,SA-VRPD,VRPD-DC, DC-MVPM,MAP-BDY, UKL-TUP IBS sections commissioned. 3.IPS for non-blanking signals in BDY-BQI IB location commissioned on 06.02.21. 4.Work completed.

4. Progress of works March – 2020 – 2021

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
10	983 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		79.58	45	Scope of work: To provide MSDAC system along with existing DC Track circuit system to achieve dual detection and improve reliability. KEY, CBF & SNO to be provided with HASSDAC. TUP, ED, OML & SXT to be provided with MSDAC. Estimate status: Detailed estimate sanctioned for Rs.5,01,79,845 on 30.01.2017. Tender status: S&T LOA issued on 21.04.18. Material status: MSDAC materials(42 DPs) and 6 HASSDAC equipment received. Work status: 1.Site survey completed at KEY,CBF,SNO OML,SXT,TUP and ED. 2.KEY HASSDAC system commissioned on 17.03.21. 3.SNO&CBF HASSDAC system commissioned on 30.03.21 4.Trenching and cable laying in progress at SXT,OML,TUP and ED.
11	984 RRSK	Chennai Dn. -Provision of Dual detection using MSDAC in Chennai Egmore and other than berthing tracks of Chennai central.	108838	16-17		99.76	65	Scope of work: To provide MSDAC system along with existing DC Track circuit system to achieve dual detection and improve reliability. Estimate status: Detailed estimate sanctioned for Rs.10.88 Crs on 25.04.2017 Tender status: Combined tender called for PB 984, LAW 947 and LAW 954. 3.LOA issued on 02.03.18. Material status: All MSDAC materials received. Work status: 1.Site survey completed and approval for cable trenching and laying obtained from Division. 2. PCSTEs approval for TSAA obtained including PCSTE sanction. 3. MAS yard has commissioned on 13.02.2021 with MSDAC along with existing DCTC. 4.Physical Works are in progress at MS Yard. Due to existing drainage and other obstructions progress is delayed. TDC: April 2021.

4. Progress of works March – 2020 – 2021

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
12	985 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		85.95	40	Scope of work: To provide MSDAC system along with existing DC Track circuit system to achieve dual detection and improve reliability. Estimate status: Detailed estimate sanctioned for Rs.17.28 Crs on 06.09.2017. Tender status: Combined tender called for PB 985 and 991. LOA for S&T works issued on 21.10.19. Material status: 94 out of 220 DPs supplied by the contractor. S&T Building status: LOA for 6 S&T Huts issued on 13.01.20. Construction of Huts between MS-MKK is in progress. Work status: 1.Resetting procedure for MSDAC in auto section finalized on 23.06.20. 2.Survey completed by OEM and DP plan prepared and under process. 3.As per Engineering Dept, 1st Hut in MS-MKK section will be completed by May 2021.
13	986 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		99.10	65	Scope of work: To provide MSDAC system along with existing DC Track circuit system to achieve dual detection and improve reliability. Estimate status: 1.Detailed estimate sanctioned for Rs.15.97 Crs on 24.11.2016. 2.Estimate is being revised and RE sent to accounts for vetting on 25.01.21.RE returned with queries on 18.02.21 and reply under preparation. Tender status: S&T LOA issued on 12.07.18. Material status: All MSDAC materials received. S&T Building status: Out of 5 Huts, 4 huts (MVLK, QLN, KYJ, KCVL) completed and one hut at IPL in progress by TVC Division. Works status: 1.MSDAC @ MVLK commissioned on 17.03.21. 2.Work in progress at balance stations.

4. Progress of works March – 2020 – 2021

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
16	989 RRSK	SRR-CLT BPAC With Single section Digital Axle Counters (11 Block Section)	144053	17-18		94.60	64	Scope of work: To provide Block Proving Axle counters with HASSDAC in SRR-CLT section to enhance reliability and punctuality. Estimate status: Detailed estimate for Rs.14.41 Crs on 01.09.2017. Tender status: LOA issued on 18.07.18. Material status: All HASSDAC materials supplied. 6 Quad cable of 150 Km received. Work status: 1.SIP approved for all 11 Block sections. 2.TIR-TA Block section commissioned on 08.01.20. 3.KTU-TUA Block section commissioned on 04.11.20. 4.TUA-TIR Block section commissioned on 08.12.20. 5.KTU-PUM Block section commissioned on 06.01.21. 6.PUM-PTB and PTB-KRKD Block section commissioned on 12.02.21 and 26.02.21. 7.TA-PGI B/s commissioned on 26.03.21. 8.Work in progress at balance section.
17	990 RRSK	BBQ-AJJ-JTJ Dual detection using MSDAC with DCTC Audio Frequency Track Circuitng in Section. [BBQ-AJJ MSDAC]	668653	17-18		38.61	20	Scope of work: To provide MSDAC system along with existing DC Track circuit system to achieve dual detection and improve reliability.Scope reduced by Railway Board and work to be executed in BBQ-AJJ section. Estimate status: Detailed estimate sanctioned for Rs.66.87 Crs on 30.09.2019. Tender status: Three separate tenders floated for BBQ-AVD,AVD-KBT, KBT-AJJ Sections and LOAs issued on 05.08.20,18.06.20 and 15.06.20 respectively. Material status: MSDAC materials supplied for one section. Cable procurement for 2C-110Km, 30C-65Km, 6 Quad-230Km initiated. 30C cable and 6 Quad cable part supply received. Indent for Cable 24C-25Km submitted for CA's approval on 13.07.20. Cable 12C- 5Km PO released. 24 OFC cable -120Km material supplied.

4. Progress of works March – 2020 – 2021

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
		BBQ-AJJ-JTJ Dual detection using MSDAC with DCTC Audio Frequency Track Circuitng in Section. [BBQ-AJJ MSDAC] Contd.						Works Status: 1) Works started in AVD-PAB and ABU-AVD section. 2) Survey is in progress in KBT-AJJ section. The commissioning will be targeted in-line with the Engineering works as given by CPM.
18	991 RRSK	MSB-TBM Dual detection using MSDAC with DCTC Audio Frequency Track Circuitng in Suburban Auto Section	186045	17-18		75.13	30	Scope of work: To provide MSDAC system along with existing DC Track circuit system to achieve dual detection and improve reliability. Estimate status: Detailed estimate sanctioned for Rs.18.60 Crs on 20.11.17. Tender status: Combined tender called for PB 985 and PB 991. LOA for S&T works issued on 21.10.19. S&T Building status: Construction of MSDAC huts in progress by Chennai Division. Work status: 1.Survey completed by OEM and DP plan prepared and SIP for MS-MKK under process. 2.As per Engineering Dept, 1st Hut in MS-MKK section will be completed by May 2021.
19	992 RRSK	MAS-GDR-TPWS on board equipment in balance EMUs	303259	17-18		0.50	30	Scope of the work: To provide TPWS 'On Board' Equipment in 51 Motor Coaches. Estimate status: Detailed Estimate sanctioned for Rs.30.32 Crs. on 30.08.2017. Tender status: Work freezed by RB and subsequently de freezed the work on 14.12.2018. Retender called and LOA issued to M/ s Hitachi Rail STS India on 16.12.2019. Work status: 1.Survey completed for 20 MCs and report submitted by the OEM to DEE/ RS/VLCY on 27.08.2020 for further approvals. 2.TPWS materials for Trial section made ready with Consignee inspection as per Approved Test Procedures. 3.Approval received from PCEE on 28.09.20 for installing On Board equipment in one coach for trial purpose. One rake for prototype testing made ready. Static testing completed and Dynamic trials of rake in MAS-GPD and MAS-AJJ section was successful and found Working of On Board system found to be satisfactory.

4. Progress of works March – 2020 – 2021

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
		MAS-GDR-TPWS on board equipment in balance EMUs [Contd.]						4.Survey was carried out for Medha Rakes at Avadi car shed and report sent to Sr.DEE/RS/AVD. Further clarifications given by M/s. Hitachi was forwarded to Dy. CEE/Design/ICF for discussion with M/s.Medha.
21	994 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		67.53	45	Scope of work: To provide MSDAC system along with existing DC Track circuit system to achieve dual detection and improve reliability. Estimate status: Detailed Estimate sanctioned for Rs.22.42 Crs on 11.06.19. Tender status: LOA issued to M/s Eldyne Electro Systems on 28.10.19. Material status: 3. Call letter issued for supply of materials and 104 DP materials received.4.Supply of 6 quad cable - 25Km under Stores TCM. Work status: 1.Installation of MSDAC at PNQ completed on 28.12.20.2. At ERS cable laying completed for 2 Km out of 8 Km. Trenching work started at TCR.
22	995 RRSK	BBQ-PAB - Remote Terminal Unit in Auto section	65266	18-19	2021	73.66	65	Scope of work: To provide Remote Terminal Unit (RTU) in BBQ-PAB auto section for remote monitoring,fault location and early rectification of fault to reduce failure & downtime. Estimate status: Detailed estimate sanctioned for Rs. 6.53 Crs on 12.02.19. Tender status: LOA issued on 06.06.2019. Material status: All RTUs (48 Nos) including servers received. Work status: 1.Location box foundation works completed in entire section. 2.RTU in AVD-PAB Auto section commissioned on 05.11.20. 3.RTU in VLK-ABU Auto section commissioned on 16.01.21. 4.RTU in VPY-VLK Autosection commissioned on 08.02.21. 5. RTU in BBQ-VPY Autosection commissioned on 15.02.21. 6.Work physically completed.
24	997 RRSK	PGT Division - Reliability improvement by replacement of various assets.	74731	18-19		89.52	50	Scope of work: Replacement of existing obsolete paper insulated RE quad cable with new 6 quad cable and OFC equipments in PGT-SRR section and replacement of power supply arrangements in SRR-CLT section. Estimate status: Detailed Estimate sanctioned for Rs.7.47 Crs on 24.01.19. Estimate under revision and sent to Finance for vetting on 05.10.20. RE returned on 10.11.20 with queries.

4. Progress of works March – 2020 – 2021

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
								Tender status: LOA issued on 23.01.20 to M/s ITI Bangalore. Material status: 1.34 sets of PDMUX, Measuring instruments and GI pipes supplied. 2.Twenty six nos of STM-16 equipments, supplied by M/s. RCIL. 3.53 kms of HDPE duct supplied. 4.Power plant 30 sets supplied. 5.57Km of Quad cable received. Work status: 1)42 Km Cable trenching and 6 quad & HDPE duct laid. 2)21 Nos of PDMUX installed. 3) 17 Nos of PS units are installed. 4) 26 SDH equipments are installed. 5) 29 Nos of Telecom. earth provided. 6) 16 stations are energised and circuits migrated to new equipments.
25	998 RRSK	TVC Division - Dedicated optic fibre cable for data communications	192802	18-19		56.68	40	Scope of work: Dedicated OFC to be laid for networking and Interconnecting Data Communication for Modern Signalling equipments in SRR-ERS-KTYM-KYJ-TVC section of TVC Division. Estimate status: Detailed Estimate sanctioned for Rs.19.28 Crs on 22.02.19. 2.Indoor Scheme approved and revised estimate with IP-MPLS Scheme sent to Finance for vetting. RE returned on 23.10.20 with queries. Tender status: LOA for outdoor works issued for SRR-ERS and ERS-KYJ section on 19.03.20 and for KYJ-QLN section on 13.05.20 to M/s.ITI Limited, Bangalore. Material status: 1.HDPE pipe and measuring instruments are supplied. 2.GI pipe and DWC pipes have been supplied. Work status: 1)Survey completed for 200Km. 2) 15 km trenching laying of HDPE duct completed in SRR-ERS-KYJ section. 3)2Km GI pipe laid @TVC yard. 4)5km Trenching and duct laying completed in ERS-TRTR section.

4. Progress of works March – 2020 – 2021

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
26	999 RRSK	SA Division - Provision of redundancy by using high availability single section digital axle counter (55 sections)	356287	18-19		74.48	50	Scope of work: To provide for redundancy by using HASSDAC for BPAC with UFSBI in 55 Block sections of Salem Division Estimate status: Detailed estimate sanctioned for Rs.35.63 Crs on 31.05.19. Tender status: LOA issued for ED-KRR-TP, SA-NMKL-KRR and SA-VRI sections on 19.08.19. LOA for JTJ-MVPM section issued on 14.09.19. LOA for MVPM-PTJ section on 19.09.19. Material status: 4 sets of MSDAC and 59 sets HASSDAC supplied. Call letter issued for supply of balance materials. Work status: 1.29 Block sections commissioned up to 31.03.21. 2.HASSDAC commissioned at 5 Block section during Mar'2021. 1)SNO-SUU, 2)MTNL-TP, 3)ED-CVD, 4)MALR-SA & 5) SA-SAMT.
27	1000 RRSK UW-1	Chennai division: Replacement of AFTC/ DC Track circuit by MSDAC in auto section of AJJ-JTJ section (145 RKM- 'B'- Route) on age-cum-condition basis.	819502	19-20		0.00	20	Scope of work: To replace AFTC/DC track circuit by MSDAC system in AJJ-JTJ section on age cum condition basis. Estimate status: Detailed Estimate sanctioned vide Letter No.SG.190/M/MSDAC/AJJ-JTJ/Est dated 24.11.2020 for Rs.81,95,02,000/- Tender status: Two Tenders for AJJ-KPD and KPD-JTJ auto section floated and opened on 16.12.20. Technical bid finalized on 30.12.20. Financial bid to be opened on 04.01.21 Negotiation carried out AJJ-KPD Section and Final Minutes are under preparation. Negotiation for KPD-JTJ section carried out on 04.03.21.
28	1000 RRSK UW-2	Chennai Division: Replacement of existing panel Interlocking system by EI at TUG, WJR, MCN, THL in AJJ-JTJ section ('B'-Route) on age cum condition basis	384109	19-20		27.10	20	Scope of work: To replace the existing Panel interlocking with EI on age cum condition basis. Estimate status: Detailed Estimate sanctioned on 09.09.2020 for Rs.38.41Crs. Tender status: 1.Two Tenders floated for Indoor and Outdoor works and opened on 28.05.20 and 29.05.20. 2.Indoor works LOA issued on 30.09.20. 3.Outdoor works LOA issued on 01.10.20.

4. Progress of works March – 2020 – 2021

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
29		Chennai Division: Replacement of existing panel Interlocking system by EI at TUG, WJR, MCN, THL in AJJ-JTJ section ('B'-Route) on age cum condition basis [Contd.]						4. LOA for S&T Accomodation issued. Work status: 1. SIP under preparation. 2. Outdoor Works started at TUG station 3. Building is constructed by Engineering Dept. Marking was completed and work will start after completion of Elections. 4. Cable laying is planned in UP & DN Lines. During the yard cable laying auto section cables for MSDAC also will be laid in the same trench to avoid trenching. 5. Trenching completed in UP Line and 50% in DN Line. Cable laying will start after Elections. 6. HQ is requested to finalize the design of Button to Button Logics.
30	1000 RRSK UW-3	Chennai division: Replacement of existing EI (Indoor) at Tada, Pedapariya and Odur (3 stations – HDN route) in MAS-GDR section on age -cum- condition basis.	79320	19-20		38.13	20	Scope of work: To replace the existing EI (Indoor) at Tada, Pedapariya and Odur stations on age -cum- condition basis. Estimate status: Detailed estimate sanctioned on 07.09.2020 for Rs.7.93 Crs. Tender status: LOA issued on 23.09.20 for Rs.11.96 Crs. To be executed along with PB 1000 UW-4 Work Status: Site Survey completed for TADA, PYA and ODUR Stations including Hut marking. Building for Relay Room is to be constructed by Divisional Engineering and yet to be commenced.
31	1000 RRSK UW-4	Replacement of existing EI (In door) at Arambakkam station on age -cum -condition basis in Chennai Division	42133	19-20		35.60	25	Scope of work: To replace the existing EI (In door) at Arambakkam station on age -cum- condition basis. Estimate status: Detailed estimate sanctioned on 07.09.2020 for Rs.4.21 Crs. Tender status: LOA issued on 23.09.20. To be executed along with PB 1000 UW-3. Work status: 1.SIP for AKM approved. 2.Site Survey completed for AKM. Building for Relay Room is to be constructed by Divisional Engineering and started from 31.03.2021.

4. Progress of works March – 2020 – 2021

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
38	1001 RRSK UW-6	Reliability improvement with dual detection using High Availability Single Section Digital Axle Counter (HASSDAC) for IBSs over Southern Railway (Total-17 IBS: SA-5, PGT-3, TVC-9)	247521	19-20		0.00	20	Scope of work: To provide dual detection using HASSDAC for IBS in 17 IBS sections. Estimate status: Detailed Estimate sanctioned vide Letter No.SG.190/P/HASSDAC/17-IBS/Est dated 12.11.2020 for Rs.24,75,21,000/- Tender status: Two Tenders for 9 IBS (TVC Dn.) and 8 IBS(PGT & SA Dn.) floated and opened on 18.12.20. Under TC.
39	1003 RRSK UW-1	Up-gradation of balance STM's and PD MUX's (141 stations) along with Power Supply arrangements in Southern Railway (MAS-40, SA-15, STTC/PTJ-4, PGT-6, TVC-14, TPJ-14 & MDU-48)	140990	19-20		0.00	5	Scope of work: To Up-grade balance STM's and PD MUX's (141 stations) along with Power Supply arrangements in Southern Railway. Estimate status: 1.Estimate including IP IMPLS scheme submitted to accounts on 08.06.2020 for vetting . 2.DE returned by accounts with queries. 3.Detailed Estimate has been re submitted along with reply to accounts on 17.12.2020 for vetting. 4.Telecom Dte approval sought for IP IMPLS policy by Associate Finance.
40	1005 RRSK UW	Chennai division: Reliability improvement in Auto section by providing centralization of Relay interlocking in Auto section huts in Chennai central-Gudur ("A" Route- 136 RKM) & Chennai Beach - Chengalpattu sections ("B" Route - 60 RKM) and Provision of Dual detection using MSDAC in Tambaram-Chengalpattu section ("B"-Route- 30 RKM)	484500	20-21		0.00	0	Abstract Estimate sent to Railway Board for sanction.
41	1005 RRSK UW	Chennai division: Replacement of existing EI (Indoor) at Sullurupettai, Polireddypalem, Doravarichatram, Nayudupeta (A- Route) and Tiruttani, Puttur, Ponpadi , Nagari (B- Route) on age -cum- condition basis.	210610	20-21		0.00	5	Scope of work: To replace the existing EI (In door) on age -cum- condition basis. Estimate status: Detailed S&T Estimate has been prepared . Sub estimates of Engineering, Electrical (G) and Electrical(TRD) from division is awaited. Tender status: 1.Tender for outdoor works floated and opened for A Route on 10.08.20. TC under process. 2.Tender for indoor works floated and opened on 13.10.20.TC under process.

4. Progress of works March – 2020 – 2021

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
42	1005 RRSK UW	Chennai division: Replacement of Existing signalling arrangement (Outdoor) at Chennai central station.	80900	20-21		0.00	0	Draft S&T Estimate under preparation.
43	1009 RRSK	Replacement/provision of telecom assets with multiprotocol level switching / internet protocol based technology over Southern Railway (Umbrella Work 2020-21)	197030	20-21		0.00	0	Draft S&T Estimate under preparation.
44	947 RRSK	Replacement of Balance Jeumont track circuit by SSDAC and QBAT at MAS in Chennai Division.(To be executed along with PB 984)	6758	16-17	2021	9.77	100	Scope of work: To replace the balance jeumont track circuit relay at Chennai Central station yard with SSDAC and QBAT track circuit relay. Estimate status: Detailed estimate sanctioned for 67.57 Lakhs on 11.05.2017. Tender status: 1.Work to be executed combinedly with PB 984 and LAW 949. 2.LOA issued on 02.03.18. Material status: All MSDAC materials received. Work status: 1.Site survey completed and approval for cable trenching and laying obtained from Division. 2. MSDAC at MAS yard commissioned on 13.02.2021 and Work is physically completed.
45	952 RRSK	Replacement of existing universal axle counters by SSDAC at Ichchiputtur(IBP) in AJJ -TRT section in Chennai Division.	24508	18-19	2020	114.15	99	Scope of work: To replace the existing universal axle counter at Ichchiputtur by SSDAC. Estimate status: Detailed Estimate sanctioned for Rs.2.45 Crs on 20.05.2019. Tender status: LOA issued on 06.11.19 . Work status: Work completed and commissioned on 16.09.20. Final Measurement book recording is in progress.
46	954 RRSK	Replacement of Jeumont track circuit by SSDAC and QBAT at MAS in Chennai Division. (To be executed along with PB 984)	6325	16-17	2021	6.96	100	Scope of work: To replace the jeumont track circuit relay at Chennai Central station yard with SSDAC and QBAT track circuit relay. Estimate status: Detailed estimate sanctioned for 63.24 Lakhs on 11.05.2017. Tender status: 1.Work to be executed combinedly with PB 984 and LAW 947. 2. LOA issued to M/s SS Rail works on 02.03.18. Material status: All MSDAC materials received.

4. Progress of works March – 2020 – 2021

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
								Work status: 1.Site survey completed and approval for cable trenching and laying obtained from Division. 2.MSDAC at MAS yard commissioned on 13.02.2021 and Work is physically completed.
47	955 RRSK	Avadi EMU/AVD: Provision of Public Address System in EMU/MEMU suburban trains-5MC +100TC	9963	17-18		0.00	15	Scope of work: To provide Public address system in EMU/MEMU suburban trains.Work is being executed by Sr.DEE/RS/AVD. Estimate status: Estimate sanctioned for Rs.99,63,416/- on 04.10.2017. Tender status: LOA issued on 04.03.2019. Work status: Firm yet to start the work.
48	968 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	2020	81.99	99	Scope of work: To replace the obsolete RE communication cable with 6 quad cable in KJKD-WRA 'B' line and WRA -CLMD 'A' line section. Estimate status: Detailed estimate sanctioned for 1,11,06000/-on 08.12.2015. Tender status: 1.Work executed combinedly with PB 955(NAP). 2.LOA issued for outdoor 6 Quad cable laying work on 08.12.2016. Work status: Outdoor works:- i)KJKD-WRA 'B' Line (12.34Km) cable laying completed ii) WRA-CLMD'A' Line (5.5Km) completed and block circuit changed over. Indoor works:- SDH, PDMUX, Power plant supply and installation completed and commissioned. Work completed and Final Bill under preparation.
49	974 RRSK	Provision of Redundancy for track detection using multi section digital axle counter (MSDAC) at KOZHIKKODE (CLT) Station.	12957	12-13	2019	57.20	100	1. Work completed and Commissioned on 15.11.19. 2.SD released and work physically and financially completed. 3.Work recommended for deletion.
50	76 RRSK	Southern Railway – Solar Panel power supply arrangements for Mid- Section Level Crossing Gates.	95742	13-14		38.74	80	Scope of work: To provide alternate power supply arrangements for mid section LCs in Non-RE area by using solar panels. Estimate status: Detailed estimate for Rs.9.57 Crs sanctioned on 04.08.2015. Tender status: LOA issued on 03.03.2018. Material status: All materials received.

4. Progress of works March – 2020 – 2021

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
								Work status: 1)Due to section changed over from Non RE area to RE area, it is proposed to do the work for 24 LCs only. 2)12 LCs provided with solar panel back up power supply up to January 2021. 3)8 LC's in MDU division provided with solar panel back up power supply in February 2021. 4)2 LC's commissioned during Mar'21. LC 456 -04.03.21. LC 419 -05.03.21. 5)Work in progress at remaining 2 LC gates.
51	77 RRSK	Trivandrum–Ernakulam –Trichur–Improvements to communication arrangements at all level crossings (395 Km.)	79851	13-14	2020	72.01	99	Scope of work: Improvement to communication arrangements at all LCs in TVC-ERS-TCR section. Estimate status: Detailed estimate sanctioned for Rs.7.98 Crs on 12.12.2015. Tender status: Outdoor 6 quad cable laying work awarded on 28.04.2017. Material status: Cable received from M/s Gee cab defective (non standard. not as per RDSO spec). Work status: 1.Indoor work : M/s RCIL completed installation of SDH & PDH equipment at 42 stations. 2.Migration completed 3.Final bill passed and contract under closure.
52	78 RRSK	Shoranur – Kozhikode – Mangalore - Improvements to communication arrangements at all level crossings (85 Km.)	65373	13-14	2020	96.96	99	Scope of work: Improvement to communication arrangements at all LCs in SRR-CLT-MAQ section. Estimate status: Detailed estimate sanctioned for Rs.6.53 Crs on 12.12.2015. Tender status: Outdoor 6 quad cable laying work awarded on 28.04.2017. Material status: Cable received from M/s Gee cab defective (non standard. not as per RDSO spec). Work status: 1.Indoor work : M/s RCIL completed installation of SDH & PDH equipment at 27 stations. 2.Final bill passed and contract under closure.

4. Progress of works March – 2020 – 2021

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
53	80 RRSK	Ernakulam – Alappuzha – Kayankulam – Interlocking of Level Crossing Gates (42 Nos.)	287366	14-15	2020	81.79	99	Scope of work: To interlock 42 manned LCs in ERS-ALLP-KYJ section. Estimate status: Detailed estimate sanctioned for Rs.28.74 Crs on 04.02.2015. Tender status: LOA issued on 07.11.2016. Work status: 1.S&T/CN is executing work at 3 LCs in AMPA-HAD section along with doubling. 2.LC 131,137,138 and 139 in HAD-CHPD-KYJ section of TVC Division commissioned on 30.11.20. 2.All 39 LCs commissioned. 3.Work completed.
54	81 RRSK	Chennai Division – Interlocking of manned Level Crossing Gates (26 Nos.)	125204	14-15	2020	90.81	99	Scope of work: To interlock 26 LCs in CGL-AJJ section. Work Status: 1.Work completed and commissioned. 2.All 26 LCs commissioned against this work. (23 by projects and 3 LCs by Division) 3.Contract under closure. Final measurement recording under progress.
55	82 RRSK	Chennai Division – Interlocking of Level Crossing Gates (8 Nos.)	43329	14-15	2020	94.00	99	Scope of work: To interlock 8 LCs in CGL-VM section. Work Status: 1.All LCs are commissioned and work completed. 2.Contract under closure. Final Measurement recording in progress.
56	83 RRSK	Trivandrum Division - Interlocking of Level Crossing Gate Nos. 63,51,39,88, 26	43328	15-16	2020	79.23	99	Scope of work: To interlock 5 manned LCs in TVC Division. Estimate status: Detailed Estimate sanctioned for Rs. 4.33 Crs on 23.09.2016. Tender status: LOA for S&T works issued on 21.06.2017. Material status: All materials received. Work status: 1.Three LCs (39, 51 & 26 by CN) have been commissioned 2.LC 63 commissioned on 28.12.19. 3.LC 88 commissioned on 29.12.20. 4.Work completed. 5.Residual works in progress.
57	84 RRSK	Chengalpattu - Arakkonam & Chennai Egmore-villupuram- Interlocking of Level crosssings (Gate No. 19,21,35,43,44,47,48 & 56,57,79 (10 Nos.)	51169	15-16	2020	91.98	99	Scope of work: To interlock 10 LCs in CGL-AJJ & CGL-VM section. Work status: 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.Contract under closure.Final Mea- surement recording in progress.

4. Progress of works March – 2020 – 2021

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
58	89 RRSK	Chennai Central - Improvement to communication facilities for Level Crossing Gates (160 Nos)	102862	16-17		81.24	55	Scope of work: To improve communication facility at 160 LCs over MAS Division, by laying dedicated cable for LC Gates, which increases reliability of train operation. Estimate status: Detailed estimate sanctioned on 16.03.2017 for Rs.10.29 Crs. Tender status: 1.LOA for MAS-AJJ-JTJ section awarded on 22.10.19. 2.LOA for AJJ-CGL-VM section awarded on 20.01.20. 3.MSB-GDR section tender discharged and work will be carried out along with MSDAC work. Material status: Quad cable received. Work status: 1)In MAS-AJJ-JTJ section trenching and cable laying for 22 Kms completed and balance is in progress. 2)6 Nos LC gates changed over to new cable with electronic gate phones. 3)In AJJ-CGL-VM section 8 km of Trenching and laying of 6 Quad completed and balance in progress.
59	94 RRSK	TPJ Division - Interlocking of Level crossings (19 Nos)	104177	18-19		73.60	50	Scope of work: To interlock 19 manned LCs in TPJ Division. Estimate status: Detailed estimate sanctioned for Rs.10.42 Crs on 04.04.19. Tender status: 1.S&T LOA issued on 31.10.19. 2.S&T building LOA issued. Material status: 80% of materials supplied. Work status: 1.LC 82 and 84 commissioned on 07.09.20. 2.LC 75 commissioned on 30.09.20. 3.LC 88 commissioned on 30.10.20. 4.LC 73,74 commissioned on 03.12.20. 5.LC 68,69 commissioned on 30.12.20. 6.Work in progress at LC 90 and LC 97.
60	98 RRSK UW-2	Interlocking of Manned LC Gates in MDU division.(15 Nos)	123535	19-20		12.36	20	Scope of work: To interlock manned LCs having TVU>20000 in MDU Division. Estimate status: Detailed Estimate sanctioned on 05.06.2020 for Rs. 12.35 Crs. Tender status: Two tenders floated and opened on 15.07.2020 for 10 LCs and 3LCs respectively. For 3 LCs LOA issued on 15.10.20 .For 10 LCs LOA issued on 18.11.20. Material status: Indent for 2C-23Km,24C-22Km,12C-0.5Km, 30C-20Km and 19C-50Km submitted to Stores Branch for procurement action on 16.07.20.

4. Progress of works March – 2020 – 2021

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
61	98 RRSK UW-5	Provision of Interlocking arrangements for LCs having TVU more than 20,000 over TPJ Division. (45 Nos)	302483	19-20		8.24	15	Scope of work: To interlock manned LCs having TVU>20000 in TPJ Division. Estimate status: Detailed Estimate sanctioned on 27.10.2020 for Rs.30,24,83,000/-. Tender status: 1.Two tenders floated and opened on 15.07.2020 for 22 LCs and 23LCs respectively. 2. LOA for 22 LCs issued on 01.01.2021. 3.No offer received for 23 LCs after retendering twice. Again refloated and opened on 1 4.12.20. Still no offer. 4.23 LC work has been split into 3 tenders and refloated, tender opened on 12.03.2021. Under TC.
62	92 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	2019	40.00	100	Scope of work: To interlock the 3 manned LCs in Chennai Division. Estimate status: Detailed estimate sanctioned for Rs.2.49 Crs on Dt.07.03.2019. Work status: 1.All the 3 LCs interlocked and commissioned. 2.Work completed on 28.09.2019. 3.Contract under closure.Final Measurement recording in progress.
63	95 RRSK	MDU Division – Proposed Interlocking of Level crossing Gates 295, 296, 297 & 298 between DG-MPA Section.(4 Nos.)	24032	18-19		44.57	40	Scope of work : To interlock the 4 manned LCs in DG-MPA section. Estimate status: 1.Detailed estimate sanctioned for Rs.2.40 Crs on 18.06.19. Tender status: 1.For 4 LCs 295,296,297,298 and 2 LCs 266 & 268, LOA issued on 22.02.20. 2.LOA issued for building by Division. Material status: Supply of 19C& 30C power cable received. 24C & 12C cable yet to be received. Work status: 1.SIP approved for all the 4 LCgates. 2.Cable trenching and laying completed for 295,296,297 and Four signal foundations done. 3.Erection of Location boxes completed and IPS shifted to site. 4.Wiring under progress.

4. Progress of works March – 2020 – 2021

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
64	96 RRSK	MDU Division – Proposed Interlocking of Level crossing Gates 266, 268, 274 & 278 between MPA-TPJ Section.(4 Nos.)	24639	18-19		37.50	50	Scope of work : To interlock the 4 manned LCs in MPA-TPJ section. Estimate status: Detailed estimate sanctioned for Rs.2.46 Crs on 18.06.19. Tender status: 1.For 2 LCs 274 & 278 and 4 LCs 325,329,330,347 LOA issued on 28.01.20. 2.LOA issued for building by Division. Material status: Supply of 19C& 30C power cable received. 24C & 12C cable yet to be received. Work status: 1)SIP approved all the 4 LC Gates. 2)LC 274 in KLS-MPA section commissioned on 30.11.20. 3) LC 278 commissioned on 04.03.21. 4)2 Km cable trenching completed for LC 268, Location box and signal erection under progress.
65	124 RRSK	MDU Division – Proposed Interlocking of Level crossing Gates 325,329,330 & 347 between MDU-DG Section.(4 Nos.)	24094	18-19		41.36	75	Scope of work: To interlock the 4 manned LCs in MDU-DG section. Estimate status: 1.Detailed estimate sanctioned for Rs.2.41 Crs on 18.06.19. Tender status: 1.For 4 LCs 325,329,330, 347 and 2 LCs 274,278 LOA issued on 28.01.20. 2.LOA issued for building by Division. Material status: Supply of 19C& 30C power cable received. 24C & 12C cable yet to be received. Work status: 1.SIP approved for all 4 stations. 2.LC 329 and 330 commissioned on 16.03.21. 3.LC 325 commissioned on 30.03.21. 4.Work transferred to MDU Division for execution.
66	125 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	2021	40.77	100	Scope of work: To interlock the 3 manned LCs in MDU-TEN section. Estimate status: Detailed estimate sanctioned for Rs.2.40 Crs on 18.06.19. Tender status: 1.LOA issued for LC 24 & 25 on 12.11.19. 2.LOA issued for LC 17 & 459 on 21.11.19. Work status: 1.LC 24 and 25 commissioned on 30.11.20. 2.LC 17 commissioned on 28.02.21 along with Doubling by RVNL. 3.Work completed and commissioned.

4. Progress of works March – 2020 – 2021

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
67	126 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	2021	51.20	100	Scope of work: To interlock the 4 manned LCs in TEN-SMD section. Estimate status: Detailed estimate sanctioned for Rs.2.48 Crs on 18.06.19. Tender status: 1.LOA issued for LC 27A & 28 on 21.11.19.2.LOA issued for LC 32 & 35 on 21.11.19. Work status: 1.LC 27A and 28 commissioned on 29.10.20. 2. LC 35 commissioned on 11.01.21 and LC 32 commissioned on 12.01.21. 3.Work completed and commissioned. Scope of work: To interlock 3 manned LCs in TPC-SUX section. Estimate status: Detailed estimate sanctioned for Rs.2.31 Crs on 18.06.19. Tender status: 1.LOA issued for LC 30 & 31 on 21.11.19. 2.LOA issued for LC 459 on 21.11.19.3.LOA issued for building by Division. Material status: Supply of 19C& 30C power cable received. 24C & 12C cable yet to be received. ELD and LC Gate telephone yet to be received. Work status: 1.SIP approved for all the 3 LCs Gates 2.LC 30,31 commissioned on 03.03.21. 3.Work transferred to MDU Division for execution.
68	127 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	2021	35.58	35	
69	133 RRSK	Palghat Division – Laying of Power Cable to Mid-section LCs from SRR to NIL (Non-RE area- 5 LCs)	25099	12-13	2019	24.94	100	Scope of work: To lay power cable to the Mid-Section LCs from the nearest Station, for improving the reliability of the signalling system. Work status: Work completed and commissioned.
70	143 RRSK	Palakkad Division: Interlocking of 3 LC gates in KLGD- MMDA -MXM section (LC Nos. 23,27 &31)	24666	18-19	2020	128.13	100	Scope of work: To interlock 3 manned LCs in KLGD-MMDA-MXM section. Estimate status: Detailed Estimate sanctioned for Rs.2.47 Crs on Dt. 22.02.19. Tender status: LOA issued on 19.08.19. Work status: 1.LC 23 & 27 commissioned on 29.02.20. 2.LC 31 commissioned on 13.08.20. 3.Work completed. 4.Residual works in progress.

4. Progress of works March – 2020 – 2021

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
71	144 RRSK	Palakkad Division: Interlocking of 3 LC gates in PGTM-PDGM-KLGD section (LC Nos. 35,37 & 41)	24666	18-19	2020	40.06	100	Scope of work: To interlock 3 manned LCs in PGTM-PDGM-KLGD section. Estimate status: Detailed Estimate sanctioned for Rs.2.47 Crs on Dt. 22.02.19. Tender status: LOA issued on 19.08.19. Work status: 1.LC 37 in KLGD-PDGM section commissioned on 31.12.2019. 2.LC 34 commissioned on 13.08.20. 3.LC 35 commissioned on 14.08.20. 4.Work completed. 5.Residual works in progress.
72	46 CAP	Salem Division – TIRUPPUR – Direct reception & dispatch for Goods Line.	11962	08-09	2017	336.43	100	Work status: 1. Work completed and commissioned on 24.12.2017. 2.Final variation statement sent to Finance for vetting.
73	49 CAP	Salem Division: Augmentation of line capacity of saturated sections.- Bommidi-Lokur, Vijayamangalam -Uttukuli & Vanjipalaiyam-Somanur -IBS	130254	15-16	2019	99.20	100	Scope of work: Provision of IBS in the 3 block sections to increase line capacity. Estimate status: 1. Modified Estimate sanctioned for Rs.13.03 Crs on 09.06.2017. Tender status: LOA for Outdoor and Indoor works issued on 09.06.18 & 22.06.18 respectively. Work status: 1.IBS between VNJ-SNO stations commissioned on 11.03.19. 2.IBS between BQI-LCR stations commissioned on 19.03.19. 4.IBS between UKL-VZ stations commissioned on 28.09.19. 5. All Works completed. Re appropriation done to settle the bills. Recommended for deletion.
74	50 CAP	Tikkotti - Vadakara - Intermediate block section	62421	16-17	2020	91.10	100	Scope of work: Provision of IBS at IGL in TKT-BDJ section. Estimate status: 1.Detailed estimate sanctioned on 05.05.2017 for Rs.4.82 Crs. 2.Revised estimate sanctioned for Rs.6.24 Crs on 22.01.21. Tender status: LOA for outdoor works issued on 01.02.18 and for indoor works on 02.06.18. Work status: 1.IBS @ IGL in TKT-BDJ section commissioned on 26.09.20. 2.Residual Works in progress.

4. Progress of works March – 2020 – 2021

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
75	51 CAP	Vadakara - Mahe - Intermediate block section	60264	16-17	2020	71.15	100	Scope of work: Provision of IBS at NAU in BDJ-MAHE section. Estimate status: 1.Detailed estimate sanctioned on 05.05.2017 for Rs.4.69 Crs. 2.Revised estimate sanctioned for Rs.6.02 Crs on 01.02.21. Tender status: LOA for outdoor works issued on 01.02.18 and for indoor works on 02.06.18. Work status: 1.IBS @ NAU in BDJ-MAHE section commissioned on 28.12.20. 2.Residual Works in progress.
76	52 CAP	Kumbala-Manjeshwar - IBS up & down lines in lieu of B Class Station	48117	17-18	2019	100.12	100	Scope of work: Provision of IBS at UAA in KMQ-MJS section. Work status: 1.Work completed and commissioned on 04.10.2019. 2.Residual works in progress. 3.CR to be drawn.
77	26 DF(3)	Provision of IBS sigg arrangements in QLN-PVU section and closure of MYV block station	27251	15-16	2020	116.44	80	Scope of work: Provision of IBS at IRP in QLN-PVU section and closure of MYV block station. Estimate status: Estimate sanctioned for Rs.2.72 Crs on 22.11.2016. Estimate is being revised and sent to Finance for vetting on 04.11.20. Tender status: LOA issued on 28.09.2017 Work status: 1.IBS @ IRP in QLN-PVU section commissioned on 13.10.20. 2.Residual Works in progress.
78	754 DRF (S&T)	Erode Yard – Elimination of Scissor Cross over & relaying with six sets of 1:12 Points & Crossings.	52980	07-08	2017	0.00	100	Work status: Work completed and commissioned on 09.02.2017. CR to be drawn
79	1177 CAP	Southern Railway - Integrated Security System at TVC,ERS, MDU,CBE, TPJ,CLT & MAQ(7 Stations)	305009	10-11	2017	93.05	100	Scope of work: Provision of ISS in 7 Stations over Southern Railway Work status: 1.Work completed , final bill passed assets handed over to Division 2.Divisions entered AMC with M/s Nelco Ltd for further maintenance. 3. Revised Estimate has been submitted to accounts on 01.02.21 for vetting after including Improvement of NGO-Annex, Civil, electrical and S&T sub-estimate portion.

4. Progress of works March – 2020 – 2021

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
80	1178 CAP	Chennai-Integrated Security System at MAS,MS,MSB,MBM, TBM,BBQ & TRL over Chennai division.	111040	10-11	2017	80.36	100	Scope of work: Provision of ISS in 7 Stations over Chennai Division. Work status: 1.Work completed , final bill passed asstes handed over to Division 2.Divisions entered AMC with M/s Nelco Ltd for further maintenance.
81	1228 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		76.76	40	Scope of work: Provision of CCTV Network for PRS Centers at 21 stations.(MDU-13&TPJ-8) Estimate status: Detailed Estimate sanctioned for Rs.2.24 Crs on dt.12.10.17 Tender status: LOA issued to M/s Shakuntala Enterprises, Jalagoan on 22.08.19. Material status: Camera and NVR supplied. Material status: Camera and NVR supplied, UPS , Monotors and 10 swithces are supplied. Work status: 1.Joint Survey of all stations completed and drawings submitted to Division. 2.Wiring completed in all 21 stations. 3.All the stations are energised and put on live monitoring. 4.Pending works and final measurements to be recorded.
82	1259 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	2021	92.55	99	Scope of work: Provision of CCTV networks for PRS locations of 8 'A1' and one 'A' class station. Estimate status: Detailed estimate sanctioned for Rs.1.24 Crs on 29.06.17. Tender status: LOA issued to M/s Microplus Network-ing Ltd on 05.03.18. Work status: 1.System installed and commissioned at all the 8 A1 category stations and 1 A category station. 2.Final Bill passed, Contract under clo-sure.

4. Progress of works March – 2020 – 2021

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
83	1262 DF1	MAS Dn: Provision of CCTV Network for PRS counters at 13 stations of MAS Division.	18297	17-18		14.43	20	Scope of work: Provision of CCTV networks for PRS counters at 13 stations of MAS Division. Estimate status: Detailed estimate sanctioned for Rs.1.83 Crs on 12.10.17. Tender status: LOA issued on 22.06.18. Material status: 24 Nos of PTZ , 31 Nos of Dome cameras and 13 Nos NVR supplied., Racks and wiring materials supplied. Work status: 1.Contract terminated on 06.12.19 due to delay in supply of materials. 2.Revocation of contract sanctioned. 3.Work is in progress .
84	1195 RRSK	Podanur (S&T Training Centre) - Provision of Training equipment	62097	16-17		138.91	80	Scope of work: Provision of EI of various RDSO approved make at S&T training centre, Podanur for training purpose. Estimate status: 1.Detailed estimate sanctioned by on 25.09.2017 for Rs.6.61 Crs and modified for Rs.6.21 Crs on 30.09.19. Estimate revised and sent to to Finance for vetting on 06.11.20. Returned with queries. Queries replied and RE re-submitted on 28.12.20. Again RE returned on 29.01.21.Reply under preparation. Tender status: 1.LOA issued for M/s Kyosan make on 22.06.18. 2.LOA issued for M/s Siemens make on 10.11.19. Work status: 1.EI model of M/s Kyosan make along with new IPS commissioned on 29.09.19 2.Siemens Westrace Mk-II EI equipment commissioned on 03.08.20. 3.Centralized EI to be converted into Distributed EI. 4.Minature Yard completed on 02.12.20. Conference room to be provided.

5. Status of Signalling Assets as on 31.03.2021

Sl. No.	Description of Items	Status as on 31.03.2020	Added During 2020-2021	Status as on 31.03.2021
1	ZISTUS	7255878	-1487868	5768010
2	Total Route KMS on Railway	5086	1	5087
	Total Track KMS on Railway	7374	176	7550
3	Token Block working (No. of Block Sections)	8	0	8
4	i Tokenless Block working (No. of Block Sections)	418	-2	416
	ii Lock & Block working (No. of Block Sections)	175	6	181
5	i Block working with continous track circuiting	28	-3	25
	ii Block working with one train only system	0	0	0
6	Intermediate Block Signals (No. of Block Sections)	35	4	39
	(i) Single line	0	0	0
	(ii) Double line	35	4	39
7	UFSBI	5	0	5
8	Block Proving by Axle-counters (No. of Block Sections)	377	5	382
	(i) Single line section	214	-8	206
	a BPAC - Block panel	0	0	0
	b BPAC- Axle counter with Block Instrument	214	-8	206
	(ii) Double line section	163	13	176
	a BPAC - Block panel	0	0	0
	b BPAC- Axle counter with Block Instrument	163	13	176
9	Colour Light Signalling (Nos. of stations)	490	-5	485
	i. Multi Aspect	490	-5	485
	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	11	1067.45
	(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)	1347	51	1398
	(ii) Lifting Barriers at Level-Crossings (Nos. of Gates)	1909	-34	1875
	a. Electrically operated lifting Barrier (ELB) No of gates	44	-2	42
	b. Mechanically operated lifiting Barrier (MLB) No of gates	1865	-34	1831
	(iii) Telephone at Level-Crossings (Nos. of Gates)	1909	-20	1889
	(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)	25	15	40

5. Status of Signalling Assets as on 31.03.2021

Sl. No.	Description of Items	Status as on 31.03.2020	Added During 2020-2021	Status as on 31.03.2021
14	A Total No of Interlocked Stations (R.)	363	7	370
	(a) Standard-I Interlocking (R)	31	0	31
	(b) Standard-II Interlocking (R)	332	7	339
	(c) Standard-III Interlocking (R)	0	0	0
	(d) Standard-IV Interlocking (R)	0	0	0
	B Total No of Interlocked stations (Nos)	490	-5	485
	(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)	459	-5	454
	(a) Standard-I (Nos.)	15	-5	10
	(b) Standard-II (Nos.)	0	0	0
	(c) Standard-III/IIR (Nos.)	444	0	444
15	B Total No. of stations. (Nos.)	498	-5	493
	(i) Spl class stns.	88	-3	85
	(ii) A class stns.	0	0	0
	(iii) B class stns.	465	-2	404
	(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	-2	5
	(a) Standard-IR Interlocking	4	-1	3
	(b) Standard-II Interlocking	0	0	0
	(c) Standard-III/IIR Interlocking	3	-1	2
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.	303	-18	285
	(i) Stations with MACL Signals	303	-18	285
	(a) Standard-I/IR Interlocking	13	-1	12
	(b) Standard-IIR Interlocking	185	-6	179
	(c) Standard-III/IIR Interlocking	277	-13	264
	(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 31.03.2021

Sl. No.	Description of Items	Status as on 31.03.2020	Added During 2020-2021	Status as on 31.03.2021
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	28	195
	a Hot	123	32	155
	b Warm	44	0	44
	i. Microlock II (Ansaldo)	44	-4	40
	a Hot	54	1	55
	b Warm	14	6	20
	ii Westrace (Invensys)	40	-5	35
	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	21	48
	a Hot	27	20	47
	b Warm	0	1	1
	vii Medha	54	6	60
	a Hot	54	6	60
	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 31.03.2020	Added During 2020-2021	Status as on 31.03.2021
	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)	3430	-35	3395
	(i) FM to FM	490	-5	485
	(ii) FM to BSL (St)	490	-5	485
	(iii) FM to BSL (T/O)	490	-5	485
	(iv) FM to Home (St)	490	-5	485
	(v) FM to Home (T/O)	490	-5	485
	(vi) loop line	490	-5	485
	(vii) Others (Calling on, Approach track circuiting etc.)	490	-5	485
23	Complete Track circuiting of Yard Station (No of stations)	490	-5	485
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	40	0	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	242	-45	197
	(b) Equipments/Track circuits (sets)	424	-65	359
	(ii) MSDAC (Multi Entry)			
	(a) Stations	6	6	12
	(b) Equipments/Track circuits	50	126	176
	(iii) HASSDAC			
	(a) Stations / No. of B. Section	130	57	187
	(b) Sets	194	96	290
28	ANALOG AXLE-COUNTERS (Nos.)			
	(i) Single Entry			
	(a) Stations / No. of B. Section	5	-2	3
	(b) Equipments/Track circuits (sets)	18	-8	10
	(ii) Multi Entry	—	—	—
	(a) Stations	—	—	—
	(b) Equipments/Track circuits	—	—	—

5. Status of Signalling Assets sas on 31.03.2021 (Year Book)

Sl. No.	Description of Items	Status as on 31.03.2020	Added During 2020-2021	Status as on 31.03.2021
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	490	-5	485
	(b) No of Signals	9218	435	9653
	(c) No of Aspects	28011	3709	31720
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)	490	-5	485
34	Data - loggers (Total os stations)	487	-2	485
	(i) Stand Alone (Nos.)	0	0	0
	(ii) Networking Mode (Section / Nos.)	487	-2	485
	(iii) Networking with division	487	-2	485
	(iv) Networking with zonal HQ	487	-2	485
	(v) Networking with Railway Board	487	-2	485
35	Integrated Power Supply (No of stns)	475	5	480
	(i) SCR Based (No of stns)	0	0	0
	(ii) SMPS Based (No of stns)	475	5	480
36	Point Machines (Nos.)	6507	120	6627
	(i) IRS Type	6438	18	6456
	(ii) Siemens Type	0	0	0
	(iii) Clamp Type	69	102	171
	(iv) Other	0	0	0
37	Batteries (Nos.)	83586	10906	94492
	i 2V Cells 40 AH	0	150	150
	ii 2V Cells 80 AH	43201	2184	45385
	iii 2V Cells 120 AH	9603	-589	9014
	iv 2V Cells 200 AH	25295	6082	31377
	v 2V Cells 300AH	5395	1360	6755
	vi 2V Cells 400 AH	92	87	179
	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	1632	1632
	xi Battery Set 4/24 V	0	0	0

5A. Signal Equipment Failures

Sl. No.	Signal Failures	Number of Failures			
		Previous Year 2019-20		Current Year 2020-21	
I. On Signal Account :-		<i>Nos.</i>	<i>%</i>	<i>Nos.</i>	<i>%</i>
(a)	In colour light Signalling area	1,760	72.97	1,093	78.69
(b)	In semaphore signalling area.	0	0.00	0	0
Sub-Total		1,760	72.97	1,093	78.69
II. On Account of others :-					
1.	Operating Department ..	129	5.35	23	1.66
2.	Mechanical Department ..	2	0.08	1	0.07
3.	Engineering Department ..	166	6.88	85	6.12
4.	Electrical Department ..	36	1.49	27	1.94
5.	D. O. T. ..	0	0	0	0.00
6.	Miscreant ..	26	1.081	20	1.44
7.	Miscellaneous ..	256	10.61	98	7.06
8.	S & T Construction ..	37	1.53	42	3.02
Sub-Total ..		652	27.03	296	21.31
Total (I + II) ..		2412	100.00	1389	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.

6A. 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, Out turn 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 Out turn of the workshop can be seen from the figures given below.

Sl. No.	Description	(Production in numbers) 2020-2021 (Production less due to COVID-19 Pandemic lockdown)
01.	Q Type Plug in type Relays	36859
02.	IRS Point Machine (143 mm)	4050
	IRS Point Machine (220 mm)	329
03.	Token Less Block Instrument-Push button Type	112
04.	Double Line Block Instrument	129
05.	L.C Gate Panel	145
06.	Polarized Relay	360
07.	GRS Apparatus Cases Full	710
	GRS Apparatus Cases Half	371

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.)
2020 – 21	8165.59	739	11.04

❖ The Outturn per employee for the year 2020 – 21 Rs.11 Lakhs.

Incentive Scheme during the year 2019-20 and 2020-21

The incentive scheme was introduced in this workshop from 1st August 1963. An average of 545 staff per month were covered under incentive scheme for the year 2020-21 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 2020–21

- (a) Procurement action has been initiated for CNC Fibre Laser Cutting Machine and Spectrometer Equipment. Heavy duty flooring work completed in LMS, Foundation work completed for 4 units Toilets constructed.

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 trail 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.

Vaccine camp for first and second dose were organised for employees and their family members during the year 2020–21.

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
2020 - 21	40	1854

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
2020 - 21	27

Rail Kaushal Vikas Yojana (RKVY) was launched in the year 2021 at S & T/WS. Under this scheme, S & T/WS/PTJ is nominated in Southern Railway to train the youths. As on date total 45 students (machinist – 19, Electrical – 26, Fitter – Nil) have been trained at S & T/WS/PTJ under this scheme.

6B. S & T TRAINING SCHOOL - PODANUR
Details of Trainees Who Had Undergone Training
for the Period From April 2020 to March 2021
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. INTIAL COURSES					
1	Initial course for App.ESMs	9	9	889	889
2	Initial course for App.TCMs	4	4	226	226
3	Initial Course for Promoted JE/Sig.	4	4	45	45
4	Initial Course for Promoted JE/Tele	2	2	6	6
	Total	19	19	1166	1166
II. REFSHER COURSES					
1	Refresher course for ESMs.	5	5	265	265
2	Refresher course for TCMs.	5	5	131	131
	TOTAL	10	10	396	396
III. FOUNDATION COURSES					
1	Foundation course for ESMs.	2	2	82	82
2	Foundation course for TCMs.	1	1	24	24
	TOTAL	3	3	106	106
IV. PROMOTIONAL COURSES					
1	Promotional Course/Signal	2	2	4	4
2	Promotional Course/Telecom.	0	0	0	0
3	Promotional Course C to B	0	0	0	0
	TOTAL	2	2	4	4
V. MODULAR COURSES					
1	Modular Course/Signal	0	0	0	0
2	Modular Course/Tele	0	0	0	0
	TOTAL	0	0	0	0
VI. COMMON COURSES					
1	Yoga & Meditation	0	0	0	0
2	Computer appreciation	0	0	0	0
3	Civil defence	0	0	0	0
	TOTAL	0	0	0	0
VII. EQUIPMENT COURSES (SIGNAL)					
1	EI	1	1	28	28
2	IPS & Data Logger.	1	1	38	38
3	BPAC, HASSDAC/SSDAC	1	1	42	42
	TOTAL	1	1	108	108
VIII. SPECIAL COURSES/SIGNAL					
1	2 days course/Point Machine	2	2	62	62
	TOTAL	2	2	62	62
IX. EQUIPMENT COURSES (TELECOMM.)					
1	Multiplexing techniques PDH/SDH	1	1	12	12
	TOTAL	1	1	12	12
X. Special Course/Tele					
1	Nil	0	0	0	0
	TOTAL	0	0	0	0
XI. Project saksham					
1	Nil	0	0	0	0
	TOTAL	0	0	0	0
	GRAND TOTAL	40	40	1854	1854

Sl. No.	Nature of course	seats allotted	seats utilised	% of utilisation
1	Intial Course	1166	1166	100%
2	Refersher Course	396	396	100%
3	Foundation Course	106	106	100%
4	Promotional Course	4	4	100%
5	Modular Course	0	0	0%
6	Common Courses	0	0	0%
7	Equipment Courses/Signal	108	108	100%
8	Special Courses/Signal	62	62	100%
9	Equipment Courses/Tele	12	12	100%
10	Equipment Courses/Tele	0	0	0%
11	Project saksham	0	0	0%
	TOTAL	1854	1854	100%

7. Staff

(i) **Total strength of staff (cadrewise separately for Signal and Tele-communication staff) in respect of Inspectors and Artizans 2020-21.**

Sl. No.	Category	Total Nos.
(a) Signalling		
1	Signal Engineers	346
2	Technician/Signal	1,607

(b) Tele-communication

1	Tele-commn. Engineers	234
2	Technician, Tele-commn	634

(ii) **Total No. of Signalling and Tele-communication staff recruited in respect of Inspectors and Artizans.**

(Vacancies assessed for placing ON LINE Indent)

(a) Through Railway Recruitment Board

1	SSE/Sig.		..
2	JE/Sig.		49
3	SEE/Tele.		..
4	JE/Tele.		50
5	Technician/Gr. II/Signal	..	..
6	Technician/Gr. III/Signal	..	289
7	Technician/Gr. III/Tele.	..	129

(iii) **Total No. of Staff trained through Zonal Training Schools/Centres category wise during 2020-21.**

Sl. No.	Name of Course	No. of staff trained
1	Refresher Course	396
2	Initial Course	1052
3	Equipment Course	182
4	Foundation Course	147
5	Pre-promotional Courses (a) ESMs/MSMs/TCMs	43
6	Other courses - Computer courses	0
	Other courses - Modular	0
	Total	1820

(iv) Signal and Tele-communication Units for 2020-21

Sl. No.	Division	DISTUs
1	Chennai	5,22,377
2	Salem	2,06,331
3	Palakkad	1,99,918
4	Thiruvananthapuram	2,40,214
5	Tiruchchirappalli	2,00,547
6	Madurai	1,92,885
	Total	15,62,272
	ZISTUS	57,68,010

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 **6105** 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 Rs. 295.55 Crores during 2020-21. 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 2020-21 (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	885	22.26	147
2	General Stores Depot, Palakkad (07)	Supply of materials required for the Palakkad Division.	740	4.17	15
		Disposal of scrap arising in Palakkad Division	45	27.31	
3	General Stores Depot, Erode (13)	Supply of materials required for the Salem Division.	878	7.66	10
		Disposal of scrap arising in Salem Division	29	19.88	
4	General Stores Depot, Madurai (14)	Supply of materials required for the Madurai Division.	818	5.65	28
		Disposal of scrap arising in Madurai Division	39	8.52	
5	General Stores Depot, Quilon (20)	Supply of materials required for the Trivandrum Division.	917	6.58	15
		Disposal of scrap arising in Trivandrum Division	47	28.12	
6	General Stores Depot, Golden Rock (24)	Supply of materials required for the Tiruchirapalli Division.	855	5.49	20
		Disposal of scrap arising in Tiruchirapalli Division	47	3.47	
7	Coach Maintenance Stores Depot, Basin Bridge (25)	Supply of C&W materials required for coach maintenance depot att BBQ.	291	5.68	13
		Disposal of scrap arising in Chennai Division	34	16.55	

(*) – 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 2020-21 (in Crs. of ₹)	Staff Strength
1	Diesel Stores Depot, Erode (08)	Supply of materials required for Diesel Loco Shed, Erode.	1038	10.49	17
2	Electric Loco Stores Depot, Royapuram (15)	Supply of materials required for Electric Loco Shed, Royapuram.	322	13.02	10
3	Diesel shed/Stores Depot Golden Rock (19)	Supply of materials required for Diesel Loco Shed, Golden Rock.	965	13.01	24
4	Electric Loco Stores Depot, Arakkonam (21)	Supply of materials required for Electric Loco Shed, Arakkonam.	700	11.31	25
5	Electric Loco Stores Depot, Erode (22)	Supply of materials required for Electric Loco Shed, Erode.	685	11.45	12
6	Diesel Stores Depot, Ernakulam (23)	Supply of materials required for Diesel Loco Shed, Ernakulam.	578	4.69	14
7	Diesel Stores Depot, Tondiarpet (26)	Supply of materials required for Diesel Loco Shed, Tondiarpet.	385	2.21	12

2. 3 Depots attached with Workshop :

Sl. No.	Name of the depot (Depot Code)	Brief function	No. of items stocked	Issue value 2020-21 (in Crs. of ₹)	Staff Strength
1	Loco Stores Depot, Perambur (01)	Supply of materials required for Loco Workshop, Perambur.	1425	75.59	45
2	Mechanical Stores Depot/ GOC (02)	Supply of materials required for Mechanical Workshop, Golden Rock.	908	86.48	130
3	Branch Stores Arakkonam (09)	Supply of materials required for Engineering Workshop, Arakkonam.	44	1.38	3
4	Diesel Stores Depot GOC (18)	Supply of materials required for Diesel POH Shop, Golden Rock.	1141	27.74	11
5	Carriage Stores Depot/ Perambur (28)	Supply of materials required for Carriage Workshop, Perambur.	1206	190.27	55

2. 4 Depots attached with EMU Sheds :

Sl. No.	Name of the Depot (Depot Code)	Brief function	No. of items stocked	Issue value 2020-21 (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.	542	7.88	15
2	Traction Stores Depot, Avadi (27)	Supply of materials required for maintenance of EMU Car shed at Avadi.	527	8.93	17

2. 5 Depots attached to Manufacturing Shops :

Sl. No.	Name of the depot (Depot Code)	Brief function	No. of items stocked	Issue value 2020-21 (in Crs. of ₹)	Staff Strength
1	Signal Stores Depot, Podanur (11)	Supply of materials required for Signal & Telecom. Workshop, Podanur.	231	91.40	32
		Disposal of scrap arising from Workshop.	57	6.14	
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.		25

2.6 Other Depots :

Sl. No.	Name of the depot (Depot Code)	Brief function	No. of items	Issue value 2020-21 (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.	200	81.74	included in 03 depot
2	Combined scrap Stores Depot, Goldenrock (05)	Receiving of scrap from various shops/sheds situated at GOC and its disposal.	164	67.28	27

2.7. PRINTING PRESS :

Sl. No.	Name of the depot (Depot Code)	Brief function	No. of items	Issue value 2020-21 (in Crs. of ₹)	Staff Strength
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.	5	0.39	11

This workshops meets the requirements of Books and Forms and Money-value items like Tickets, Excess Fare Tickets, etc.

As per the extant instructions of Railway Board, the requirement of Books and Forms by South Western Railway, ICF, RRB, Construction Organisation, Railway Claims Tribunal, etc are also met by Printing Press.

PRS/UTS tickets and Money value items requirement by Cluster Railways (SWR, WCR, ECoR) are also met by Printing Press/Southern Railway as per the extant instructions of Railway Board.

2.7.1 TARGET AND ACHIEVEMENT :

Against the targeted out turn of 6.00 Crores the the production output of DFCI (Double Foolscape Impression) has been 1.28 Core. This also includes standard forms and money value items. Low production is due to Press/RPM is under closure.

2.7.2. PRODUCTIVITY OF PRS/UTS/ATVM/PCT :

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 2020-21 is as follows :

(in Crs of tickets)

	UTS	PRS (*)	ATVM	PCT
Demand	5.13	Nil	Nil	0.10
Supply	5.13	Nil	Nil	0.10

No demand for PRS, ATVM and PCT for the year 2020–21 due to COVID 19 pandemic Lock Down and also Press is under closure.

3.0 SCRAP DETAILS :

3.01 4.1 SCRAP DESPATCHES TO RWF/YNK :

Southern Railway despatched 5337.043 MT of Scrap Rails/HMS to RWF/YNK valuing Rs.13.77 Cr during 2020–21.

4.2 SCRAP - SALES PERFORMANCE :

As against the Railway Board's target of Rs. 280.00 Crs for the year 2020–21, Southern Railway has achieved a sale of Rs. 295.55 Crs.

5.0 Stores Balance—(2020-2021)

(Figs. in crores of ₹)

	Maintenance	Works	Total
(I) Opening 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
(ii) Receipts during the year	1016.40	1.31	1017.71
(iii) Issues during the year	973.10	1.07	974.17
(iv) Closing Balance			
Phy. stock without Adjustment	-40.19	0.55	-30.64
Adjustment	0.00	0.00	0.00
Stores Suspense balance	-21.48	0.00	-21.48
Total as per approx accounts	-61.67	0.55	-61.12

5.0 INVENTORY PERFORMANCE 2020-21 :

(figures in Crore of Rupees)

1) Overall Balance without fuel as on 31.03.2021	:	131.77
2) Overall Balance with fuel as on 31.03.2021	:	204.81
3) Total issues (without fuel)	:	872.74
4) Total issues (with fuel)	:	974.17
5) Turnover Ratio (without fuel)	:	15.10%
6) Turnover Ratio (with fuel)	:	21.02%

6.0 ECONOMY ACHIEVED IN USE OF STATIONERY AND OTHER DETAILS :

Stringent economy is enforced in the utilization of stationery and other materials of general usage.

7.0 PURCHASE OF STORES :

(figures in Crore of Rupees)

7.1 Purchase-Value of Railway Equipment and Stores : 2020-21

1. Total Value of equipment	-	2968.84
2. Value of Stores (GeM)	-	20.61
3. Value of Stores through Railway Board	-	1832.55
4. Value of Direct Purchase	-	1115.68

7.2 Details of Purchases of Stores (2020-21) :

(figures in Crore of Rupees)

1. Materials imported direct	-	5.28
2. Materials imported through agencies in India	-	0.00
3. Total imported direct and through agencies	-	5.28
4. Indigenous materials	-	2963.56
5. Total imported and indigenous	-	2968.84
6. Percentage of items (4) over (5)	-	99.82%

7.3 PURCHASES FROM KHADI, COTTAGE & SSI UNITS:

Value of Purchases falling within the Category of Khadi : 175.84 Crores

8.0 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	408.495	154.043	394.878	334.991
3	Plates	1566.600	514.418	1358.977	1376.676
4	Sheets	1810.250	414.737	1557.956	1683.903
5	Spring Steel	—	—	—	—
6	Tool Alloy & Steel Plates	—	—	—	—

9.0 DISPOSAL OF SCRAP :

During 2020-21, Southern Railway generated revenue of Rs. 295.55 Crores, by sale of various Scrap items.

Category of Scrap	Balance as on 01.04.19		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	909	1.54	43506	124.31	43035	122.963	1381	2.57
b. Other than P. Way scrap	397	0.77	32523	80.33	32387	79.99	136	0.33
II. Non-ferrous Scrap.	7	0.07	4268	47.33	4249	47.12	19	0.21
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	0	0	122	3.78	122	3.78	0	0
b. Coaches	0	0	253	16.24	253	16.24	0	0
c. Locos	0	0	0	0	0	0	0	0
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.	142	0.36	10348	25.64	10264	25.43	84.06	0.21

(*) - Misc Scrap includes T & P items, Machineries, Paper, Glass, etc.- disposed on tonnage basis.

10.0 SUPPLY OF LINEN ITEMS :

30,878 Nos of Bed Sheets, 4,110 Nos of Pillow Covers, 2,909 Nos of Pillows and 13,638 Nos of face Towels were supplied during 2020-21. The supply of linen items during 2020-21 is low owing to COVID, due to which supply of linen items to passengers in trains were stopped.

11. Receipt, Inspection & Issues of Stores**11.1 Statistics on Receipts and Inspection :—**

	2018–19	2019–20	2020–21
1. No. of Staff for clerical and supervision work (Nos.)	67	65	59
2. Yearly Expenditure of staff (Rs. in Lakhs.)	604.45	655.08	602.03
3. Value of stores inspected/received (Rs. in Lakhs)	86279.42	95082.82	77422.57
4. Cost of receipts and inspection per Rs. 100 of value of stores	0.70	0.69	0.78
5. Receipt notes granted per clerk per month	62	32	33

11.2 Statistics on Accounts and Departmental Stock Verification :

	2017–18	2019–20	2020–21
1. Percentage of items verified			
(a) with no discrepancy.	99.48	99.77	99.70
(b) with discrepancies			
Upto limit of ₹ 50/-	0.08	0.01	0.10
Upto limit of ₹ 1000/-	0.19	0.19	0.08
Above the limit of ₹ 1000/-	0.25	0.03	0.12

11.3 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
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	..
2020–21	0.17	0.182	0.165	..

11.4 Statistic on Unit cost of Issues

	2018-19	2019-20	2020–21
1. Value of stores issued during the year from the depots (figures in lakhs of Rs.)	108447.08	112678.00	87274
2. Pay and Allowances of depot staff (figures in lakhs of Rs.).	3361.09	2959.38	2601.40
3. Cost of making issues worth ₹ 100/- (in Rs.)	3.10	2.63	2.98

12.0 AVAILABILITY OF ITEMS (As on 31-03-2021) :

1. Total No. stocked	..	4409
2. No. of items available	..	4396
3. Percentage of availability	..	99.71%

13. Inactive and Surplus Stores :

(figures in lakh of ₹)

Details	As on 31–3–2020	As on 31–3–2021
1. Surplus	Nil	14.10
2. Inactive	43.00	173.40

14. Printing Press**14.1 Production :—** Total out-turn of Press/RPM of the year 2020–21 :—

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.	6,49,02,194	—	6,49,02,194
(ii) Work done for others	3,71,64,733	—	3,71,64,733
Total	10,20,66,927	—	10,20,66,927

14.2 Paper consumption for Press during the year 2020–21

For general stationery, printing of forms and Books for stations and ticket Offices, Boards is 74 MTs compared to 1139 MTs for year 2018-19.

14.3 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.		
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
2020-2021	2,58,000	—
(ii) Work done for others		
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	—
2020-2021	1,26,175	—

15.0 SHIPPING AND IMPORTS:

Southern Railway made no shipments in 2020–21.

16.0 RIGHT TO INFORMATION ACT:

A total number of 53 RTI applications and 4 appeals were received during the year 2020-21 and all were disposed within the prescribed time limit.

17.0 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 2020-21 is Rs. 20.61 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, 486 Nursing Personnel and 1756 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 2020-21

No.	Particulars	2020-21
1	Total No. of Beneficiaries ..	502590
2	Total No. of Outpatients ..	874011
3	Total No. of Inpatients ..	22724
4	Total No. of Special Surgeries ..	654
5	Total No. of Major Surgeries ..	1200
6	Total No. of Minor Surgeries ..	4696
7	Cost of Medical services (in rupees) ..	3,37,83,09,000
8	Cost of Medical services per head per annum ..	42,604.00
9	Cost of Health service (in rupees) ..	16,05,55,000
10	Cost of Health service per head per annum ..	2,006.00
11(a)	Cost of drugs (in rupees) ..	3,93,36,000
(b)	Total amount of reimbursement (in rupees) ..	3,89,02,673
12	Total cost of Medical & Health service per annum per head (in rupees) ..	48,392.00
13	No. of Rly employees & their families treated- New cases ..	2,56,880
14	No. of Females & Children treated - New cases ..	1,04,593
15	Daily average - out door attendance of Rly. employees & their families at Rly Hospital/ health units/ old & new cases ..	2,792
	No. of Hospitals ..	10
16	No. of Health Units	
A	With beds ..	41
B	Without beds ..	1
17	No. of Railway population per Railway Hospital/ health unit ..	9,768
18	No. of chest clinics ..	7
19	No. of dental clinics ..	6
20	No. of maternity clinics ..	26

No.	Particulars	2020-21
21 No. of beds		
A	General ..	907
B	TB ..	36
C	Maternity ..	102
D	Isolated ..	5
E	ICCU ..	85
	Total ..	1135
22 Health Units		
A	Emergency beds ..	52
B	Maternity beds ..	18
23	Total No. of beds in Hospitals/ Health Units, Chest clinics etc.,	1205
24	No. of beds per 1000 Rly. employees including TB beds ..	14
25	No. of beds per 1000 Rly. employees excluding TB beds ..	14
26	No. of TB beds reserved in Railway institutions. ..	36
27 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
28	No. of Rly. Population per Rly. Doctor ..	2566
29	No. of Road mobile vans ..	1
30 Accident Relief Medical Equipment		
A	ARME scale I ..	11
B	ARME scale II ..	28
31 No. of Operations Performed		
A	Major ..	1200
B	Minor ..	4696
C	Trivial ..	4431
32 Family Welfare Activities		
A	Centres ..	4
B	Sub- Centres ..	2
33 No. of Sterilization operation performed		
A	Tubectomy ..	62
B	Vasectomy ..	1
	Total ..	63
34	No. of I.U.D. inserted ..	32

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 Commissurotomy (PTMC)	-	21
□ Percutaneous Transluminal Coronary Angioplasty (PTCA)	-	219
□ Cardiac catheterization	-	24
□ Coronary Angiography	-	1207
□ Coronary Angiogram (CAG) + Diagnostic Cath	-	1012
□ Peripheral Intervention	-	25

(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 2020-21

* Open Heart Surgeries done	-	41
* CABG (by pass Surgery)	-	96
* Other Cardiac surgeries	-	27

(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.

The performance for the year 2020–21

* Special Major procedures	-	37
* Major procedures	-	19
* Minor procedures	-	6

(4) DEPARTMENT OF GENERAL MEDICINE :

The department has a total of 142 beds, inclusive of 10 ICU beds and 7 semi ICU beds. The modern Intensive Care Unit is known for its quality of work particularly for managing emergencies. The specialized services provided are ultrasound for 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. 919 endoscopies done in house were performed during the year. This department is recognized by National Board of Examinations for Post Graduate degree in medicine.

The performance for the year 2020–21

* Total No. of patients treated as IP	-	3862
* Total No. of ICU patients treated	-	1360
* Total No. of Endoscopies done	-	1058

(5) 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 2020–21

* No. of General Surgeries	-	573
* No. of Special Surgical procedure including Oncology & Vascular.	-	378
* No. of Trivial surgeries	-	90

(6) 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 2020–21

* Hip replacement surgeries	-	7
* Knee replacement surgeries	-	6
* Hip modular bipolar, Hemi-arthroplasty	-	11

(7) 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.

The performance for the year 2020–21

* Keyhole Surgeries performed	-	1338
* Normal Delivery	-	484
* Assisted Delivery	-	48
* LSCS Surgeries	-	806

(8) DEPARTMENT OF NEPHROLOGY :

A Full-fledged nephrology unit with all therapeutic measures, short of transplant are being done here. However, a transplant programme with empanelled private hospital is in place.

The performance for the year 2020–21

* Haemodialysis done in house	-	2723
* CAPD (Continuous ambulatory peritoneal dialysis).	-	9
* Haemodialysis done in outside	-	1257
* Transplants	-	2

(9) 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 2020–21

* Total No. of inpatients treated	-	775
* No. of Patients treated in ICU	-	272
* No. of Patients treated in NICU	-	628

(10) 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.

(11) 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.

(12) 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 2020–21

* Total No. of surgeries	-	89
* Special Surgeries	-	5

(13) 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. Cataract operation with IOL 645. Cataract operation without IOL 2.

The performance for the year 2020–21

* Cataract Surgeries	-	786
* Ocular procedures	-	39

(14) DEPARTMENT OF RADIOLOGY :

The Department of Radiology is equipped with two digital X-ray units and two high end ultrasound machines. No. of Radiology investigation done in house 54660 and outsourced 1041.

The performance for the year 2020–21

* Total No. of X-Rays	-	55701
* Total No. of USG	-	10894
* Ante-natal screening	-	1420

(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	-	774185
* Total No. of test done in Immuno Chemistry	-	82402
* Total No. of test done in Bacteriology	-	60592
* Total No. of test done in Serology	-	69027
* Total No. of Molecular diagnostics	-	11829
* Total No. of test done for Donors	-	199267
* Total No. of test done in Histopathology	-	2091
* Total No. of test done in Haematology	-	67370
* Total No. of test done in Clinical Pathology	-	179208

(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 50 MA X-ray machines. The Family Welfare Centre for Chennai Division is functioning at Egmore, which conducts Health Awareness & Screening programmes.

Chennai 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 2020–21

* Total No. of Outpatients treated	-	254797
* Total No. of Inpatients treated	-	920
* Total No. of Surgeries done	-	504
* Total No. of screening camps conducted	-	14

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 2020–21

* Total No. of Outpatients treated	-	126075
* Total No. of Inpatients treated	-	1861
* Total No. of Surgeries done	-	262
* Total No. of Special Surgeries	-	40
* Total No. of Major Surgeries	-	50
* Total No. of Minor Surgeries	-	172
* Total No. of Tubectomy done	-	26
* Total No. of screening camps conducted	-	9

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 2020–21

* Total No. of Outpatients treated	-101531
* Total No. of Inpatients treated	- 3574
* Total No. of Surgeries done	- 149
* Total No. of Special Surgeries	- 3
* Total No. of Major Surgeries	- 35
* Total No. of Minor Surgeries	- 111
* Total No. of screening camps conducted	- 1

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 2020–21

* Total No. of Outpatients treated	- 178935
* Total No. of Inpatients treated	- 3451
* Total No. of Surgeries done	- 294
* Total No. of Special Surgeries	- 29
* Total No. of Major Surgeries	- 100
* Total No. of Minor Surgeries	- 165
* Total No. of Tubectomy done	- 10
* Total No. of screening camps conducted	- 15

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 2020–21

* Total No. of Outpatients treated	- 42798
* Total No. of Inpatients treated	- 130
* Total No. of screening camps conducted	- 64

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 2020–21

* 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	- 90

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.

The following are the details of the activities in the year April 2020 – March 2021 :—

Divn.	Public Health Important Days		Health Education Sessions		Wellness Camps	
	No.	Beneficiaries	No.	Beneficiaries	No.	Beneficiaries
PER	3	939	2	250	27	2120
MAS	43	6781	26	1606	14	2064
TPJ	0	0	66	777	25	186
MDU	9	3465	88	1097	9	1852
SA	0	0	0	0	0	0
PGT	1	20	108	2453	1	45
TVC	14	2833	240	4888	90	8527
Total	70	14038	530	11071	156	14794

Pulse Polio Immunization:

Pulse Polio Immunization was given to 18,432 children below 5 years during Intensive Pulse Polio Immunization campaign from 31.01.2021 to 02.02.2021.

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	Vriddhachalam 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 and First Aid Training to staff are imparted regularly. The highlights of SJAB activities during the year.

Number of employees who were trained in first : 1344

First Aid post duty at Kanchipuram Railway Station in connection with **ATHIVARATHAR festival**.

Sl. No.	SJAB Corps	Period	No. of cases
1	ICF	15-07-2019 to 19-07-2019	800
2	MAS	20-07-2019 to 24-07-2019	772
3	MMC	25-07-2019 to 29-07-2019	520
4	GOC	30-07-2019 to 03-08-2019	650
5	PER	04-08-2019 to 08-08-2019	520
6	MDU	09-08-2019 to 13-08-2019	450
7	TPJ	14-08-2019 to 18-08-2019	300

Details of First Aid Post-Public duty performed by SJAB/ S. Rly.

Date	Corps (From – To)	Festival	Place	No. of Cases
12.05.2019-14.05.2019	Madurai	Pooram	Trissur	60
06.09.2019-08.09.2019	NJO/PER	Velankanni Madha	Nagapattinam	268
09.12.2019-11.12.2019	L&C/PER	Karthigai Deepam	Tiruvannamalai	673
09.01.2020-11.01.2020	Band/PER	Aarudra darsan	Chidambaram	149
23.01.2020-25.01.2020	AYM/PER	Thai Amavasai	Rameswaram	478
27.09.2019-29.09.2019	ICF	Mahalaya Amavasai	Rameswaram	93
01.11.2019-03.11.2019	ICF/Band	Skandhasasti	Tiruchendur	161
17.05.2019-19.05.2019	ICF Shell	Vaigasi Visakam	Madurai	103
14.01.2020-16.01.2020	ICF III	Mahara Jothi Ayyappa	Chenganur	205
03.01.2020-16.01.2020	TVC	Magaravilakku	Chenganur	856
30.12.2019-01.01.2020	TVC	Sivagiri	Varkala	223
31.12.2019-02.01.2020	TVC	Padi Utsavam	Tirutani	170

First Aid training details of various division of Southern Railway :

Date	Place	No. of Trainees
25.04.2019	Elec. Workshop/CW/PER	120
02.07.2019 to 04.07.2019	KCVL & CDMA Yard/TVC	160
25.07.2019 to 26.07.2019	Railway Institute/ Erumanapuram/ERS	60
08.08.2019 to 06.08.2019	Thrissur Railway Station	45
12.08.2019	CDO/TVC	40
13.08.2019	Quilon	70

First Aid Training at Zonal First Aid Training Centre/P. T. Colony, Aynavaram, Chennai-23.

Date	No. of Trainees	Date	No. of Trainees
08.01.2019 to 09.01.2019	33	22.01.2019 to 23.01.2019	20
05.02.2019 to 06.02.2019	24	19.02.2019 to 20.02.2019	35
05.03.2019 to 06.03.2019	45	22.03.2019 to 23.03.2019	48
02.04.2019 to 03.04.2019	67	23.04.2019 to 24.04.2019	20
07.05.2019 to 08.05.2019	61	21.05.2019 to 22.05.2019	38
06.06.2019 to 07.06.2019	24	25.06.2019 to 26.06.2019	44
02.07.2019 to 03.07.2019	26	23.07.2019 to 24.07.2019	58
06.08.2019 to 07.08.2019	37	20.08.2019 to 21.08.2019	24
03.09.2019 to 04.09.2019	39	24.09.2019 to 25.09.2019	37
05.11.2019 to 06.11.2019	29	26.11.2019 to 27.11.2019	31
03.12.2019 to 04.12.2019	33	17.12.2019 to 18.12.2019	38

INDUSTRIAL HEALTH SERVICES

Total Man-days Loss	551530 Days
RMC Man-days Loss per 1000 Employees	6989 Days
Man-days Loss due to Injury on Duty	30452 Days
IOD Man-days Loss per 1000 Employees	386 Days

MEDICAL EXAMINATIONS		2020-21
Pre-employment Candidates M/E	..	573
Periodical Employees M/E	..	6663
Aye One	..	1261
Aye Two	..	3508
Other Categories	..	1894

HEALTH SERVICES :

(A) Sanitation and Cleanliness

The Sanitation of 68 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 2018. Special campaigns were organised once a month in all A-1 category stations involving Social/Charitable organisations, NGOs, Bharat Scouts & Guide and NSS etc. The following were the Drives/ Campaigns held in the year 2020- 21.

- Swachh Rail Swachh 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 2020-21 are given below :

Bacteriological test :

No. of samples examined	..	2742
No. of samples found fit	..	2402
No. of samples found unfit	..	358
Percentage fit	..	87.02%

Residual Chlorine Test :

No. of samples examined	..	69511
No. of samples found fit	..	56693
No. of samples found unfit	..	128183
Percentage fit	..	81.55%

(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 2020-21 are given below :

Quality Control :			FSSAI :		
No. of food samples collected	..	6	No. of food samples collected	..	48
No. of samples found adulterated/ Misbranded/Sub-Std.	..	48	No. of samples found adulterated/ Misbranded/Sub-Std.	..	0
No. of samples found unsafe	..	24	No. of samples found unsafe	..	4

(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 56 Tubectomy and 1 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 2021

Department	Group 'A'	Group 'B'
Admin	48	62
Accounts	47	20
Engineering	116	88
Mechanical & CMT	68	18
Transportation (Traffic & Comm.)	55	16
Signal and Telecommunication	57	25
Electrical	61	26
Medical	191	0
Personnel	25	17
Stores	30	14
Security	30	0
Total	728	286

(B) Non Gazetted

Department	Group 'C'
Admin	624
Accounts	1,241
Engineering.. .. .	18,180
Mechanical & CMT	17,768
Transportation (Traffic & Comm.)	16,328
Signal and Telecommunication	3,950
Electrical	14,453
Medical	2,213
Personnel	1,413
Stores	980
Security	4,332
Total	81,482

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 2020-21			No. actually appointed in 2020-21		
	SC	ST	OBC	SC	ST	OBC
Group C and Erstwhile Group 'D'	-	-	-	783	449	1,660

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 2020-21.

(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'	-	-	267	90
(ii) Non Selection posts				
Group 'C' including Erstwhile Group 'D'	-	-	1,958	911

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 2021

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 2021.

Group	Total No. of employees as on 31st March 2020	Scheduled Castes	Percentage	Scheduled Tribes	Percentage
Group 'A'	692	146	21.10	41	5.92
Group 'B'	692	146	21.10	41	5.92
Group 'C' including Erstwhile Group 'D'	81666	15119	18.51	6455	7.90
Group 'D' Safaiwala	445	130	29.21	38	8.54

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 2020-2021.

Department	Group 'A'	Group 'B' (Promotion)
Personnel ..	1	..
General Management	..	..
Electrical ..	..	7
Transportation (Traffic & Comm.)	3	..
Engineering ..	5	5
Stores ..	..	..
S & T ..	..	3
Medical ..	10	1
Mechanical ..	6	4
Schools ..	..	..
Accounts ..	4	9

3. 1 (a) (ii) Number of Group 'B' Officers absorbed in Group 'A' during the year 2020-21.

IRPS—Nil, IRSEE—3, IRTS—Nil, IRSE—2,
IRSS—Nil, IRSSE—1, IRSME—Nil

3.1 (b) (i) Appointments in Group 'C' and 'D' categories for the year 2020-21.

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	4,809
Group 'D'	9,212	2,871
Grand Total	18,476	7,680

* Indents were placed in 2018-19 and papers received in 2020-21

3.1 (b) (ii) Recruitment of Non-gazetted staff for the last 3 years

Year	Group 'C'	Group 'D'	Total
2018-2019	..	..	..
2019-2020	4,809	2,871	7,680
2020-2021	162	30	192
Total	4,971	2,901	7,872

* Papers received in 2020-21

3.1 (b) (iii) Number of persons appointed against Physically Handicapped quota for the 2020-21. 51

3.1 (b) (iv) Number of persons appointed against Compassionate Grounds for the year 2020-21. ..

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 2020-21 are as follows :

Training Institutions	Mandatory Cours
RSC-Vadodara	324
IRICEN-Pune	304
IRISET-Secunderabad	23
IRIMEE-Jamalpur	03
IRIEEN-Nasik	02

4 (b) Training Group 'C' Staff

No	Branch	Initial	Pro-motional	Re-fresher	Special	Total
1.	Mechanical	1,986	430	3,205	10,121	15,742
2.	Electrical	726	1,094	1,738	925	4,483
3.	Engineering	906	31	144	335	1,416
4.	S & T	1,313	17	396	194	1,920
5.	Traffic & Commercial	1,625	742	3,963	3,889	10,219
6.	Personnel	..	..	..	..	..
Total		6,556	2,314	9,446	15,464	33,780

5. Issue of Passes and PTOs for year 2020-21

Statement for the Financial year ending 31st March 2021 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'	967	3537	4390	271	619	552
I Class	'C'	4752	7568	10400	1395	3372	3608
II Class	'C'	1414	1932	2739	701	645	1041
III AC	'C'	461	135	957	133	232	587
II Class	'D'	691	927	1490	336	414	641

Note :—The following Division/Units are not yet submitted their report are as under :-

DRMP/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.

No PNM Meeting was conducted during 2020-2021 due to Covid 19 pandemic

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 2020-2021 Pension Adalat were conducted from 15.12.2020 to 31.12.2020. Out of 746 cases, 36 cases pertaining to Headquarters were 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 Seven Railway Schools (i.e., Four Higher Secondary Schools and three 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 7 Schools, Five schools are following CBSE pattern and TWO schools are following Tamilnadu state Board syllabus.

In total 2285 children studied in the Railway Schools during the year 2020-2021.

(iii) (a) Staff Benefit Fund :**(i) Educational Assistance :**

An amount of Rs.7,86,05,500/-has been allotted towards scholarship for Professional /Technical Educational Assistance for the year 2020-21including scholarship for Non Professional / Non-Technicalcourses for wards of staff in GP uptoRs. 2,400/-

(ii) Book Bank :

Underthe auspices of CSBF, there are seven book banks in Southern Railway. These 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	₹. 20,000
Honorarium to HIV/AIDS Counselors @ RH / PER	₹. 89,600
Honorarium to Lab Technician @ RH / PER	₹. 86,933
Honorarium to Alcohol /Drug Counselors in Railway hospital/PER.	₹. 23,467
Honorarium to Speech Therapist in Railway Hospital/ PER	₹. 11,500
Provision of Light refreshment to Blood Donors at RH/PER.	₹. 1,23,484
Funeral expenses to the families of serving employees who expired @ RH / PER.	₹. 2,30,000
Financial Assistance to the families of the employees who have succumbed to Covid 19	₹. 1,80,000
Assistance for sickness to employee's (GP upto Rs. 4,600) amount sanctioned.	Under Process
Assistance for mentally/physically challenged employees & wards amount allotted.	Under Process

(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/Full timebasis.

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 ₹. 28,21,374/- has been utilized in all the above dispensaries during 2020-21.

(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	–	1

(vi) RECREATIONS AND AMUSEMENT :**a. Holiday Camps :**

Due to Covid 19 pandemic, No Holiday Camps were conducted during the year 2020-21.

(vii) Women empowerment activities

An amount of Rs.28,37,492 /- was allotted towards Women Empowerment Activities. Out of which, an amount of Rs.2,03,400 /- have been sanctioned towards gender sensitization programmes and International Women's Day celebrations held at Headquarters 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 :

		2020-2021	Remarks
		Group 'C'	
1. Signal & Telecommunication Department			
(i)	Signal (SSE)	228	
(ii)	Telecommunication (SSE)	165	
(iii)	Microwave (Artisans)	-	
2. Civil Engineering Department			
(i)	Civil Engineering Permanent Way (SSE)	333	
(ii)	Civil Engineering Works (SSE)	212	
(iii)	Civil Engineering Bridges (SSE & JE)	29	
(iv)	Civil Engineering Workshop (SSE & JE)	42	
3. Electrical Department			
(a)	Workshop & production Units		
(i)	EMUs	-	
(ii)	Others	48	
(iii)	Electric Locos	-	

		2020-2021	Remarks
		Group 'C'	
3. Electrical Department			
(b)	Open Line		
(i)	Electric Loco Shed	-	
(ii)	EMU Shed	-	
(iii)	Rolling Stock Operation	7	
(iv)	Traction Distribution	6	
(v)	General Services	12	
	© Construction		
(i)	Railway Electrification		
(ii)	Organization		
4 Commercial			
(i)	Commercial Clerks	2466	
(ii)	Ticket Checking Staff	2874	
(iii)	Catering Staff	74	
(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	143	
	b. CRC/PRC	3	
	c. Chief loco Ins	1	
	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 OLYMPICS :-**

- Sel.V.Revathy has been selected to represent India in 4x400m Relay Race.

❖ **SPORTS INFRASTRUCTURE DEVELOPMENT IN SOUTHERN RAILWAYS :-**

- 1) Tiruchirapalli Division Gymnasium is sanctioned with Three Lakhs for procurement of GYM equipments.
- (2) Multi Gym at the cost of Rs.8,76,000/- was inaugurated on 26.01.2021 in the Railway Stadium, Perambur in the presence of GM.
- (3) Snooker Table at the cost of Rs.5,25,100/-was inaugurated on 26.01.2021 in the Railway Stadium, Perambur in the presence of GM.

❖ **EVENTS ORGANISED IN SOUTHERN RAILWAYS :-**

- Southern Railway Sports Association has successfully organised in various events under FIT INDIA Campaign.
- Southern Railway Officer's Cyclothon under FIT INDIA movement organized on 20.12.2021 by SRSA. Many officers and their family members actively participated in the event.

❖ **ACHIEVEMENTS OF SOUTHERN RAILWAY SPORTS PERSONS IN THE NATIONAL CHAMPIONSHIP :-**

Sl. No.	Name	Details of Championship	Position
ATHLETICS			
1	Elakiyadasan	24th Federation Cup National	2nd place 1500m
2	Kanimozhi	Senior Athletic Championships	
3	Geo Jose	Patiala	
4	P.U.Chitra	9th March 2021 to 23rd March 2021	
VOLLEYBALL			
1	Minimol Abraham	Senior National Volleyball Championship 9th March 2021 to 23rd March 2021	Silver Medal for IR Team
2	K. J. Kapil Dev	69th Senior National Volleyball Championship, Bhubaneshwar 5th March 2021 to 11th March 2021	Coach for IR Team
POWERLIFTING			
1	Vinod Kumar Bolar	National Senior Equipped Powerlifting Championship 2020–21 Coimbatore	Coach
2	S. Nagarajan		Coach
3	Meenalatha	National Coaching Camp for Indian Womnen BB Team	Coach
BALL BADMINTON			
1	R. Rajesh	66th Senior National Ball Badminton Championship 31st March 2021 to 04th April 2021 Jaipur	Winners (GOLD)
2	A. Vivek		
3	N. Kalaiselvan		
CRICKET (WOMEN)			
1	D. Hemalatha	South Africa Tour of India 25th February 2021 to 17th March 2021	Represented INDIA
2	Thirshkamini	BCCI Senior Women Cricket One Day League 18th March 2021 to 06th April 2021	Represented IR Cricket (W) Team Winner

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 granted
1	Kanimozhi	Athletics	1st National Open Athletic Championship	2
2	Siva Anbarasi	Athletics	3rd National Open Athletic Championship	1
3	P. U. Chitra	Athletics	1st National Open Athletic Championship	3
4	Neena	Athletics	3rd National Open Athletic Championship	1
5	Vivek	Ball Badminton	Gold in Sr. National Ball Badminton Championships	2
6	Gopi	Ball Badminton	Medalist in Asian Games	2
7	Sonia Joy	Basket Ball	1st Sr. Nationals Championship	2
8	S. Ramkumar	Weightlifting	1st Sr. Nationals Championship	2

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	Manu Joseph	Volleyball
2	Satheesh Kumar	Body Building
3	E. Karthik	Bodybuilding
4	V. Rajesh	Ball Badminton

9 - Provision of Staff Quarters for the year 2020-21

The position regarding quarters for class III and class IV as indicated below :-

Sl.No.	Category	No.of staff as on 31.03.2021		No.of staff quarters available as on 31.03.2021
		Essential	Non-Essential	
1	Class III	1273	1735	Type I = 1337
2	Class IV	204	217	Type II = 8562
				Type III = 1949
				Type IV&V = 1281
Total		1477	1952	13129

Provision of Staff Quarters for the year 2020-21													
1. Provision of Quarters													
			Programmed Quarters No. of Quarters completed					Quarters involved in schemes - New lines doubling etc. No. of Quarters completed					
Sl. No.	Type of Quarters	Division	2019-20		2020-21		No. of Quarters under various stage of construction as 31-03-2021	2019-20		2020-21		No. of Quarters under various stage of construction as 31-03-2021	Total No. of Quarters provided upto 31-03-2021 including Quarters involved in schemes new lines doubling etc.
			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	-	-	-	-	-	-	-	-	-	-	
4.		TVC	5	44.30	-	-	-	12	168.88	-	-	1234	
5.		TPJ	-	-	-	-	-	-	-	-	-	-	
6.		MDU	-	-	-	-	-	-	-	-	-	-	
7.		CE/CN/ERS	-	-	-	-	-	-	-	-	-	-	
8.		CE/CN/MS	-	-	-	-	-	-	-	-	-	-	
9.		MTP	-	-	-	-	-	-	-	-	-	-	
		Total	5	44.30	-	-	-	12	168.88	-	-	1234	
1.	Type-II	MAS	4	32.00	2	2.50	-	-	-	-	-	-	
2.		SA	44	606.30	46	631.30	-	-	-	-	-	-	
3.		PGT	-	0.00	-	-	-	-	-	-	-	715	
4.		TVC	-	-	-	-	-	4	47.00	-	-	-	
5.		TPJ	24	324.68	18	232.02	24	-	-	-	-	18	
6.		MDU	-	-	8	94.00	-	-	-	-	-	8	
7.		CE/CN/ERS	-	-	-	-	-	-	-	-	32	16	
8.		CE/CN/MS	-	-	-	-	-	-	-	-	-	-	
9.		MTP	-	-	-	-	-	-	-	-	-	-	
		Total	72	962.98	56	959.82	24	4	47	-	-	757	
1.	Type-III	MAS	11	154.00	-	-	-	-	-	-	-	-	
2.		SA	-	-	-	-	-	-	-	-	-	-	
3.		PGT	-	-	-	-	-	-	-	-	-	294	
4.		TVC	-	-	4	72.38	-	2	53.00	-	-	-	
5.		TPJ	2	41.66	-	-	-	-	-	-	-	4	
6.		MDU	3	42.00	-	-	-	-	-	-	-	-	
7.		CE/CN/ERS	-	-	-	-	-	-	-	-	-	-	
8.		CE/CN/MS	-	-	-	-	-	-	-	-	-	-	
9.		MTP	-	-	-	-	-	-	-	-	-	-	
		Total	16	237.66	11	154.00	6	2	53.00	-	-	298	

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 31-03-2021	Quarters involved in schemes			No. of Quarters under various stage of construction as 31-03-2021	Total No. of Quarters provided upto 31-03-2021 including Quarters involved in schemes new lines doubling etc.	
			2019-20		2020-21		2019-20		2020-21			
			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.	Barracks	MAS	-	-	-	-	-	-	-	-	-	
2.		SA	-	-	-	-	-	-	-	-	-	
3.		PGT	-	-	-	-	-	-	-	-	-	
4.		TVC	-	-	-	-	-	-	-	-	-	
5.		TPJ	-	-	-	-	-	-	-	-	-	
6.		MDU	-	-	-	-	-	-	-	-	-	
7.		CE/CN/ERS	-	-	-	-	-	-	-	-	-	
8.		CE/CN/MS	-	-	-	-	-	-	-	-	-	
9.		MTP	-	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	-	-	-	-	

Provision of Staff Quarters for the year 2020-21												
Sl. No.	Type of Quarters	Programmed Quarters No. of Quarters completed			No. of Quarters under various stage of construction as 31-03-2021	Quarters involved in schemes- New lines doubling etc. No. of Quarters			No. of Quarters under various stage of construction as 31-03-2021	Total No. of Quarters provided upto 31-03-2021 including Quarters involved in schemes new lines doubling etc.		
		2019-20		2019-21		2019-20		2019-21				
		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	5	44.3	0	0	12	168.88	0	0	1234		
2.	Type II	72	962.98	56	959.82	4	47	0	0	757		
3.	Type III	11	154	0	72.38	2	53	0	0	298		
4.	Type IV	15	406.86	7	157.2	2	81.31	0	0	324		
5.	Type IV SPL	0	0	0	0	0	0	0	0	0		
6.	Type V	0	0	0	0	0	0	0	0	482		
7.	Barracks	0	0	0	0	0	0	0	0	0		
Total		170	2634.44	98	1568.14	18	0	18	268.88	3142		

XIII. यात्रियों को सुख-सुविधाएं/AMENITIES FOR PASSENGERS

1. Permanent Augmentation of Special Trains done during 2020-21

Sl. No.	Special T. No. (MSPC)/ Scheduled T. No.	No. of rakes in	Previous load Spl. Train Load	Regular T. No. load	Load after augmentation	Type & No. of coaches	Total No. Coach used augmentation	Date of augmentation
1.	06063/64 MS-NCJ-MS Spl. (T. No. 12667/68)	1	23	24	24	ACCN-1	1	14-01-21/15-01-21
2.	06067/68 MS-JU-MS Spl. (T. No. 22663/64)							16-01-21/18-01-21
3.	02611/12 MAS-NJP-MAS Spl. (T. No. 22611/22)	1	21	23	23	ACCN-1 ACCW-1	2	20-01-21/22-01-21 03-03-21/05-03-21
4.	06077/78 CBE-NZM-CBE Spl. (T. No. 12647/48)	1	22	24	23	ACCN-1	3	17-01-21/21-01-21
5.	06733/34 RMM-OKHA-RMM Spl. (T. No. 16733/34)	1	19	23	22	ACCN-1 GSCN-1 GS-1	3	15-01-21/19-01-21 12-02-21/16-02-21
6.	02643/44 ERS-PNBE-ERS Spl. (T. No. 22643/44)	2	23	24	24	ACCN-1	2	18-01-21/21-01-21
7.	06338/06337 ERS-OKHA-ERS Spl. (T. No. 16337/38)	2	18	23	21	ACCN-1 GS-1	6	15-01-21/18-01-21
						GSCN-1		
8.	06729/30 MDU-PUU-MDU	2	20	21	21	GS-1	2	15-01-21/16-01-21
9.	06347/48 TVC-MAQ-TVC Spl. (T. No. 16347/48)	4	20	23	23	ACCW-1 ACCN-1	12	06-03-21/09-03-21
10.	02620/19 MAQ-LTT-MAQ Spl. (T. No. 12619/20)					GSCN-1		07-03-21/08-03-21
11.	02639/40 MAS-ALLP-MAS Spl. (T. No. 22639/40)	4	22	23	23	GSCN-1	4	03-03-21/04-03-21
12.	02695/96 MAS-TVC-MAS Spl. (T. No. 12695/96)							05-03-21/06-03-21
13.	06019/20 MAS-MDU-MAS Spl. (T. No. 20601/02)	1	14	14	18	LWSCN-4	4	12-03-21/14-03-21
14.	02084/83 CBE-MV-CBE Spl. (T. No. 12084/83)	1	16	20	19	GSCZJ-3	3	12-03-21
	Total	20					40	

18. Water Supply 2020-21

Sl. No.	Divn	Name of work	Estimate cost in lakh of Rs.

II. Works in Progress**a. Works costing more than Rs.5 lakhs each.**

1	MAS	..	(i) SSE/W/RPM-Supply of drinking water by tanks mounted on lorry for Railway Colonies and stations in SSE/W/RPM for a period of one year.	77.02
			(ii) SSE/W/MPK - Repairs and maintenance of station and service building, cleaning of GLRs, OHTs in ADEN/II/B/MAS sub-divn for a period of one year.	84.74
2	SA	..	-	
3	PGT	..	(i) SRR - Out sourcing of water supply distribution	14.226
		..	(ii) CAN & CLT - ADEN/CAN - Supply of portable water for the summer season	46.71
		..	(iii) ADEN/PGT & SRR - Supply of portable water for summer season by contractors own source to Rly station and colony.	18.63
4	TVC	..	(i) Ernakulam Area - Supply of drinking water to Railway Establishment at Ernakulam, Ernakulam Marshalling Yard and Irumpanam Yard.	20.68
		..	(ii) Ernakulam Area - Supply of drinking water to Railway, establishments at ERS, ERN, ERM & IPN for one year.	43.98
5	TPJ	..	-	
6	MDU	..	SSE/W/SCT - (i) Complete renewal of drinking water pipelines in the station and colonies at SCT station.	50.00
7	CE/CN/MS	..	-	
8	CE/CN/ERS	..	-	
9	MTP	..	-	

b. Works costing less 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) SSE/W/SCT - (i) TML Station - Repairs to corroded GI pipe lines	4.00
			(ii) SSE/W/SCT - (ii) Pipe line work to PF 2 water cubicals	2.00
			(iii) SSE/W/SCT - (iii) KKZ Station - Repairs to corroded GI pipe lines	3.00
			(iv) SSE/W/VPT - (iv) VPT - Repairs to Roofing and Side Meshing in Steel Tanks on PF No.1/VPT ..	0.17
			(v) SSE/W/VPT - (v) VPT - Provision of Roofing and Side Meshing arrangements for sedimentation tank	4.85
			(vi) SSE/W/VPT - (vi) SGLM - Drilling of Borewell	2.23
			(vii) SSE/W/VPT - (vii) SVKS - Drilling of Borewell	2.23
			(viii) SSE/W/DG - (viii) Repair of TWARD board pipe line work in SSE/W/DG section	4.90
			(ix) SSE/W/DG - (ix) Repairs to Water Meter near GLR & Tank at DG in SSE/W/DG section	1.80
			(x) SSE/W/DG - (x) Station Colony pipe line repairs & provision of storage arrangements.4.50	
			(xi) SSE/W/DG - (xii) RWH arrangements at API station	1.95
			(xiii) SSE/W/DG - (xiii) RWH arrangements at AYR, VDM and TMP stations	4.00
7	CE/CN/MS	..	-	
8	CE/CN/ERS	..	-	
9	MTP	..	-	

18. Water Supply 2020-21

Sl. No.	Divn	Name of work	Estimate cost in lakh of Rs.

B. WORKS IN PROGRESS**a. Works costing more than Rs.5 lakhs each.**

1	MAS	(i) PER & PTC - Supply of drinking water to colonies on tank mounted on lorries to various locations in ADEN/Metro Sub-division.	31.90
		(ii) MS - Supply of drinking water by tanks mounted on lorry for Railway Colonies and station in SSE/W/MS for a period of 1 year.	761.00
		(iii) RPM - Supply of drinking water by tanks mounted on lorry for Railway Colonies and stations in SSE/W/RPM for a period of one year.	59.06
2	SA	-	
3	PGT	CAN - Supply of good drinking water at CAN Railway station and Staff Quarters	9.52
4	TVC	-	
5	TPJ	(i) Provision of water tank stage and PVC tank at gate lodges and supply of potable water through tankers to manned LC gates in CUPJ-VRI, MV-KKDI, NMJ-MQ, TJ-NR, NGT-VLNL & VM-TPJ (ML) Sec. for a period of one year (124 LCs).	57.62
		(ii) Proposed construction of water tank stage and PVC tank at gate lodges and supply of potable water through tankers to manned LC gates in VM-PDY, VM-KPD & VM-TPJ (CL) for a period of one year (89 gate lodges).	40.44
6	MDU	(i) SSE/W/KKDI - (i) 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 Chemmairamdam @ RMM station.	86.62
		(ii) SSE/W/KKDI - (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, construction of RCC Over Head Tank 90000 litre capacity) at RMM Station.	148.56
		(iii) SSE/W/KKDI - (iii) Karaikkudi Station - Construction one GLR with pipe line arrangements	12.41
		(iv) SSE/W/MDU - (iv) 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.	68.23
7	CE/CN/MS	-	
8	CE/CN/ERS	-	
9	MTP	-	

b. Works costing less than Rs.5 lakhs each.

1	MAS	MS - Trucking out of water from Metro Water filling point.	4.00
2	SA	(i) TPT sec. Providing of water taps in all platform sinks with replacement of damaged pipe lines (between TPT-LCR).	1.51
		(ii) KPPR - Water supply to Quarters and station.	2.92
		(iii) MGSJ - Water supply to Cabin & Gang Rest Room.	0.43
		(iv) SAMT - Water supply to stations.	4.46
3	PGT	-	
4	TVC	-	
5	TPJ	-	
6	MDU	(i) SSE/W/DG - (i) Repairs of pipe line work, old colony @ PLNI station	4.70
		(ii) SSE/W/DG - (ii) Repairs of RWH of Tamarappadi, Vadamarurai and Akkaraipatti stations	1.89
		(iii) Repairs of RWH at Ayyalur, Kalpattichattaram and Vayampatti stations	2.02
7	CE/CN/MS	-	
8	CE/CN/ERS	-	
9	MTP	-	

Drinking Water arrangements :

Railway Board transferred the mandated for installation of water machines at all category of stations from IRCTC to Zonal Railways on 08-07-2020, with future direction that the existing water vending machines shall operate under the management of IRCTC till the expiry of the contract period.

As on 31-03-2021, 179 Water Vending Machines (MAS 112, TVC 147 and PGT 20) are maintained by IRCTC.

SR – PASSENGER AMENITIES WORKS COMPLETED 2020-21

Sl. No.	Name of Work	Cost in (in lakhs)
1	CTRE station - Extension of High level platform to hold 24 coaches.	180.00
2	KPD - Construction of Multi level two wheeler parking at KPD.	170.00
3	KPD - Improvements to Approach road at KPD.	60.00
4	CTRE, AVN, THL, SVUR, LTI - Provision of Passenger toilet block and Divyang Toilet block.	75.00
5	Pre Fabricated toilet provided at MPI, PCKM, AB & GYM station.	80.00
6	Paving of PF surface at PCKM.	20.00
7	Repair of existing drainage arrangements between VN to VGM.	130.00
8	Construction of Boundary wall at GYM.	150.00
9	El commissioning & building work at JTJ.	206.00
10	PF Extension work at JTJ.	70.00
11	C/o Divyang toilets in 15 stations from ANNR to Tiruvalangadu.	30.00
12	C/o Toilet Blocks at various station from ANNR to Tiruvalangadu and Further toilet blocks in Progress worth.	30.00
13	Platform extension at TI for EMU train stoppages.	100.00
14	C/o PF shelter at AVD PF No.4, SVR PF No.3.	10.00
15	Construction of new Booking office at Pattabiram.	30.00
16	Toilet blocks at PER.	15.00
17	Booking office at PER Down slow line side.	20.00
18	Station approach Road VPY improved by providing black topping.	5.00
19	VLK station approach newly laid for a length of 1 Km.	21.00
20	PER circulating area improvement done by paving tiles.	5.00
21	Toilet blocks at WST.	10.00
22	MAS Road 11 CC Apron CTR work done.	120.00
23	BBQ coaching yard Pit line improvement in PL-5,PL-1,NL-1.	50.00
24	Construction of new Booking office at Patravakkam.	30.00
25	Construction of Divyang Toilet at KOTR, ABU, PVKM.	6.00
26	Circulating area improvements at MS station completed.	30.00
27	Renovation of upper class waiting hall at MS.	15.00
28	Retiring room 5 nos renovation at MS.	15.00
29	Provision of mini shelter platform shelters at MS.	10.00
30	Smart car parking at MS.	25.00
31	Divyang toilet at MSB, MPK, MSF.	15.00
32	BT road surface improvements circulating area @ MAS, MMC.	50.00
33	Two wheeler parking shed developed at MMC.	25.00
34	Pre fabricated toilet for public in circulating area at MAS completed through NLC.	15.00
35	Parcel office road at MAS station	10.00
36	SA Divn: Labour rest room & toilet facilities at goods sheds at TUP,SAMT,CBF & PLMD	136.00
37	SA Divn.-DEN/Central-Proposed Raising & extension of platform at ATU	214.00
38	SA Divn.- DEN/Central-Proposed raising of Low level PF to High Level PF of NSG 6 stations-,LP,SEV,PLI	90.00

PASSENGER AMENITIES WORKS COMPLETED 2020-21

Sl. No.	Name of Work	Cost in (in lakhs)
39	SA Divn.-DEN/West: Proposed provision of FOB at 2 Nos of NSG3 station-TUP	241.00
40	Mettupalaiyam (MTP)-NSG4 station DEN/West : Proposed provision of FOB at MTP.	127.00
41	Salem Divn: Provision of Monumental National Flag high mast at District Hqrs Railway Stations -SA, ED, TUP, UAM, NMKL & KRR.	62.00
42	Lift at COIMBATORE PF.NO.1&2 -1 No (Sanctioed works PB 1103 of 2019-20) NR- Lifts at A-1,A & Other pilgrim stations on Indian Railways- with high passenger density – Salem Division: Provision of Lifts at Erode – 2 Nos, Tiruppur – 2 Nos & Coimbatore Jn - 1 No)	40.00
43	Escalator at ERODE PF.NO.1&2 (Sanctioned works PB 1096 of 2019-20 Southern Railway - Escalators at various stations (22 Nos.) (10 Stations) (ED-2, CBE-4)	123.00
44	TIR- Second Entry Parking area, concourse are development& new booking office	65.00
45	TLY– Provision of 2 Nos. of lift	150.00
46	SRR – Provision of waiting hall at PF No.4/5.	18.00
47	BDJ – Provision of 16 Bays of IRS Type PF shelter on PF No.2/3	210.00
48	NAU – Raising and extension of PF No.2 from 180m to 270m.	45.00
49	MAQ – Provision of stainless steel water booth – 10 Nos.	3.00
50	MAJN – Provision of stainless steel water booth – 10 Nos.	3.00
51	MAJN – Provision of 2 Nos. of lift	150.00
52	PGT Jn. Railway station – Provision of Monumental flag	16.00
53	VNB Railway station – Raising & extension of PF No.2	49.00
54	VNB - Construction of Foot Over Bridge(FOB)	135.00
55	TA - Railway station – Raising & extension of 1,2 &3	180.00
56	KGQ – Provision of PF Shelter 5 bays cantliver type & 2 Nos. double butterfly type	70.00
57	KZE – Provision of PF Shelter 4 bays IRS butterfly Type	35.00
58	MAJN – Provision of PF Shelter 4 bays IRS butterfly Type	35.00
59	CDRA – Raising and extension of PF No.1&2	130.00
60	FK – Raising and extension of PF No.2 (150m)	100.00
61	MAQ- New PRS building , crew booking office & TTE rest room	420.00
62	CHPD - extension and raising of platform.	112.50
63	3 numbers of toilets constructed.	6.00
64	Paving of platforms at KVTa, PNPR, AROR, TRVZ, TMPY and TUVR.	118.38
65	Installation of 10 seater steel benches at ALLP - 30Nos.	14.10
66	Installation of 10 seater steel benches at KYJ - 30Nos.	14.10
67	Installation of 10 seater steel benches at KPY - 10Nos.	4.70
68	Installation of 10 seater steel benches at HAD - 10 Nos.	4.70
69	Installation of 10 seater steel benches at SRTL - 10Nos.	4.70
70	MQU raising of platform.	163.78
71	Installation of 10 seater steel benches at VAK - 20Nos.	9.40
72	Installation of 10 seater steel benches at KVU - 10Nos.	4.70
73	IJK raising of platform.	128.67
74	Construction of mini-type platform shelters at CKI.	2.00
75	Installation of 10 seater steel benches at AFK - 10Nos.	4.70

PASSENGER AMENITIES WORKS COMPLETED 2020-21

Sl. No.	Name of Work	Cost in (in lakhs)
76	Installation of 10 seater steel benches at AWY - 30Nos.	14.10
77	Installation of 10 seater steel benches at CKI - 10Nos.	4.70
78	Completed platform roofing at TRTR.	15.00
79	5 toilets constructed at ERS.	10.00
80	Installation of 10 seater steel benches at ERS - 30Nos.	14.10
81	Installation of 10 seater steel benches at ERN - 20Nos.	9.40
82	Passenger lifts at QLN.	120.00
83	Installation of 10 seater steel benches at QLN - 30Nos.	14.10
84	Installation of 10 seater steel benches at PVU - 20Nos.	9.40
85	Foot over bridge at QLN.	380.00
86	Construction of multi-level two wheeler parking at KTYM.	226.22
87	Face-lift works at KTYM - Improvements to façade of station building, anti-fungal painting, development of greenery etc.	215.00
88	Installation of 10 seater steel benches at KTYM - 30Nos.	14.10
89	Installation of 10 seater steel benches at PVRD - 20Nos.	9.40
90	CGY - Provision of 2 bays platform shelter.	40.00
91	Construction of toilets at STKT and MVLK.	10.00
92	Installation of 10 seater steel benches at CGY - 30Nos.	14.10
93	Installation of 10 seater steel benches at CNGR - 30Nos.	14.10
94	Installation of 10 seater steel benches at MVLK - 10Nos.	4.70
95	Provision of passenger escalators at TRVL.	150.00
96	Improvements to parking area at TRVL.	70.00
97	Provision of 6 bays of platform shelter at TRVL.	96.00
98	Construction of toilets at TRVL.	10.00
99	Installation of 10 seater steel benches at TRVL - 30Nos.	14.10
100	KCVL raising and extension of platform.	95.00
101	Water recycling plant at KCVL.	168.00
102	Water recycling plant at TVC.	168.00
103	Installation of 10 seater steel benches at KZK - 10Nos.	4.70
104	Installation of 10 seater steel benches at KCVL - 20Nos.	9.40
105	Construction of mini-type platform shelters.	2.00
106	Installation of 10 seater steel benches at TCR.	14.10
107	Construction of toilets at NCJ, CAPE, PYD and THX.	10.00
108	Platform shelters at NPK and SGLM.	64.00
109	TPJ Dn - Provision of Monumental flag posts at TPJ, TJ, TVR,ALU and CUPJ	55.00
110	TT Railway station - Raising of PF No.2	75.00
111	Provision of stainless steel benches 326 nos at various stations of TPJ division -	150.00
112	Provision of FOB at ALK	200.00
113	ASD & TEN Prefabricated toilets	420.00
114	Provision of Stainless steel benches 296 nos in the following 18 stations PMK,RMD,MMM,RMM,SDN, MDU, VPT,SVKS, SRT, PUU, SCT, TSI, KKY, PLI,ODC,DG,ABI,KQN.	100.00
115	Provision of Mounmental flags at TEN,TN,VPT &TSI	51.00
	GrandTotal	8337.15

SR-Passenger Amenities Works in Progress during 2020-21

Sl. No.	Name of Work	Cost in (in lakhs)
1	MAS Divn - Raising PFs to High Level at 5 stations - AKM,DVR,ODR,PYA,PEL (NSG6) (10 PFs).	502.55
2	Chennai Division -MAS-AJJ Section - Elimination of deficiencies in MEA at 31 stations (NSG 2-2, NSG 3-1,SG 3-28 stations)	603.56
3	CHENNAI DIVISION - Construction of New booking office at PAB, VEU, AIP & AKAT	97.41
4	CHENNAI CENTRAL - Renovation of toilet block in New concourse	42.71
5	Replacement of precooling units in Basin Bridge and Gopalswamy Nagar coaching yards	189.55
6	Chengalpattu - Replacement of existing AC sheet roofing of platform shelters along with aluminium gutters	35.97
7	CHENNAI EGMORE - Provision of new FOB connecting PF No.5 to PF No.9 with roofing arrangements. (Id:1495/09-10)CE/OL.	247.45
8	MAS Division (MS-VM Section) - Elimination of deficiencies in MEA at 30 stations (NSG1-1,NSG2-1,NSG3-3,NSG -1, SG2-2,SG3-9, NSG5- 4, NSG6 -9 stations)	540.98
9	Veppampattu - Provision of Passenger subway	237.25
10	Chennai Division - Minimum essential passenger amenities incl amenities for disabled persons	1248.83
11	MAS DIVN- Provision of IRS type PF shelters at AIPP, MSB & AVD	94.80
12	MAS DIVN - Replacement of furniture in retiring rooms at TBM, MS & KPD	22.94
13	CHENNAI DIV- Rep of exg platform benches at stations in TBM-VM , MRTS, BBQ-TRL, RPM-GPD, AJJ-RU & TRL-JTJ sections	20.96
14	DEN/South/MAS jurisdiction - Improvements to existing toilets at all stations	99.72
15	Power Supply arrangements for quick watering works at MAS and MS stations	67.12
16	MAS Divn.-Provision of Double Discharge PFs at 8 stations-{MS(NSG1),GDY(SG2);MSC,MKK,SP,STM,PV,CMP(SG3)} & Raising of Low level PF to HL at PEI(NSG6)	1556.69
17	Sr.DEN/ Metro & Building/ MAS jurisdiction - Elimination of deficiencies in MEA at 23 Nos. of stations (NSG 1- 2, SG1-1, SG2-1, SG3-19 stations).	250.63
18	MAS Divn.- Reconstruction of existing FOB at 3 stations {ABU,KBT (SG3) & AVD (NSG2) stations} due to infringement in existing structures.	827.73
19	Sr.DEN/Metro/MAS jurisdiction - Improvements to existing toilets at all stations	115.00
20	Provision of Auto announcement system (IPIS) for 12 stations in chennai division	69.04
21	Chennai - Provision of minimum essential passenger amenities at various stations (Phase-II)	750.00
22	MAS DIVN - Replacement of chairs in waiting halls at A1, A & B category stations	12.01
23	Setting up of Quick watering arrangements at TBM Station.	238.99
24	Chennai egmore-Redevelopment of Chennai Egmore Station (NSG1) - Improvements to Passenger Amenities	1498.67
25	Chennai division – improvements to lighting arrangements in toilets at all railway stations	49.90
26	Chennai Division- Provision of Protective screens for complete length of existing FOB Gangways at various stations	220.30
27	“CHENNAI - ARAKKONAM Section - Extension of the existing FOB at Pattabiram and Vysarpadi Jeeva stations. (Id:1455/10-11) CE/OL	425.62
28	CHENNAI - ARAKKONAM Section - Extension of the existing FOB at HC and ANNR station.(Id:1457/10-11) CE/OL	210.40
29	CHENGALPATTU- Provision of multi level parking shed	226.15
30	MAS Divn.- Extension of platforms at 4 stations (3 NSG5 stations- AB,SHU,VN & 1 NSG6 station -VLT) (6 PFs).	426.37
31	ADEN/NWL sub division-Provision of PF shelters at PAB, PLMG, SVR, KOTR, PVM, TMVL, ANNR, HC, NEC, TI stations	249.73
32	Provision of surveillance cameras system at parcel offices (IPO/OPO &TP) and luggage offices at Chennai Central	63.00
33	CHENNAI DIVISION - AJJ-JTJ section -Paving of Platform surfaces at 5 stations - KVN, PCKM, SVUR, TUG and VN.	92.51
34	MAS Division - DEN/CENTRAL Jurisdiction- Extension of Foot Over Bridges at 3 nos of SG3 stations-PTLR, PLMG and EGT station.	375.27
35	Setting up of Quick watering arrangements at MAS Station	245.82
36	CHENNAI DIVISION - Reconstruction of booking office at AJJ, EKM, ENR,VJ, WST and MEH	219.06
37	95 Chennai Division - Supply, installation and fixing of stainless steel oscillating dustbins at various stations	91.33
38	Mambalam - Provision of 2 Nos. of Passenger Escalators.	248.71
39	CHENNAI DIVISION - Provision of seating arrangements	92.95
40	MAS Divn. - DEN/East Jurisdiction - Provision of FOB at 4 stations - DVR, ODR, PYA & PEL (NSG6).	565.51

PASSENGER AMENITIES WORKS COMPLETED 2020-2021

Sl. No.	Name of Work	Cost in (in lakhs)
41	Provision of various amenities at Goods shed at KOKG	248.06
42	Southern Railway - Provision for elimination of deficiencies in shortfall in water taps at various stations over MAS, SA & PGT Divisions.	171.10
43	Madurai jn~Madurai Junction - Improvements to washable cement concrete apron at Platform No.1 & 2	28.13
44	Paramakudi station - Proposed extension of existing Platform No.1, 2 & 3 for a total length of 580m	47.56
45	TIRUNELVELI Jn - Provision of passenger shelter for 6 bays in PF No.2&3.(id: 1709/ 08-09), CE /OL	238.17
46	MDU Division - Construction of PF toilet at MTE & KYZ	5.94
47	MDU Division - Providing various passenger amenity works to meet out the shortfalls of prescribed amenities at Adharsh stations.	233.91
48	Madurai - Provision of platform shelters	430.45
49	MDU Division - Provision of granite PF surface & concourse area at PUU, TEN & TN	236.36
50	MDU Division - Provision of Monumental National flag at DG, VPT, TEN, TN, RMD, PDKT, SVGA, TENI, TSI, PLNI, TCN, KKDI & RMM (13 stations)	75.58
51	RMM: Pro.OHT with pumping arrangement and 3 new wells at Chemmaimadam	90.60
52	Tirunelveli jn~TEN Jn - Improvements to circulating area, remodelling of concourse area and provision of airport style lighting arrangements.	108.02
53	CVP station - Proposed extension of high level platform No.1 & 2 to hold 24 bogies including platform fencing wall.	60.27
54	DEN/C/MDU Jurisdiction - Development of circulating/parking, PF shelter & approach road (6 stns) and Granite flooring of PF at MDU	361.59
55	DEN/Central & DEN/North jurisdiction : Construction of Divyang toilets at 41stations.	106.08
56	Virudhunagar jn~VPT jn - Provision of PF shelters 5 bays in 3 locations in PF No.4 and dewatered concrete in left over area of PF No.4	169.15
57	KIC - Provision of PF shelter, waiting hall, toilet and urinals	85.51
58	MDU Divn.- Sr.DEN/S jurisdiction-Proposed Raising of 14 Nos.of low level PF to HL PF at 9 stations (NSG5-2 stations, NSG6- 7 stations).	1077.14
59	MDU Divn. : - Sr.DEN/S jurisdiction - Proposed FOBs at 7 NSG6 stations KDU, SVV, ANY, SVPR, PBKS, AVS & KLQ stations .	961.25
60	Madurai Division - Provision of water coolers at 10 stations.	15.43
61	MDU Divn - DEN/N jurisdiction - Proposed FOB at 13 stations (NSG5 - 1 station, NSG6-12 Stations)	1800.35
62	Southern Railway: Provision of elimination of deficiency in shortfall in water taps at various stations over TVC, TPJ & MDU Divisions.	162.59
63	PGT Divn: KPQ, NLE, KMQ, CHV: Provision of IRS Type Shelters 8 bays at KPQ, 2 bays at NLE, 4 bays at KMQ & 4 bays at CHV.	203.44
64	PGT Division – Improvements to water supply arrangements at CAN and MAQ .	249.92
65	PGT Division - DEN/ West portion - Improvements to PF fencing with RCC pale fencing at various stations	263.56
66	Amenities to Adarsh stations - Ottappalam ,TKQ & retiring room for MAJN	94.78
67	PGT Divn. : DEN/West-Proposed FOBs at 4 nos of NSG6 stns ETK, PYOL, ELM, CS & Extension of existing FOB at MJS (NSG - 6) Station.	1129.77
68	PGT Divn. : DEN/ East - Proposed FOBs at 3 stations (NSG5- VNB,NSG6- CNV and MNUR Stations).	444.96
69	Palakkad Division - Provision for ramps, parking lots, non slippery walkway, water taps, signage & trolley path to comply the amenities of PwD	247.80
70	PGT Division - Proposed works at MJS, TIR, TLY and SRR (list attached).	222.51
71	MTP: Provision of Infiltration well, Collection well, Aeration ,sedimentation tank & auto-chlorination arrangements, Repairs to the PS tank &et	131.00
72	Karamadai (KAY)- DEN/W: Proposed extension of PF at KAY- NSG6 station.	213.92
73	Karamadai (KAY)- DEN/West: Proposed raising of LOW level PF to High Level PF in KAY (NSG6) station.	33.07
74	SA Division (SA -PTJ, CBF-MTP-UAM, IGU-PTJ Section) - Provision of soft upgrades to stations over DEN/WEST/SA jurisdiction.	1350.55
75	SA Division (ED-TP,SA-VRI,SA-KRR,KRR-DG Sections) - Provision of soft upgrades to stations over DEN/CENTRAL/SA jurisdiction.	801.46
76	Pilamedu~~Modification of OHE in connection with extension of platform at Pilamedu station.	91.16
77	Redevelopment of station building at Salem	1539.00

PASSENGER AMENITIES WORKS COMPLETED 2020-21

Sl. No.	Name of Work	Cost in (in lakhs)
78	SA Divn.- DEN/West- Proposed raising of Low level PF to High Level PF in 2 Nos of NSG6 station -VNJ,SUU	143.94
79	SA Divn:Provision of PF shelters with Galvalium sheet to make up shortfall in MEA	204.32
80	SA Divn.- DEN/Central-Proposed raising of Low level PF to High Level PF in 5 nos. of NSG 6 stations-VRQ,MYU,LP, SEV,PLI	442.86
81	Magudanchavadi (DC)- DEN/East: Proposed raising of Low level PF to High Level PF at DC (NSG6) station.	243.31
82	SA Divn. - DEN/E : Proposed provision of FOB at 3 nos of NSG6 stations-DSPT,DPI,DC.	394.86
83	TUP : improvements to unloading area and circulating of good sheds	82.03
84	SA Divn.-DEN/Central-Proposed extension of platform in 4 Nos of NSG5 category station -PGR,KLT,CHSM,ATU	469.57
85	SA Divn.- DEN/Central- Proposed raising of Low level PF to High Level PF in 4 nos. of NSG 5 stations-PGR,KLT, CHSM,ATU	695.84
86	Development and Facelifting of MTP Railway station	113.79
87	SA Divn.-DEN/West: Proposed provision of FOB at 2 Nos of NSG3 station-TUP,ED	513.80
88	Salem Division - Provision of Passenger Lifts at TPT and MAP Railway Station.	163.28
89	Magudanchavadi (DC).- DEN/E: Proposed extension of PF at DC (NSG6) station.	243.92
90	SA Divn.- DEN/Central- Proposed extension of platform in 5 nos of NSG6 station -VRQ,MYU,LP,SEV,PLI	719.21
91	TPJ Divn. -DEN/Central Jurisdiction - Provision of FOB at station MCJ (NSG6) and extension of PFs at 3 stations AYN (NSG6), TP & TRB(NSG5).	199.49
92	Sr. DEN/Central/TPJ Jurisdiction - Construction of additional GLR of 5 lakh litres capacity at Tiruchchirappalli Jn.	92.83
93	TPJ Division -Augmentation of existing DG set by new 500 KVA with AMF panel and accoustic proof enclosure for Tiruchchirappalli station.	63.98
94	DEN/Central/TPJ- Tiruchchirappalli Division -Redevelopment of station	2290.06
95	Tiruvannamalai (TNM) -Improvements to passenger amenities.	215.36
96	TPJ Dn- DEN/East Jurisdiction- CUPJ-VRI Sec.-Extension of PF towards CUPJ end for a length of 120m.at stations UMG,VLU,NVL,KJPD (single line).	104.48
97	TPJ - Provision of Public Escalator(Either Up/ Down Direction) - 2 Nos at station	252.13
98	DEN/East/TPJ Jurisdiction - Provision of IRS type PF shelter (4bays each) at TVR, KIK & PML stations and Construction of Retaining Wall at PML	281.74
99	DEN/East/TPJ Jurisdiction- Elimination of Shortfall in Minimum Essential amenities to passengers -PF shelter, Benches, taps etc.	69.84
100	TVC Division - Provision of Water Coolers, Signage Boards & Ceiling Fans at platforms to meet with the shortfall in MEA.	120.41
101	TVC Division (DEN/S Jurisdiction) - Paving of Platforms at 27 stations (NSG6 Category-9 Nos, HG category-18Nos)	532.72
102	DEN/N/TVC Jurisdiction -Elimination of Shortfalls in MEA such as PF Shelters, Benches, Urinals and Water Taps at various stations	558.96
103	TVC Dn-Provision of short term facilities for Persons with Disabilities at D,E,F category stations in Sr.DEN/N jurisdiction.	146.02
104	Thiruvananthapuram Division - Extension of platforms for holding longest stopping trains	472.70
105	TVC Divn:Provision of monumental Flag high mast of 30.5m(100ft) at District Headquarters stations viz.NCJ, QLN, ALLP & KTYM stations	86.02
106	TVC Divn.-DEN/S- Raising of PFs at 11 nos of stations (NSG3-KCVL,NSG4-VAK,NSG5-VLY,NSG6-MYY,KFI,EVA,CHPD,MAKM,MQU, SGLM, and NPK stations.	1283.52
107	DEN/S/TVC Jurisdiction -Provision of PF Shelters at KYJ(6 BAYS),VAK(6BAYS),KCVL(4 BAYS),STKT(2BAYS), KPY(2BAYS).	425.30
108	Kochuveli (KCVL)- Augmentation of water supply arrangements	245.30
109	TVC Divn.-DEN/N -Raising of PFs at 5 nos of stations (NSG5-WKI, GUV,IJK & NSG6-CWR,KLMR)	717.04
110	TVC Division: Construction and Improvements to toilets	244.08
111	Development of CAMTECH model carriage watering facilities at CAPE and ERS	281.28
112	Development of Adarsh stations-CAPE-Provision of waiting rooms,Improvements to PF no 1,2&3 &4,Provision of shelter on PF 1,2&3	137.16
113	TVC Divn.: DEN/South- Provision of FOB at 5 stations- NSG4-VAK, NSG6- EVA, KXP, MQU,KFI Stations	737.87
114	DEN/N-KTYM: Redevelopment of station	2502.23
115	TVC Divn - Provision of Passenger Lifts – 19 Nos. at 10 stations	849.05
	TOTAL	44243.63

2 (b). Details of Amenities provided during the Year 2020-21

Sl. No.	Description of Amenity	Unit	Amenities MAS Divn.		Amenities SA Divn.		Amenities PGT Divn.		Amenities TVC Divn.		Amenities TPJ Divn.		Amenities MDU Divn.		Amenities CE/CN/MS		Amenities MTP		Total Expenditure (in thousands of) Rs.		
			Provided During the Year 2018-19	Expenditure in Thousands of Rs.	Provided During the Year 2018-19	Expenditure in Thousands of Rs.	Provided During the Year 2018-19	Expenditure in Thousands of Rs.	Provided During the Year 2018-19	Expenditure in Thousands of Rs.	Provided During the Year 2018-19	Expenditure in Thousands of Rs.	Provided During the Year 2018-19	Expenditure in Thousands of Rs.	Provided During the Year 2018-19	Expenditure in Thousands of Rs.	Provided During the Year 2018-19	Expenditure in Thousands of Rs.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Waiting hall	Sq. m.	-	-	-	-	88.26	226.83	150.84	45.20	-	-	-	-	-	-	-	-	-	-	272.03
2	Seating arrangements	Nos.	410	4990.00	657	7706.00	356	120.00	40	1.02	160	4500.00	500	2500.00	-	-	-	-	40	618.00	20425.02
3	Covering platforms	Sq. m.	-	-	1156	5900.00	1104.00	7430.00	1932	124.00	2	4000.00	808	9500.00	-	-	-	-	8000	70000.00	14579.00
4	Drinking water arrangements																				200.00
1.	Hand pumps	Nos.	-	-	-	-	-	-	-	-	-	-	1	200.00	-	-	-	-	-	-	
2.	Taps	Nos.	-	-	548	1408.06	20.00	718.00	20	120	20	500.00	70	4.00	-	-	-	-	12.00	300.00	2931.26
5	Foot over bridge	Sq. m.	-	-	1	25000.00	3	44510.48	-	-	1	20000.00	-	-	-	-	-	-	-	-	89510.48
6	Waiting rooms	Sq. m.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Suitable platform including raising	Nos.	7150	17625.00	15752.36	57195.47	9862.5	26941.51	5200	117.13	2	17500.00	-	-	-	-	-	3750.00	20000.00	19379.11	
8	Booking windows-cum-reservation counter.	Nos.	-	-	10	2000.00	6	309.00	3	2.50	-	-	-	-	-	-	-	4.00	3560.00	6271.50	
9	Sanitised latrines	Nos.	1	300	42	7348.12	-	-	8	7.80	2	6000.00	-	-	-	-	-	13.00	740.00	14395.92	
10	Waiting-cum-booking office	Nos.	-	-	-	-	-	-	1	36.00	-	-	-	-	-	-	-	-	-	-	36.00
11	Retiring rooms	Nos.	-	-	8	1000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000.00
12	Enquiry counter arrangements	Nos.	-	-	2	500	-	-	1	0.75	-	-	-	-	-	-	-	-	-	-	500.75
	Total	-	-	22915.00	-	108057.65	-	80255.82	-	335.60	-	52500.00	-	12204.00	-	-	-	-	-	266800	553107

3. Passenger Amenities Works

In the current year 2020-21, the Final Grant allotted is Rs. 207.07 Cr whereas Rs. 204.69 Cr. was spent which is 98.85 % of Final Grant.

Sixty one (61) passenger amenity works at a cost of Rs. 48.01 Cr. were completed during 2020-21.

5. Departmental catering at Stations : There is no departmental catering at Stations

6. Departmental catering at trains : There is no departmental catering at trains

7. Contract Catering :

Catering services of Mobile units, Train side vending, Base Kitchens, Cell Kitchens, Refreshment Rooms and Jan Aahars at A1 & A category of stations, Food Plazas, Fast Food Units, E-catering are managed by IRCTC.

In Southern Railway, 50 trains are having pantry car/mini pantry of which, 5 are premium trains and 45 are mail/express trains. Catreing services in these trains are managed by IRCTC. After announcement of Unlock-I, special trains are operated after due consultation with the concerned State Governments. As these special trains are ad-hoc in nature, IRCTC has awarded temporary licenses for providing catering service to passengers in these trains. Duly taking into consideration of the pandemic situation, Railway Board has taken the policy decision of serving only Ready to Eat (RTE) meals, PAD items like biscuits etc. and PDW (Rail Neer) in trains to passengers on payment basis.

Minor catering units, Refreshment Rooms at other than A1 and A category railway stations, milk stalls, Fresh fruits and fruit juice stalls are managed by Southern Railway through contracts.

Automatic Vending Machines are permitted only in the form of standalone self-dispensing units, and managed by Southern Railway through contracts. However, there is nil/poor response to tenders floated for allotment AVMs.

The details of number of licensee operated static catering units under the management of Southern Railway as on 31-03-2021 is given in the table.

Number of licensee operated static catering units under the management of Southern Railway as on 31-03-2021 is given in the table.								
Sl. No.	Name of the unit	Divisions						Total
		MAS	TPJ	MDU	PGT	TVC	SA	—
1	AVM	14	..	..	..	..	12	26
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/Trollyes/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
Total		118	69	88	137	123	68	603

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 :

There is a monitoring mechanism/control in place whereby Railway officials are monitoring both the on-Board catering services of mobile pantry cars under the management of IRCTC, and other catering static units under the management of IRCTC/Southern Railway. Officers of commercial department and Catering Inspectors regularly inspect the pantry cars. Apart from the regular inspections, special drives, surprise checks are also conducted based on instructions from the Railway Board. Based on inspection reports, suitable action is initiated. Apart from this CMC (Catering Monitoring Cell) is functioning at Zonal Head Quarters to ensure prompt and immediate rectification of deficiencies and complaints.

12. Statement of Actual Expenditure under Staff Welfare for the year 2020-21

Sl. No.	Head	(Figures in Thousands of Rs.)		
		Gross	Credit	Net
1	New Hospitals, Dispensaries, additional improvements to existing ones.	1,67,726	..	1,67,726
2	New Schools, addition, alteration, improvements and additions to existing ones.	1,468	..	1,468
3	New Institutions, rest house, sports grounds, reading rooms, Improvements and additions to existing ones.	31,808	..	31,808
4	Provision and improvements of health and welfare works & maternity centres.	1,405	..	1,405
5	Cooking arrangements of workshops canteens and rest houses for workmen.	3,280	..	3,280
6	Provision and improvement of sanitations, water supply, road lighting and marketing facilities in Railway colonies.	40,920	..	40,920
7	Improvements alterations to Existing quarters whatever type ..	64,287	..	64,287
8	Others Works	3,538	..	3,538
9	Total (Staff Amenities) (Sl. No. 1 to 8)	3,14,432	..	3,14,432
10	Provision for Officers' Quarters	2,769	..	2,769
11	Quarters for Class III Staff	76,159	..	76,159
12	Quarters for Class IV Staff	2,989	..	2,989
13	Total Col. 10 to 12 (Staff Welfare)	81,917	..	81,917
14	Total Col. 9 +13 ** (PH 51+52) ** from 19 - 20 includes Staff Qtrs. and staff amenities)	3,96,349	..	3,96,349
15	Medical Expenses — J 200	31,72,773	..	31,72,773
16	Health and welfare services — J 300	4,56,208	..	4,56,208
17	Education — J 100.. ..	13,29,443	..	13,29,443
18	Canteen and other staff amenities — J 400	81,049	..	81,049
19	Staff Training — K 500	11,77,059	..	11,77,059
20	Total Column 15 to 19	62,16,531	..	62,16,531
	Grand Total Column 14 + 20	66,12,880	..	66,12,880

13. Expenditure incurred on Passenger and Other Railway Users' Amenities 2020-21

(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	45,170	12,120	0	57,290
2. Waiting Hall	64,196	0	0	64,196
3. Benches	79,822	0	0	79,822
4. Suitable arrangements for Electric Lighting	6,985	0	0	6,985
5. Drinking water supply arrangements at stations.. .. .	14,165	0	0	14,165
5 (a) Drinking water supply arrangements in the trains	1,331	0	0	1,331
6. Platform with well maintained surface (Rail level platforms at flag stations) ..	75,623	0	0	75,623
7. Latrines	28,992	0	0	28,992
8. Platform shelters	59,425	0	0	59,425
B. Additional facilities—				
1. Urinals	26,821	0	0	26,821
2. Platform Covers	40,493	0	0	40,493
3. Bath facilities	0	0	0	0
4. Water Coolers	2,893	0	0	2,893
5. Foot Over Bridges or Subways	3,49,533	0	0	3,49,533
6. Washable Aprons	2,095	0	0	2,095
7. Retiring Rooms & Rail Yatri Niwas	7,863	0	0	7,863
8. Refreshment Rooms, Base kitchens and Trolleys/Stalls for Catering & Vending	9,596	0	0	9,596
9. Improved lighting and fans on platforms	19,350	0	0	19,350
10. Enquiry Offices, Train indicator Boards	2,043	0	0	2,043
11. Reservation Offices—Computerised Reservation.	8,482	79,840	0	88,322
12. Improvements to circulating area	76,909	0	0	76,909
13. Car, Tonga, Cycle stands	953	0	0	953
14. C. C., TV	23,477	0	0	23,477
15. Cushioning of Second Class Berths	0	0	0	0
16. Renovation/Remodelling of station buildings	2,75,079	0	0	2,75,079
17. Carriage Watering	15,980	0	0	15,980
18. Book Stalls	0	0	0	0
19. Raising, lengthening, widening and resurfacing of platforms	4,22,273	0	0	4,22,273
20. Public address system	18,340	0	0	18,340
21. Exhibition of Time-Table sheets on Glass Fronted Frames.. .. .	13,694	0	0	13,694
22. Improvement to existing Carriages such as provision of Fans improved lighting & lavatories, special insulation on roofs, bigger water tanks in the Carriages, better fittings, etc.	22,800	0	0	22,800
23. Improved latrines	1,444	0	0	1,444
24. Miscellaneous improvements to existing amenities, viz., provision of seats, hedges, etc., ...	3,22,378	0	0	3,22,378
C. Other Railway Users' Amenities (for Goods Sheds and Parcel Offices)—				
1. Arrangements for drinking water including water coolers, water trollies, etc., ..	125	0	0	125
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 ..	8,742	0	0	8,742
6. Lighting arrangements and provision of fans	0	0	0	0
7. Rest shelters for licensed porters	0	0	0	0
Total	8,867	0	0	8,867
Grand Total	20,47,075	91,960	0	21,39,032

12. No. of stations functioning for issue of Passenger Traffic during 2020-21

No. of stations functioning for issue of Passenger during Traffic 2020-21	169
(i) No. and Name of City/Town Booking .. Offices.	Pertains to Dy.CCM/FM
(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)

14. No. of Stations Opened/Closed during 2020-21 for issue of passenger Traffic.

(i) No. and Name of City/Town Booking .. Offices opened/closed	(Pertains to Dy.CCM/FM)
(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)

14. STATION OPENED/REOPENED FOR PASSENGER TRAFFIC DURING 2019-20

Name of Station	Division	Date of Opening
Kavalkinaru	TVC	01-11-2019

14. STATION CLOSED FOR PASSENGER TRAFFIC DURING 2020-21

Nil

15. STATION OPENED FOR GOODS TRAFFIC DURING 2020-2021.

Name of Station	Division	Date of opening	Opened for
Mannargudi (MQ)	TPJ	20-08-2020	Opened for Inward/Outward and local/through booking with full rake facility.
Ranipettai (RPT)	MAS	13-11-2020	Opened for Inward/Outward and local/through booking with half rake facility.
Anangur (ANU)	SA	05-01-2021	Opened for Inward/Outward and local/through booking with full rake facility.
Gangaikondai (GDN)	MDU	15-01-2021	Opened for Inward/Outward and local/through booking with full rake facility.
Ambasamudram (ASD)	MDU	31-03-2021	Opened for Inward/Outward and local/through booking with half rake facility.

15. SIDING OPENED FOR GOODS TRAFFIC DURING 2020-2021.

Name of Station	Division	Date of Opening	Opened for
HPC Ltd. Sdg. Served by Tirupparankundra	MDU	31-03-2021	Opened as a Non-Independent private siding

16. SIDINGS CLOSED FOR GOODS TRAFFIC DURING 2020-2021.

Name of Station	Division	Date of Closing
M/s. IOC Ltd. (LSHS)/CHTS (MIOC)	TVC	02-03-2021
FCI MASONRY GODOWN SIDING CHTS (FCMB)	TVC	02-03-2021
FCI PREFABRICATED GRAIN GODOWN SIDING/CHTS	TVC	02-03-2021

17. No. of Halts functioning during 2020-21 171
(includes Halts presently closed as a result of Gauge conversion in that section)

(i) Train halts converted into flag stations	1*
(ii) Stations opened/closed for traffic	Nil
(iii) Block stations downgraded into train halts	Nil
(iv) Train halts opened for passenger traffic	Nil
(v) Train halts closed for passenger traffic	Nil
(vi) Train halts re-opened for passenger traffic	Nil

* Nagercoil Town (NJT) is situated at the distance of 5.4 kms. from NCJ Junction station and 6 kms from Virani Alur halt station in Nagercoil – Eraniel Block stations on Nagercoil Jn. – Trivandrum section has been converted as flag station w.e.f. 21-02-2021.

Halt stations under Gauge conversion – Madurai Division

1. Nagamalai west
2. Vadapalanji

15. STATION CLOSED FOR GOODS TRAFFIC DURING 2020-21

Name of Station	Division	Date of Closing
Pushpattur (PPTR)	MDU	25-02-2021

23. During the year 2020–21 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

1. ACCIDENT DETAILS :

There was one consequential accident during the year 2020-21, which was a derailment at station. The details are as under.

- 1.1 Train No.06188 TIR-JP Shramik special left MAJN at 01.22 hrs. and planned to detain at a PADIL home signal No.31A for crossing of Hassan Goods Train from KRCL to Mysore division on single line section. But train passed Home signal No.31A at danger, passed point No.52 and entered into over run line and all wheels of leading Loco 11295 and one pair wheel of rear loco 11113 got derailed. Loco was pulled back and track restored. No injury or death was reported in the accident.

Cause wise of break-up of Consequential Accidents is as under :

Sl.No.	Type	2018-19	2019-20	2020-21
1.	Collision	0	0	0
2.	Derailments	4	1	1
3.	LC Accidents	Manned	0	0
		UMLC	1	0
4	Fire in Trains	0	0	0
5	Miscellaneous	0	0	0
Total		5	1	1

Division-wise comparative break-up of Consequential Accidents is as under :

Division	2018-19	2019-20	2020-21
MAS	1	0	0
SA	1	0	0
PGT	1	0	1
TVC	1	0	0
MDU	0	0	0
TPJ	1	1	0
Total	5	1	1

Division-wise comparative break-up of Indicative Accidents (SPAD) is as under :

Division	2018-19	2019-20	2020-21
MAS	1	2	0
SA	0	1	0
PGT	1	1	0
TVC	0	1	0
MDU	1	0	0
TPJ	1	0	0
Total	4	5	0

Division-wise comparative break-up of Yard Accidents is as under :

Division	2018-19	2019-20	2020-21
MAS	19	14	5
SA	2	0	1
PGT	1	3	1
TVC	6	2	0
MDU	2	2	3
TPJ	0	0	1
Total	30	21	11

Preventive Action Taken :

- ★ Ambush checks are being done to check speed of train at first facing point with home signal at caution. Data loggers logics are introduced to monitor the speed of the train at first facing point when the home signal at caution aspect with starter at ON. These reports are monitored on daily basis. SMS alerts are being sent to CLI, TL Con real time basis. 943 Ambush checks conducted in SR during 2020-21.
- ★ Booklets with signal location and gradients indicating restricted signals, starter signals close to platform, location of gradient warning boards, list of RHS Signals, etc. are issued to all LPs for their guidance.
- ★ SOB including the commissioning of new signals are up loaded in CMS through divisional control and crew after acknowledging the SOB only can sign "on".
- ★ Counseling the crew not to predict the aspect of the signal in advance.
- ★ LPs are being made aware of any changes in Signals with special emphasis on RH side signals by putting the details in CMS/SOB through divisional console at least 3 Days before commissioning of the new signal, in addition to issue of caution order for 10 Days.
- ★ GRS correction was issued vide memo No. 04/2020 dated 17.9.2020 to issue caution order for 3 months for alerting GLP regarding new location of signals.
- ★ All running rooms (59) are air-conditioned in SR and all facilities are being ensured for LPs to take proper rest in Running rooms.
- ★ Screening of ALPs before booking for Mail/Express trains and obtaining performance feed back of ALPs from LP for counseling accordingly by LIs.
- ★ While booking the out station crew, the competency of the crew is being verified by the crew booking staff.
- ★ Joint Inspection of all Points & Crossings of major yards are done by ADEN and ADSTE with sample check by Safety Branch. Compliance of deficiencies noticed is being monitored at Division/Headquarters. Special safety drives are carried out to ensure joint inspection and attention of Points & Crossings.

- ☆ Existing 52kg rails are being replaced with 60 Kg rails, in 60kg PSC turnouts. During 2020-21, about 326 sets of turnout sarerenewed in major yards.
- ☆ Action is being taken to remove the caked up ballast by deep screening and adequately ballasting the points and crossings. Deep screening of points and crossings was carried out with BCM. About 457 Turnouts are deep screened with BCM during 2020-21.
- ☆ Instructions are issued to field staff and supervisors, to ensure complete loading/unloading of BOBYN wagons and not to allow movement of wagons which are partly loaded/unloaded. Further, instructions given to ensure all the doors of BOBYN wagons are in working condition to avoid partial unloading.
- ☆ Instructions are issued to Commercial staff that while booking two wheeler the fuel tank should be ensured for proper draining of fuel from tank. The two wheelers should be secured properly in the luggage portion to avoid accident falling. Luggage portions should be sealed with propertags.
- ☆ To prevent short-cut methods-issue of failure messages, Disconnection/Reconnection memo, Restoration & Joint restoration messages are monitored while doing rectification of all Signal, point & Track circuit failure.

Concerned staff of various departments are counseled to avoid shortcut methods.

1.2 EQUIPMENT FAILURES :

Details of equipment failures during last 3 years are :

S.No.	Equipment failure	2018-19	2019-20	2019-20
1.	Rail/Weld failures	259	169	77
2.	Diesel loco failures	96	85	18
3.	AC loco failures	98	123	86
4.	Hot axle	9	9	6
5.	Train parting	2	6	5
6.	Wagon detachments	10	12	24
7.	Coach detachments	8	8	3
8.	OHE failures	28	18	13
9.	Signal failures	5214	4741	2468

2.1 Safety Performance :

The safety performance is constantly monitored at the highest level. The trend of train accidents is reviewed regularly and corrective measures adopted. Since human failure is a major contributory factor for a large number of accidents, special emphasis is laid on toning up the system through training and frequent intensive inspections, surprise/ambush checks and counseling of staff.

- 2.1.1 Breathalyzer tests are conducted on crew at the time of sign-on and sign-off to prevent running staff under influence of alcohol.

2.2 Highlights of safety performance during 2020-21 :

- (a) No SPAD (indicative) accidents during the year 2020-21 as compared to 05 in 2019-20.
- (b) Yard accidents reduced by 48%, from 21 during 2019-2020 to 11 during 2020-2021.
- (c) All the Running rooms (59) in Southern Railway have been air-conditioned.
- (d) 68 Manned Level crossings have been inter locked in the year 2020-2021.
- (e) 51 Manned Level Crossings were eliminated through ROB/LUS in the year 2020-2021.
- (f) All Non-interlocked LC gates at two divisions (MAS,PGT) completely eliminated.

(g) Highest achievements in last 5 years :

Track recording with OMS achieved - 81413 TKms.

Through Weld renewal with - 97.96TKms.
Mobile Flash Butt welding plant.

Deep screening of plain track and - 912.05EqTKms.
turnouts.

Rail/weld failures (Lowest) - 77Nos.

SAFETY MEASURES :

2.3 Safety Drives ordered by RB & SR HQ Safety :

2.3.1 Special Safety Drives were also launched on various aspects of trains operations. During the year 2020-21, total 9 Safety Drives are conducted on the themes such as prevention of Fire in Trains, Maintenance of track and Points & Crossings in Yards as well as strict observance of rules in Shunting, Securing of Vehicles at Stations/Yards/Sidings (both running & Non-running lines), Thorough examination of Power pack to eliminate potential safety hazard in future, Safe train operations, LP/Guard experiencing abnormal condition in track, Working adjacent to running lines and Safety at work sites.

2.4 Safety Activities :

2.4.1 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
2016-17	662	350	27
2017-18	563	393	29
2018-19	950	366	30
2019-20	961	535	43
2020-21	983	429	31

2.4.2 Safety Camps are being organized periodically to inculcate safety awareness among the staff and to discuss day-to-day practical problems in an informal environment and evolve solutions for safer working.

2.4.3 Safety publicity is carried out regularly through media such as TV, Radio, Newspaper and social media such as whatsapp, telegram etc. The hazards of fire in trains and perils of non-observance of rules by road users at level crossings are carried to the masses. Road users are educated through interaction and display of safety posters at Village Panchayat Offices, Schools, Busy markets and by distributing hand-outs at retail outlets of Petrol bunk and through display of cinema slides. Street plays at unmanned level crossings are also conducted frequently. Short film acted by famous cine actors are being displayed through CCTVs in major stations.

2.4.4 International Level Crossing Awareness :

International Level Crossing Awareness Day" was observed over this Railway on 11.6.2020, on a large scale in order to create public awareness regarding

(a) Engineering department :

S.No.	Description of Item	Unit	Target	Progress	% completed over Target
1	Over due CTR(P+S)	TKms.	322	298.14	92.59*
2	Over due TRR(P+S)	TKms.	410	423.60	103.32
3	Over due TSR(P+S)	TKms.	234	172.67	73.79*
4	Over due TFR	TKms.	100	448.41	448.41
5	Over due TWR	TKms.	80	98.50	123.12
6	Turn out Renewal	Nos.	200	325.88	162.94
7	Provision of Thick web Switches	Nos.	95	98	103.16
8	Deep Screening (Plain Track)	TKms.	460	568.88	123.67
9.	Deep Screening (P&C)	Nos.	550	457.57	83.19*
10	Tie Tamping	TKms.	9078	10057.33	110.79
11	Points & Crossings Tamping	Nos.	5460	4025.20	73.72*
12	Vehicular USFD Testing	TKms.	20605	19583	95.04*
13	Elimination of MLC by Grade Separator/ Closure/Merger.	Nos.	108	52	48.15*
14	Under Water Examination of Bridges	Nos.	04	04	100

* Short fall in progress of certain items is due to enhanced targets subsequently, Funds constraints and Covid-19 restrictions.

(b) S & T department :

S. No.	Description of Item	Unit	Target	Progress	% completed over Target
1	Replacement of overage Signaling Gears : (a) Other Signaling Gears (PI/EI/RRI)	Nos.	07	17	242
2	Safety Integrity Test for EI/PI	Stns.	98	175	178.5
3	Interlocking Manned LC's (on BG): (a) >=50000 TVU's	Nos.	2	3	150
	(b) <50000 TVU's	Nos.	38	65	171
4	Provision of BPAC	Block Sections	11	16	145
5	Replacement of token block instrument	Nos.	Replaceable token block instrument does not exist in SR.		
6	Provision of fire alarm in Relay rooms	Kms.	200	101	50.5*
7	Commissioning of TCAS	Kms.	Estimate is yet to be sanctioned for S.Rly.		

* Short fall in progress due to delay in RDSO in spec and supply of material.

Safety at MLCs by organizing various programs viz .Nukkad Natak, Road show, Walkathon, Awareness programs at Schools and safety Propaganda by Posters, Pamphlets, SM and short film CDs displayed in local cable channel to the Road users/ Public.

2.5 System of Motivation :

A system of motivating the staff involved in direct train operations by suitably giving them Cash awards such as Accident Free Service Award, Man of the Month award and cash award for their meritorious work at divisional level and Head quarters level.

2.6 Safety Action plan 2020-21 :

The targets set and progress achieved for various safety related activities pertaining to various departments during 2020-21 given below :

(c) Traction Departement :

S. No.	Description of Item	Unit	Target	Progress	% completed over Target
1	Airconditioning of Running Rooms	Nos.	4.00	4.00	100
2	Airconditioning of Drivers cabin Locos	Nos.	12.00	12.00	100
3	Provision of Crew Voice & Video Recording System.	Nos.	10.00	10.00	100

(d) Mechanical Department :

S.No.	Description of Item	Unit	Target	Progress	% completed over Target
1	Provision of Smoke Detection & Suppression system in Pantry & Power Cars.	Nos.	201.00	95.00	35.79*
2	No. of AC Coaches with Fire Extinguishers other than SLRs/Pantry Cars	Nos.	4315.00	3200.00	10.09**
3	No. of Coaches with Bio toilets	Nos.	6819.00	30.00	106.67

* Power car completed, Pending delivery for pantry car ** Retender under process

2.6 Preparedness :

2.6.1 Mock Exercises: V-Sat mock exercises were conducted in every month on Second Wednesday/ Thursday in the division to ascertain the working of V-SAT and mock exercises were telecasted through Rly. Board web.

2.6.2 Mock Drill with NDRF :

I. NDRF is a specially trained Force on Disaster Management headed by a Director General Structure dlikepara Military Forces for rapid deployment to provide assistance to Railway in accident. Full scale Mock exercise was conducted with NDRF in SA Division at ED on 24.03.2021. Two coaches derailed and capsized. Mock exercise—"Rescue of passenger sent rapped in coaches".

II. Regular Mock Drill by Divisions : To check alertness of Officers and Staff Mock Drill is being conducted by division once in 3 months as per instructions of Railway Board.

2.6.3 DM Plan :

HQ and Division's D.M Plans are updated and renewed for the year 2021. D. MP lansare uploaded in SIMS and Southern Railway website.

3 PUBLICATIONS :

3.1 As part of Safety publicity, The digital Safety calendar highlights monthly Safety Drives planned for 2021 to inculcate safe working practices amongst the Railway Staff.

3.2 Sujog booklet

3.3 Advertisements were carried in daily new papers appealing to public not to carry in flammable articles, not to light fires inside the coaches, avoid foot board travel, safety at unmanned level crossings, etc.

4. ISO 9001:2015 :

4.1 ISO certificate is obtained for Safety Department. Scope for planning and monitoring of Disaster Management is valid upto 22.07.2021.

4.2 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 is valid up to 28.01.2022.

4.3 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 is valid up to 14.07.2021.

5. Status of interlocking of LCs during 2020-21.

Year	Total Nos. Targeted	Total Nos. Achieved
2020-21	40	68

XV. सुरक्षा व्यवस्था/SECURITY ARRANGEMENTS

I CRIME :

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

Year	No. of cases registered	No. of cases detected	Property stolen	Property recovered	Total arrest made	
					OS	RE
2019-20	16	6	19,39,764	13,550	10	0
2020-21	4	2	7,62,579	3,31,540	7	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
2019-20	222	212	17,44,782	13,85,861	292	1
2020-21	154	147	24,43,151	19,84,254	254	4

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 booked under the provisions of this act with seizure of stolen railway property. The performance under this act is as follows :

Year	No. of cases reported	No. of cases detected	Value of Property stolen	Value of Property recovered	Arrest made	
					OS	RE
2019-20	371	363	33,29,844	19,93,666.4	479	1
2020-21	197	181	25,93,209	25,93,209	337	05

(c) Performance under Railway Act, 1989 :

Year	No. of cases booked	Fine amount realized
2019-20	82,454	2,76,58,635
2020-21	10,684	43,46,430

(d) Summary of achievements under important Railway Act sections during the year :

Sl. No.	Offence u/s	No. of cases booked	Fine realized Rs.
1.	Alarm Chain Pulling (141)	467	2,06,900
2.	Transfer of reserved rail tickets(142)	15	6,000
3.	Unauthorised procuring and selling of rail tickets (143)	243	2,25,000
4.	Unauthorized Hawking/ Vending (144)	1,753	10,63,950
5.	Footboard travelling (156)	394	1,90,750
6.	Gents travelling in ladies coaches (162)	24	18,300
7.	Smoking (167)	58	6,200

(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 & 2020-21.

Year	RPF staff deployed	No. of ticketless travelers fined	Amount of fine realized
2019-20	5,733	4,22,317	16,90,38,310
2020-21	524	4,311	73,75,476

(f) Crime against passengers :-

Category	2019-20		2020-21	
	Registered	Detected	Registered	Detected
Murder	3	2	0	0
Dacoity	2	2	2	2
Robbery	177	79	8	5
Theft	4,102	321	454	33
Chain Snatching	0	0	0	0
Drugging	5	2	0	0
Total	4,289	406	464	40

- Crime rate has decreased by 89.18 % during the year 2020-21 as compared to 2019-20.
- Detection % has increased by 0.85 % during the year 2020-21 as compared to 2019-21.

(III) Achievements in the field of Passenger security for the year of 2020-21 :

(a) Apprehension of accused persons in “Theft of Passengers Belongings” cases:

1. On 09.02.2020, passing ShaikMunaf aged 33 yrs, S/o Shaik Kareem, Door, Chittoorlodged a complaint to GRP/ RU on 05.06.2021 that while traveling inGS coach of T. No.16204 ,Garudathri Exp. his i phone mobile value RS 70,000 was stolen by unknown person. On 28.09.20 SI/ GRP/RU along with RPF Team apprehended **one suspected TOPB offender** by name B. Bose Prabhu , age 28 , S/O Bose, Coimbatore who confessed committing theft of the above said i phone on 09.02.20 at Puttur Railway Station, he also confessed committing theft of vivo 19 mobile valued Rs 8000/- and honour 7x mobile valued 20000/- earlier GRP Reniguntamobile valued total Rs. 98,000/-and connected in Cr. No. 57/20, 21/20 and 37/20 u/ s 379 IPC

2. On 28.08.2020 at 14.19 hrs, RPSI PGT and staff arrestedJalvin Joseph, 30 Years, S/O Joseph, Mission Compound, Nttur Post, Thalassery at Portico of Palakkad Railway Station, in possession of stolen HTC Mobile phone worth Rs.24,000/- of Smt. FathimaSameera, W/O Yusuf, Kazargode at Thalassery Railway Station premises. Further on the basis of written complaint obtained from the Complainant GRP/PGT registered a case in this station Cr.No. 25/2020 U/s 379 IPC and transferred the same to GRP/CAN being point of jurisdiction.

3. On 15.11.2020 Sri.N.Palani ASIPF/ED with TE staff and GRP/Erode, arrested one suspected person by name Thangadurai, aged 29 years, S/o Muthu, Cuddalore for the theft of one mobile phone “**I phone 6 plus**” **Value Rs. 50,000/-**, from one bonafide passenger by name Sri. Jayaram, aged 27 years S/o Sivakumar in T.No.06187 Exp (Ex.KIK-ERS) in S3 Coach. Further **the accused person brought to GRP station and connected in GRP/Erode Cr. No. 10/2019 U/s 379 IPC and recovered property as Redmi 3S mobile phone worth Rs. 4,000/- & 284/2019 U/s 379 IPC and recovered property as Redmi mobile phone worth Rs. 15,000/-**

4. On 26.03.2021, **PC/RPF/ED & IRP/ED with staff apprehended one accused by name Sudarson, aged 25 years S/o Gobi, Malapuram (Dt), Kerala at Km. No. 400/08 in between TPM- PY down line.** On enquiry he stated that, He snatched neck chain weighing about 6 ½ sovereign of lady passenger and her hand bag containing (1). 2 sovereign gold, (2).Cash Rs. 5000/- (3).Jio Cell phone – 01 No **(Total value Rs.1,95,000/-)** and escaped from the spot.GRP/TUP registered a case in Cr. No. 28/2021 U/s 392 IPC and he was remanded under judicial custody.

(b) Seizure of Unaccounted Cash :

➤ During the year 2020-21, on 17 occasions unaccounted cash of Rs. **3,38,00,529.54/-** were seized by RPF/SR with the arrest of 21 defaulters.

(c) Seizure of Gold/Silver etc.

➤ During the year 2020-21, on 19 occasions Gold/ Silver weighing 218.36 Kg worth **Rs. 22,12,92,223/-** were seized by RPF/SR with the arrest of 29 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 (Rs.)
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.,	143 Instances	2,93,46,021

(e) Proactive measures taken by RPF to contain the passenger related offences :

- During 2020-21, 112 Mail/Express, Passenger and EMU trains were escorted by 385 RPF staff on daily basis. Apart from this, 40 trains Mail/Express and Passenger trains were escorted by 70 GRP staff on daily basis.
- 786 CCTVs are provided at 14 important stations under ISS. In addition to this, 151 CCTVs are provided at 06 stations under other than ISS scheme and 91 CCTVs are installed at 06 stations under 'Nirbhaya Fund'. Another 33 stations, CCTVs have been installed under Nirbhaya Fund project and same is being commenced shortly.
- 14 railway stations over Southern Railway have been covered for implementation of 'Station Security Plan' (SSP) for enhancement of security to the passengers. SSP aims to provide a full-fledged security to railway passengers. The implementation work is at advance stage. Apart from this, 10 more important stations have been identified for SSP.
- Track Patrolling by armed RPF staff has been introduced at vulnerable sections for crime against passengers.
- Ensuring the adequate lighting arrangements in Railway premises and vulnerable areas like Railway Yard, Access control area, etc., in co-ordinationwith electrical department in Railways.
- RPF crime teams to keep close watch over abandoned structures/quarters on regular intervals.
- 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.
- Awareness campaigns by participating dignitaries such as Judges/Magistrates, NGOs, etc are conducted at railway stations, trains, colonies to make the public/passengers aware of the nature of crimes and the preventive measures to be taken in case of any exigency.

(f) Measures taken for the safety and security of women passengers :

- Mail/Express, passenger trains are escorted by RPF staff on daily basis, including EMU trains running during night hours. Train escorting staff have been instructed to travel in the coaches adjacent to the ladies coaches and to attend the ladies compartments during halt of train in the mid-section/stations.
- 'MeriSaheli' initiative has been implemented over Southern Railway since Oct-2020. "MeriSaheli" Teams at originating stations identify the lady passengers travelling alone, and further the identified lady passengers are attended by on duty officers & staff at en-route stations till their destination to ensure their safety & security.
- High profile presence of RPF/GRP at major station platforms is ensured to instill a sense of fear among anti-social elements and sense of confidence to the women passengers.
- RPF/Trivandrum Division created WhatsApp groups named "**Security on wheels**" involving women commuters with a view to prevent crime against passengers especially women and children.
- Regular drives are conducted against men travelling in lady's compartments and the defaulters are prosecuted under relevant sections of Railways Act.
- In order to enhance the sense of security to female passengers, 128 Ladies Coaches have been fixed with surveillance cameras in Southern Railway.
- A proposal for introduction of the RED alarm/Panic button in women coaches which can be used by women during the time of distress.
- 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 helpdesk is created in co-ordination with RPF in all important Railway stations for safety of women passengers and children, and it is working in round the clock.
- Maximum Women RPF staff are deployed posted to way-side stations to ensure maximum visibility and presence of women RPF staff at the station platforms with a view to increase the confidence of women passengers and to feel a sense of security.

- RPF staff on station/ platform and train escort duty are briefed to alert the passengers regarding various modus operandi of criminals involved in crime in trains/ stations and to take all precautionary measures on their own i.e. not to sit near the windows by wearing valuable ornaments, not to use mobile phone by standing near the doorways, securing of their belongings with chain and lock, etc., They are also advised to contact 182/139 Security Helpline for any security related assistance in case of any distress.

(g) Bandobust :

- The BHARATH BANDH & Rail Roko agitation called by various Farmers Association and joint platform of Central Trade Unions (INTUC, ALRUC, HMS,CITU, AIUTUC,TUCC,SEWA, AICCTU, LPF, UTUC and Sectoral Federations/Associations) on 8th December 2020 to protest against the three Agriculture Bills – 2020. In this connection necessary preventive measures were taken in co-ordination with GRP/Local Police and Sister Department of Railways to avert any untoward incident in Railway.

(h) Awareness programs conducted:**(i) Regarding sabotage activities on Railways**

Awareness programs were conducted by SOs of RPF at Post & OP level by involving Gangmen, Keymen, Gate men, people residing nearby railway track etc., "not to Trespass or play on the railway track, Placing of stones, coins, etc on the track".

During the year 2020-21- Regular Awareness programs were conducted by SOs of RPF at Post & OP level by involving Gangmen, keymen, gatemen, people residing nearby railway track etc., to sensitize them against sabotage activities such as stone placing of obstructions on the railway track, pelting of stones etc.,

(ii) Against taking selfie at vulnerable location in the Railways.

During the year 2020-2021, 89 Awareness programs were conducted at Vulnerable location over the Southern Railway for explaining the danger of taking selfie by passengers, common public at Railway track.

(iii) On Protection of child rights.

On 25.02.2021, Chennai Division has conducted a seminar on child rights. Sri.Deepak, Coordinator of Child Line conducted a seminar on Child Care and Rescue at train as well as station premises.

Passengers Awareness Programmes conducted :

S.No.	Programme	2019-20	2020-21
1	Skit/Fourm Drama conducted	72	27
2	Interaction with Coolie porters	359	117
3	Feedback Forms obtained	3,253	165
4	Pamphlets issued	1,68,181	48,379
5	Awareness programme outside the Railway premises	940	1,379
6	Stickers pasted	25,732	1,602
7	FM Channel	147	0
8	Slides projected in cinema hall	187	0
9	Video coverage of GS coaches	137	3
10	Assistance from NGOs/Scouts etc., utilized	91	19
11	Decoy checks conducted	206	83

(IV) RPF facilitation for passenger travel :**a. Passenger facilitation:**

Tourist Help Desk with RPF participation have commissioned at 04 Railway stations at Madurai, Tirunelveli, Rameshwaram and Coimbatore Railway station.

b) RPF role in saving lives of suicidal persons and tracing out of missing persons:

During the year 2020-21, lives of **06** persons who attempted to commit suicide in Railway premises was saved by RPF personnel by securing them and were handed over to their family besides providing life saving medical assistance. Similarly, **02** 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. Redressal mechanism of public grievances:

Public grievances pertaining to Security are received through letters, telephone calls, Twitter, All India security Helpline no. 182/139, CPGRAMS and E-mail.

- **Twitter Complaints :** During the year 2020-21, 90 twitter complaints were received. They were promptly attended for redressing the grievances of the complaints.
- **All India Rail Madad Helpline:** During the year 2020-21, **352** calls were received on Helpline over various divisions, which were promptly attended and redressed the grievances of the passengers in distress on real time basis.

D. Implementation of Protection of Child Rights in Railways :**(I) Child Trafficking detected by RPF/Southern Railway:-**

- During the year 2020-21, **365** destitute children and found loitering in trains/Railway stations were rescued by RPF and reunited with their parents and child help line for necessary action.

V) RPF Dog Squad :

a. Southern Railway has 12 Kennels with a total strength of 33 dogs consisting of Labrador and Doberman. The dog squad conducts regular checks at important Railway junctions where Kennel is located.

b. A Zonal RPF Dog Training Centre is functioning at Podanur with all equipment's and infrastructure facility for imparting basic training to sniffer and tracker dogs of Indian Railways. This is first of its kind on Indian Railways and merits as a significant achievement towards modernization of the Force. 268 dogs (190 sniffer and 78 tracker dogs) of various Zonal Railways have been trained at this training centre till 2021 (up to March).

(VI) Swachh Railway Abhiyaan:

The agenda of Hon'ble Prime Minister of India, Swachh Bharat Campaign was given top most priority and carried out by RPF/Southern Railway. During the year 2020-21, All RPF/Post and Out Post carried out intensive drives to ensure a smart neat and tidy appearance. Assistance was also rendered by all RPF Posts to ensure the cleanliness of the respective Railway stations in which they were located.

Swachhta-Hi-Seva Activities :

The activities of Swachhta-Hi-Seva was carried by the RPF Personnel from 11th September to 02nd October, 2020. Cleaning of Office Premises, RPF Posts/Outposts & RPF Barracks, planting of trees, weeding out of old records have been done at HQrs and Divisions. Apart from the above, RPF Personnel have participated in cleaning of Railway Quarters premises.

The "Best Keeping HQrs Office" shield have been presented to PCSC's Office during the year 2020

(VII) SYSTEM IMPROVEMENT:**A. Online training on e- ticketing**

RPF officers of all Divisions attended E- ticketing online training conducted by JR/RPF Academy/LKO on 13.01.2021 at 09.30 – 14.00 hrs.

In this training , challenges arising out from the changing scenario of Ticketing & Touting over Indian Railway were discussed by the RPF officers.

B. Online training on Gender Sensitization

RPF officers of all Divisions attended Gender Sensitization online training conducted by JR/RPF Academy/LKO on 18.12.2020 at 11.00 – 13.00 hrs. In this session, Officers were sensitized about the power and relations between men and women in society and to understand the importance of women and men equal opportunity.

C. Basic training for detection of bomb, IED, etc.

A basic training program and drill about detection of bomb, IED etc. to RPF officers and staff was organized by Sr. DSC/MAS. All newly appointed Sub-Inspector attended and were benefitted.

VIII. SAFETY DRIVES :

- Safety drives were organized at manned/ unmanned Level crossings in co-ordination with GRP, Safety Branch and civil authorities in order to avoid loss of human lives and damage to Railway property.
- Safety pamphlets and safety stickers were issued/ pasted on the road vehicles. Nukkad dramas were staged at strategic locations sensitizing the road users. Ambush checks were conducted at UMLC and defaulters were dealt under the provisions of Railways Act for negligently crossing UMLC and violation of Traffic rules.
- A special drive against carrying of inflammable articles and fire crackers in trains / stations was launched in all Divisions during Diwali season. Besides that innovative awareness programmes were also conducted displaying banners containing awareness tips to passengers. Checks at Parcel Office and in trains were conducted against booking of two wheelers with Petrol in tank and other explosive materials.
- To prevent the instances of stone pelting, PCs of open line are conducting awareness/drives in the section regularly. The local people residing near by the Railway Tracks were briefed about the consequences of stone pelting toward trains and also the penal provision under Railways Act.
- 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 2020-21, **01** defaulters were apprehended and prosecuted.
- 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 2020-21, **58** cases were booked and realization of fine amount to the tune of **Rs.6,200/-**
- In view of lighting of camphor sticks by Ayyappa Devotees in worshipping "Irumudi" of Lord Ayyappa in Trains/Railway stations, an awareness campaign was conducted by all divisions in coordination with GRP and Safety branch highlighting the serious fire hazards which camphor lighting inside the coaches may cause All important Mail/Express and Passenger trains bound for Kerala were checked by various teams and frequent announcement through mega phone were done at the halting stations enroute.

IX. DRIVE AGAINST UNAUTHORIZED ALARM CHAIN PULLING AFFECTING PUNCTUALITY OF TRAINS :

During the year 2020-21, **673** instances of Alarm Chain Pulling were reported. Of which, **202** instances were justified as commercial/ operational /mechanical / electrical reasons and other genuine reasons. In **471** unauthorized instances, **461** defaulters were nabbed and prosecuted u/s 141 RA, realizing a fine of **Rs.206900/-** from them. The remaining **10** instances were reported in mid-section where no RPF/ GRP are available. However, ambush checks are being conducted by RPF in section prone for ICC pulling, to contain the menace.

X. DAMAGE CAUSED TO LC GATES BY ROAD VEHICLES:

During the year 2020-21, **784** instances of damage to the LC gates due to rash and negligent driving of road vehicles were reported over this Railway. In all the incidents, the vehicle drivers were apprehended by RPF, prosecuted u/s 154 & 160 RA and a sum of **Rs.3,98,800/-** was realized as fine. This apart **Rs.20,13,826/-** was also realized from the owners of the vehicles towards the cost of damage to the L.C. Gate components, etc.

XI. ACTION AGAINST DEFAULTERS INDULGING IN TRAIN HOLD UPS DURING RAIL ROKO BY POLITICAL PARTIES, TRADE UNIONS, ETC :

RPF/Southern Railway is taking stern action against the persons indulging in train hold ups during Rail Roko by political parties, trade unions, etc., to maintain the punctuality of trains and the defaulters were prosecuted u/s 174 (a) of Railways Act duly obtaining complaints from Railway Depot officials. During the year 2020-21, **04** cases were registered u/s 174 (a) Railways Act against the defaulters.

XII. ACTION AGAINST THE MENACE OF BEGGING IN TRAINS BY EUNUCHS :

Following the complaints against the menace of begging by eunuchs in trains and Railway premises, special drives were organized over this Railway to eradicate the nuisance created by the eunuchs to the travelling public in trains. During the year 2020-21, **216** eunuchs who indulged in begging in trains were apprehended and prosecuted under relevant section of Railways Act and a fine of **Rs.42,850/-** was realized from them.

XIII. IMPLEMENTATION OF 'INDIAN RAILWAYS (PENALTIES FOR ACTIVITIES AFFECTING CLEANLINESS AT RAILWAY PREMISES) RULES-2012'

During the year 2020-21, **7060** persons were dealt for littering on railway premises and fined to the tune of **Rs.15,81,100/-** which was collected through money receipt and remitted to Railway exchequer

XIV. ACTION AGAINST UNAUTHORIZED TRAVELLING IN COMPARTMENTS EARMARKED FOR DIFFERENTLY ABLED PERSONS :

Regular drives were organized against unauthorized travelling in compartments earmarked for differently abled persons. During the year 2020-21, **24** defaulters were apprehended and prosecuted under relevant sections of RA realizing a fine of **Rs.16,700/-**

(XV) Bomb threat :

Divisions	No. of incidents registered	No. of cases Closed	No. of cases under investigation/ trail
MAS	2	2	0
TPJ	0	0	0
MDU	1	0	1
PGT	0	0	0
TVC	0	0	3
SA	3	0	0
Total	06	02	04

(XVI) Sabotage :

Divisions	No. of cases registered	No. of cases Closed	No. of cases under investigation/ trail
MAS	09	02	07
TPJ	0	0	0
MDU	0	0	0
PGT	0	0	0
TVC	03	01	02
SA	13	08	05
Total	25	11	14

XVII. Sports.

During the year 2020-21, RPF inter Divisional tournaments of football Cricket, Yoga, Weightlifting & Volleyball were conducted. However, no inter Railway RPF Tournaments have been organized due to second wave of Covid-19.

XVIII. Welfare :

- **3041** food pockets were served through voluntarily contribution by RPF personnel This apart, RPF Southern Railway in association with IRCTC distributed **95,714** food packets.
- RPF/Manglore/PGT distributed **50kgs** of rice with grocery item to 40 building construction laborers at manglore Rly station area.
- **37** RPF personnel of Southern Railway who recovered from the infection of COVID-19 have donated their **blood for Plasma Therapy for recuperation of patient suffering by the virus.**
- **03 Short films** (Chennai, Thiruvananthapuram and Palakkad Divisions) were produced and uploaded in social media to create awareness against the spreading of Covid-19.
- Handicraft centre with sufficient number of sewing machines and membership strength of 16 RPF Spouse/wards is functioning at Perambur.

- Various welfare measures for RPF staff like life kill diseases, blood donation camps, Eye donation camp were organized by all Divisions.
- Various seminars like stress management, soft skills, attitudinal changes on good habit and rug abusive were organized to sensitize RPF Post over the Southern Railway.
- Compassionate ground appointment were arranged to wards of RPF.
- Alternative appointment for medically de-categorized were arranged for RPF Staff.
- Covishield and Covaxine vaccine is administered to all RPF staff and their dependent through Railway Hospitals and health units of Railways.

XIX Railway Suraksha Kalyan Nidhi

Sl. No.	Type of payment	No. of Cases	Amount in Rs.
1	Lump-sum grant to the failmily of the RPF Personnel expired due to Covid-19	01	15,00,000
2	Assistance rendered to the medical expenses of self and dependent	16	9,65,000
3	Ex-Gratia Payment to the retired employees in HQrs& Division	168	3,62,000
Total			58,27,000

XX GRANT OF CASH REWARD

S. No.	Details	Amount in Rs.
1.	Sanctioned by Rly.Board	67,000
2.	Sanctioned by GM/AGM/ADGM/S.Rly	3,13,500
3.	Sanctioned by PCSC/SR	3,05,500
Total		6,86,000

XXI TRAINING :

RPF Training Centre/Trichy is the only Training Centre functioning for the security department over Southern Railway and Carters the need of ICF and SW.Rly. The normal capacity of the Training Centre is 300 trainees at any time of the day. 4,329 RPF personnel of different ranks from Constable to IPF were trained during the year 2020-21 in various courses.

एखतर वर्ष का सार
SEVENTY ONE YEARS
OF
SUMMARY

SOUTHERN RAILWAY

एखतर 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	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
Electric Multiple Unit	72	72	72	96	96	96	96	96	96	96	96	96
Coaches.	..	..	..	..	..	..	..	..	..	..	..	..
Rail cars	9	9	8	8	18	18	17	29	30	30	30	30
Other coaching vehicles	997	1,011	1,022	1,033	1,108	1,101	1,178	1,185	1,212	1,217	1,212	1,381
Wagons	24,074	24,429	26,839	28,080	28,895	29,054	31,902	33,470	35,143	36,165	36,024	37,089
Staff—												
No. of employees (in 1000s) ..	139.4	145.0	147.5	152.3	153.5	158.4	158.5	161.0	165.8	163.7	161.6	161.7
Cost of staff (in crores of Rs.) ..	17.24	18.88	19.00	20.25	20.91	22.87	22.76	25.22	27.02	27.14	29.58	30.46
Average cost per employee (in Rs.) ..	1,240	1,376	1,345	1,351	1,367	1,467	1,436	1,578	1,639	1,662	1,823	1,888
For the year—												
Transportation Out-put—Train-kilometres excluding Departmental (in millions)—												
Passenger and proportion of mixed	36.65	37.31	37.38	37.94	39.06	39.42	36.62	39.55	39.49	39.04	38.85	39.36
EMU	..	..	..	..	..	..	..	..	..	..	..	..
MEMU	..	..	..	..	..	..	..	..	..	..	..	..
DEMU	..	..	..	..	..	..	..	..	..	..	..	..
Goods and proportion of mixed	18.64	18.56	18.48	17.96	18.60	19.77	20.52	20.67	21.19	22.61	22.87	23.72
Vehicle and wagon kilometres (excluding departmental and brake-vans) (in millions)—												
Vehicle kilometres	568	581	581	576	591	597	610	609	616	618	631	644
EMU	..	..	..	..	..	..	..	..	..	..	..	..
MEMU	..	..	..	..	..	..	..	..	..	..	..	..
DEMU	..	..	..	..	..	..	..	..	..	..	..	..
Wagon kilometres	617	617	618	616	644	686	731	762	789	873	888	925
Volume of Traffic—												
Passenger Traffic—												
No. of passengers originating (in millions)	272	226	216	205	211	217	225	223	228	237	252	256
Passenger kilometres (in millions)	12,151	11,742	10,887	10,032	11,073	10,696	11,191	11,052	10,651	10,862	11,719	12,105
Passenger earnings (in crores of Rs.) ..	18.25	21.10	18.63	17.44	17.68	18.83	20.11	19.84	19.69	20.35	22.06	25.54
Average lead (in kilometres)	44.1	50.1	50.3	48.5	52.2	48.0	49.5	48.9	46.2	45.5	46.1	46.8
Average rate per passenger kilometres (in paise).	1.50	1.80	1.71	1.74	1.60	1.76	1.80	1.79	1.85	1.87	1.88	2.11
Goods Traffic—												
Tonnes originating (in millions)—												
Revenue earning Traffic	10.9	10.6	8.8	8.8	9.0	9.2	9.4	10.2	10.3	10.7	11.8	12.1
Total traffic	11.9	11.3	10.9	11.1	11.4	12.4	13.1	14.6	15.0	15.8	16.6	16.1
Net tonne kilometres (in millions)—												
Revenue Earning Traffic	4,840	4,676	4,884	5,003	5,370	5,966	6,204	6,636	6,929	7,386	7,755	8,411
Total Traffic	5,313	5,243	5,433	5,530	5,879	6,519	6,956	7,509	7,715	8,309	8,733	9,379
Earnings from goods carried excluding wharfage and demurrage charges (in crores of Rs.) ..	20.7	21.2	19.0	19.6	20.6	23.5	24.9	27.1	29.1	31.9	34.0	35.8
Average lead (in kilometres) (Revenue)	343.6	363.7	384.5	389.0	396.1	405.1	396.5	385.5	387.5	391.0	400.5	427.1
Average rate per tonne kilometre (in paise)	4.27	4.54	3.89	3.92	3.84	3.94	4.02	4.08	4.19	4.32	4.38	4.26
Quantity of fuel consumed by locomotives—												
Coal (in thousand tonnes)	1,378	1,436	1,461	1,461	1,562	1,664	1,839	1,964	2,001	2,127	2,187	2,348
Diesel oil (in kilometres)	..	..	..	..	..	..	..	403	689	822	888	925
Stores purchases (in crores of Rs.)—												
Indigenous	9.22	7.89	8.79	7.27	8.94	9.29	13.78	20.88	12.17	11.64	11.04	21.99
Total	12.05	11.93	13.13	11.13	16.57	13.35	23.46	29.17	23.22	18.50	20.56	23.75
Operating revenue and expenditure (in crores of Rs.)—												
Revenue—Gross receipts	44.25	46.82	N. A.	N. A.	43.25	47.93	49.98	52.53	55.03	58.68	62.82	68.57
Working expenses including depreciation etc. and miscellaneous expenses.	34.54	35.03	N. A.	N. A.	39.19	42.86	45.43	52.23	51.31	53.58	56.43	60.48
Net revenue receipts	9.71	11.79	N. A.	N. A.	4.06	5.07	4.55	0.30	3.72	5.10	6.39	8.09
Percentage of net revenue receipts to the capital-at-charge and investment from capital fund.	8.43	10.20	N. A.	N. A.	3.25	3.82	3.13	0.19	2.15	2.81	3.37	3.83
Operating ratio (per cent)	78.65	74.35	N. A.	N. A.	80.53	90.15	88.20	96.34	92.77	89.05	88.77	85.47
Dividend to General Revenues	4.54	4.57	N. A.	N. A.	4.83	4.99	5.04	5.97	6.65	7.00	7.31	8.29
Payments to States in lieu of tax on Passenger fares.	..	..	..	..	..	..	..	..	..	..	..	2.12
Surplus (+)/Deficit (—)	(+) 5.17	(+) 7.12	N. A.	N. A.	(—) 0.77	(+) 0.08	(—) 0.49	(—) 5.67	(—) 2.93	(—) 1.99	(—) 0.92	(—) 2.32

SEVENTY ONE YEARS OF SUMMARY

1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72	1972-73	Details
235.60	271.25	312.85	348.57	286.44	295.07	299.50	310.45	322.91	338.23	363.18	Capital-at-charge (Rs. in crores)
296.34	342.11	391.26	433.99	349.98	362.58	370.93	387.40	404.11	424.01	452.90	Total Investment (Rs. in crores)
36.08	36.08	163.13	163.13	163.13	166.44	166.44	166.44	166.44	166.44	166.44	Route Kilometres Electrified
9,985.58	10,067.08	10,153.14	10,200.98	7,216.45	7,283.85	7,444.98	7,444.98	7,444.98	7,445.62	7,452.32	Total
65.27	65.27	217.35	217.35	217.35	220.66	220.66	220.66	220.66	220.66	220.66	Running track Kilometres Electrified
10,662.29	10,922.04	11,081.72	11,209.34	7,761.82	7,875.60	8,090.39	8,090.39	8,118.63	8,119.27	8,218.86	Total
1,346	1,362	1,368	1,373	1,022	1,023	1,031	1,029	1,025	1,021	1,016	Number of Stations.
1,783	1,827	1,780	1,786	1,228	1,218	1,193	1,143	1,128	1,105	999	Rolling Stock—
..	26	69	98	114	128	161	210	223	244	242	Steam
4	4	4	22	20	20	20	20	20	20	20	Diesel
..	..	..	..	..	..	..	..	..	..	..	Electric
3,865	3,801	3,984	4,111	4,187	3,526	3,596	3,600	3,608	3,604	3,753	Passenger carriages
96	96	96	96	96	152	172	172	172	174	174	Electric Multiple Unit 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.)
39.95	40.45	41.63	44.24	40.64	35.03	35.04	35.57	36.24	36.80	34.38	Average cost per employee (in Rs.)
..	..	..	..	..	..	..	..	..	..	..	For the year—
..	..	..	..	..	..	..	..	..	..	..	Transportation Out-put—Train-kilometres excluding Departmental (in millions)—
23.82	25.78	24.38	25.52	20.66	16.35	17.51	18.02	17.81	18.80	16.89	Passenger and proportion of mixed
654	663	679	743	673	574	563	605	635	647	627	EMU
..	..	..	..	..	..	..	..	..	..	..	MEMU
..	..	..	..	..	..	..	..	..	..	..	DEMU
934	1,006	948	1,053	870	692	774	816	828	865	804	Goods and proportion of mixed
251	260	269	283	276	237	207	222	237	257	258	Vehicle and wagon kilometres (excluding departmental and brake-vans) (in millions)—
11,848	12,239	12,578	13,461	13,158	11,185	9,476	9,701	10,417	10,980	11,259	Vehicle kilometres
26.87	28.93	30.27	34.04	31.5	29.1	27.2	28.2	30.6	33.1	34.8	EMU
46.9	46.8	46.3	47.2	47.4	46.8	45.5	43.5	43.6	42.1	43.3	MEMU
2.26	2.36	2.41	2.53	2.39	2.60	2.87	2.91	2.94	3.02	3.09	DEMU
12.8	13.8	14.4	16.0	14.6	12.3	12.1	11.8	12.2	13.0	12.5	Wagon kilometres
17.1	17.3	17.5	18.5	16.4	13.5	13.2	13.2	13.1	14.3	13.6	Wagon kilometres
8,823	9,504	9,282	10,475	9,437	7,234	7,595	7,707	8,085	8,675	8,486	Volume of Traffic—
9,758	10,417	10,155	11,326	10,088	7,820	8,294	8,250	8,797	9,428	9,179	Passenger Traffic—
38.5	43.9	45.0	51.2	48.0	38.7	41.8	42.7	47.4	52.7	52.0	No. of passengers originating (in millions)
422.0	429.8	431.0	447.0	442.0	419.0	430.0	422.0	422.0	429.0	483.0	Passenger kilometres (in millions)
4.37	4.62	4.85	4.89	5.08	5.34	5.51	5.54	5.87	6.08	6.15	Passenger earnings (in crores of Rs.)
2,476	2,666	2,563	2,508	2,027	1,600	1,603	1,629	1,574	1,584	1,388	Average lead (in kilometres)
723	3,251	21,544	39,923	54,279	65,794	79,050	94,658	111,146	120,766	130,482	Average rate per passenger kilometres (in Paise)
24.25	37.02	42.20	39.29	2.70	20.23	20.65	32.07	35.43	29.96	37.04	Goods Traffic—
27.55	44.04	49.84	43.03	6.47	24.38	27.31	33.59	40.24	32.57	45.38	Tonnes originating (in millions)—
73.39	81.98	84.06	94.89	73.02	76.62	78.96	81.44	90.12	100.23	100.30	Revenue earning Traffic
66.16	71.38	77.89	84.42	69.65	75.90	79.83	84.20	90.23	95.97	99.05	Total Traffic
7.23	10.60	6.17	10.47	3.37	0.72	(-) 0.87	(-) 2.76	(-) 0.11	4.26	1.25	Net tonne kilometres (in millions)—
3.06	3.76	2.00	3.00	1.17	0.24	(-) 0.29	(-) 0.88	(-) 0.04	1.26	0.34	Revenue earning traffic
86.62	82.94	90.00	86.96	92.15	98.70	99.69	101.54	98.44	94.75	97.89	Total traffic
9.13	11.32	13.22	15.02	14.54	15.16	15.11	15.61	16.44	15.91	16.93	Earnings from goods carried excluding and wharfage demurrage charges (in crores of Rs.).
1.99	1.95	1.90	1.94	..	..	..	..	..	..	..	Average lead (in kilometres) (Revenue)
(-) 3.89	(-) 2.67	(-) 8.95	(-) 6.49	(-) 11.17	(-) 14.44	(-) 15.98	(-) 18.37	(-) 16.55	(-) 11.65	(-) 15.68	Average rate per tonne kilometre (in paise)
											Quantity of fuel consumed by locomotives—
											Coal (in thousand tonnes)
											Diesel oil (in kilometres)
											Stores purchases (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 (percent)
											Dividend to General Revenues
											Payments to States in lieu of tax on Passenger fares.
											Surplus (+)/Deficit (-)

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SOUTHERN RAILWAY

एखतर वर्ष का सार

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	943	934	911	916	799	792	761	702	592	382	370	364	358	336	229
Steam ..	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	20	27	41
Coaching stock	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
Passenger carriages	171	171	171	171	171	192	272	348	358	354	353	353	371	371	371
Electric Multiple Unit	18	18	18	13	11	11	14	11	7	7	7	7	10	10	10
Coaches.	1,066	1,049	1,029	988	943	928	902	893	845	824	817	809	793	768	746
Rail cars	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
Other coaching vehicles	18	18	18	13	11	11	14	11	7	7	7	7	10	10	10
Wagons	34,173	33,863	35,104	30,029	31,723	31,062	31,005	30,032	29,588	28,582	27,547	265,803	26,325	25,885	24,886
Staff—															
No. of employees (in 1000s)	135.0	136.0	137.7	138.6	124.9	129.5	135.2	136.3	137.6	137.0	140.9	139.7	141.3	142.2	142.5
Cost of staff (in crores of Rs.)	57.96	73.75	88.40	92.30	91.42	87.99	110.75	128.46	147.84	180.28	208.67	241.01	264.11	325.55	402.1
Average cost per employee (in Rs.)	4,314	5,450	6,419	6,668	6,528	7,613	8,443	9,515	10,784	13,214	14,885	17,342	18,686	23,021	28,216
For the year—															
Transportation Out-put—Train-kilometres excluding Departmental (in millions)—															
Passenger and proportion of mixed	30.06	25.20	33.82	35.54	35.59	32.25	32.43	33.72	33.23	35.67	37.35	33.38	38.02	38.57	39.35
EMU ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MEMU ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
DEMU ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Goods and proportion of mixed	16.28	16.24	17.40	18.40	16.15	13.03	12.48	..	13.49	13.00	13.48	14.12	14.49	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

SEVENTY ONE YEARS OF SUMMARY

1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	2001-02	2002-03	Details
1,075.55	1,195.87	1,320.46	1,423.42	1,796.23	1,844.87	*1,869.20	1,831.59	1,780.38	2,177.34	2,555.48	2,965.63	3,375.13	3,773.92	4,142.37	Assets— (As on 31st March)
1,399.56	1,559.58	1,741.93	1,892.06	2,330.42	2,641.17	2,912.38	3,309.55	3,819.04	4,630.81	5,331.98	5,927.01	*6,534.54	7,187.95	7,900.54	Capital-at-charge (Rs. in crores)
															Total investment (Rs. in crores)
598.39	649.60	775.56	959.09	959.09	972.56	1,001.7	1,115.80	1,227.74	1,259.29	1,316.04	1,352.05	1,352.05	1,483.91	1,558.56	Route Kilometres Electrified
6,757.76	6,924.04	6,924.04	6,928.26	7,009.00	7,020.55	7,050.97	7,049.47	7,040.49	7,009.51	7,145.88	7,144.03	7,164.83	7,197.13	7,192.88	Total
1,149.01	1,273.77	1,509.34	1,797.23	1,797.23	1,827.42	1,854.62	2,049.76	2,257.61	2,339.12	2,468.35	2,538.23	2,538.23	2,671.63	2,748.92	Running track Kilometres Electrified
7,849.89	8,049.4	8,059.52	8,062.06	8,142.80	8,171.53	8,211.20	8,212.99	8,223.87	8,244.86	8,427.7	8,494.40	8,593.64	8,658.94	8,689.71	Total
845	845	832	831	821	813	802	786	774	772	769 *	757	757	754	752	Number of stations.
171	168	138	117	75	41	10	10	10	10	10	10	10	10	10	Rolling Stock—
346	364	374	388	373	398	421	434	436	487	516	512	527	559	538	Steam ..
73	102	107	112	127	145	149	150	155	171	184	215	223	212	224	Diesel ..
3,919	3,958	4,068	4,233	4,452	4,574	4,559	4,632	4,863	5,012	4,869	*4,962	5,152	5,264	5,495	Electric ..
*371	378	389	392	415	418	449	477	512	537	592	595	603	627	603	Passenger carriages
															Electric MultipleUnit coaches.
4	4	4	4	4	4	4	4	2	..	2 *	2	2	2	2	Rail cars ..
696	641	610	573	535	523	505	519	531	544	517 *	* 281	271	273	270	Other coaching vehicles
24,334	23,903	24,693	24,402	23,536	21,016	17,956	16,280	15,311	15,629	16,475	15,888	14,732	13,558	13,031	Wagons
															Staff—
144.2	146.6	147.0	150.0	149.4	145.8	142.937	140.366	139.300	136.654	136.585	136.463	133.587	130.579	**126.992	No. of employees (in 1000s)
463.5	513.5	560.1	611.5	684.1	795.39	880.62	993.57 **	1,114.70	1425.99	1,587.35	1,653.20	1,816.72	1,822.43	1,893.43	Cost of staff (in crores of Rs.)
32,148	35,079	38,150	40,826	45,886	550.97	616.17	70,784 **	80,075	1,04,435	1,16,397	1,21,214	1,360.72	1,39,636	1,49,003	Average cost per employee (in Rs.)
															For the year—
40.13	40.77	41.09	41.10	41.92	42.00	45.42	48.19	48.64	50.18	50.34	51.60	52.50	53.80	55.41	Transportation Out-put—Train kilometres excluding deport. mental (in millions)—
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Passenger and proportion of mixed EMU
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	MEMU
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	DEMU
16.25	16.04	16.86	16.61	17.30	15.63	14.35	14.52	14.97	14.90	14.85	14.99	14.31	13.89		Goods and proportion of mixed Vehicle and wagon K.Ms. (excluding dpt. mental and brake-vals) (in millions)—
876	890	902	913	944	954	1,022	1,065	1,073 *	1,133	1,170 *	1,210	1,296	1,373	1,435	Vehicle kilometres
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	EMU
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	MEMU
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	DEMU
1,007	1,018	1,107	1,103	1,146	1,090	1,044	1,077	1,185	1,190	1,132 *	1,250	1,326	1,280	1,289	Wagon kilometres
282	295	318	332	317	318	349	365	381	417	402	* 423	465	492	466	Volume of Traffic—
22,097	23,637	25,044	27,021	25,017	24,115	27,224	29,880	31,998	35,328	37,298	40,458	44,968	46,725	46,867	Passenger Traffic—
															No. of passengers originating (in millions)
236.31	244.93	292.84	337.12	387.68	446.96	520.96	595.75	651.28	765.76	843.20	945.15	1,057.15	1,152.47	1,344.63	Passenger earnings (in crores of Rs.)
69.5	76.0	77.8	76.2	78.7	76.6	70.31	*75.83	79.5 **	81.4	82.73	92.05	93.24	87.28	96.14	Average lead (in kilometres)
10.69	10.36	11.69	12.48	15.50	18.53	*19.14	19.94	20.35	21.68	22.61	23.36	23.51	24.67	28.69	Average rate per passenger. K.M. (in paise)
															Goods Traffic—
16.8	17.3	18.6	19.6	20.7	19.0	19.27	21.02	23.41	27.53	29.34	29.51	30.09	24.88	24.08	Tonnes originating (in millions)—
18.4	18.8	20.0	20.98	21.97	20.1	20.39	22.20	24.55	29.00	30.95	30.94	32.11	27.27	24.86	Revenue earning traffic
11,906	11,998	13,200	13,201	13,622	129,91	12,931	13,864	15,018	15,251	14,629	15,788	16,623	15,506	15,924	Net tonne K. M. (in millions)—
12,200	12,282	13,467	13,467	13,857	131,58	13,091	14,026	15,141	15,407	14,763	15,921	16,791	15,725	16,118	Revenue earning traffic
316.50	374.12	439.32	472.16	524.31	602.65	670.69	779.38	884.33	1,065.44	1,068.34	1,159.72	1,287.76	1,210.66	1,256.59	Total traffic
346	351	342	353	350	349	331	330	304	303	311	311	312	331	331	Earnings from goods carried excluding wharfage and demurrage charges (in crores of Rs.).
26.58	31.18	33.28	35.77	38.49	46.39	51.87	56.22	58.89	69.86	73.03	73.46	77.47	78.07	78.91	Average lead (in kilometres)
212	205	177	168	128	40	15.46	2.34	2.19	2.10	2.18	2.16	2.59	1.90	1.74	Average rate per tonne kilometre (in paise)
162,219	171,611	179,309	177,546	179,265	161,865	170,530 *	178,816 *	178,665 *	181,125	1,97,668	2,17,566	2,19,143	2,26,870	2,32,602	Quantity of fuel consumed by locomotives—
307.55	347.46	427.42	457.63	587.05	480.06	456.31	498.43	696.56	1,024.92	920.15	766.61	992.02	*934.29	1,246.79	Coal (in thousand tonnes)
324.63	391.39	454.57	476.18	617.49	505.13	493.35	507.23	719.08	1,040.55	972.00	*779.59	1,019.24	*958.58	1,260.63	Diesel oil (in kilolitres)
															Stores purchased (in crores of Rs.)—
632.70	710.24	822.58	918.02	1,007.91	1,193.62	1,327.35	1,546.09	1,699.87	2,022.29	2,104.80	2,336.43	2,603.34	2,607.15	2,854.45	Indigenous
766.79	879.77	976.21	1,081.45	1,220.57	1,313.76	*1,447.90	1,627.72	1,821.09	2,241.30	2,423.34	*2,679.55	3,140.57	3,251.10	3,398.97	Total
(-)118.22	(-)150.00	(-)125.60	(-)127.78	(-)169.05	(-)66.31	*(-) 63.93	(-)31.24	(-)70.47	(-)161.45	(-)243.00	*(-)249.87	(-)437.06	*(-)630.86	(-)485.51	Operating revenue and expenditure (in crores of Rs.)—
(-) 10.99	(-) 12.54	(-) 9.51	(-) 8.98	(-) 9.41	(-) 3.27	*(-) 2.81	(-)1.20	(-)2.39	(-)4.54	(-)5.99	(-)5.51	(-)8.81	*(-)11.77	(-)8.47	Revenue—Gross receipts
122.04	124.02	118.63	117.81	117.96	110.60	109.47	105.62	106.98	111.81	114.29	114.74	120.80	124.98	119.15	working expenses including depreciation etc. and miscellaneous expenses.
66.85	71.40	84.50	93.69	113.15	139.66	*145.15	146.31	143.62	142.90	185.71	217.23	248.25	259.83	289.15	Net revenue receipts
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Percentage of net revenue receipts to the capital-at-charge and investment from capital fund.
(-) 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	Operating ratio (per cent)
															Dividend to General Revenues
															Payments to States in lieu of tax on Passenger fares.
															Surplus (+)/Deficit (-)

* Revised.

300 द. रे. वार्षिक रिपोर्ट/S. R. ANNUAL REPORT 2020-21
SOUTHERN RAILWAY

एखतर 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*	*4,647.59	4,993.43	5,592.94	6,214.11	6,871.49	7,475.75	9,390.61	10,029.06
Average cost per employee (in Rs.)	1,71,7081	1,93,645	2,04,896	*2,14,787	2,30,624	4,30,712	5,00,882*	*4,85,434	5,28,450	5,96,231	6,69,928	7,48,447	7,94,574	1,00,48,60	1,11,12,77
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	88,2
Passenger kilometres (in millions)															85,873
Passenger earnings (in crores of Rs.)	1,58.66	1,238.82	1,332.56	1,510.77	1,805.86	2,094.09	2,154.61	2,317.69	2,565.97	2,823.61	3,290.64	3,719.99	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 kilometres (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	178.06	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	2,910.81	2,022.89	2,422.61	3,279.00
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	3,434.22	2,494.51	2,431.88	3,286.43
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*	-1,670.60	-1,297.62	-1,808.10	-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 2021
Open line : 84.21
Construction : 1.07
Total : 85.28

* As per Dy. FA&CAO/Bks & Budget letter No. A2/CAS/III/2020-21 dt. 22-06-2021.

SEVENTY ONE YEARS OF SUMMARY-

2018-19	2019-20	2020-21															Details
16,945.73	18696.86	19711.90															Assets—(As on 31st March)
36,496.17	39619.62	40677.32															Capital-at-charge (Rs. in crores)
																	Total investment (Rs. in crores)
3,223.58	3418.96	3605.77															Route Kilometres Electrified
5,081.06	5086.69	5086.69															Total
5,467.59	5703.35	7871.51															Running track Kilometres Electrified
7,342.95	7376.53	7550.00															Total
611	610	611															Number of stations.
6	8	8															Rolling Stock—
350	344	333															Steam .. } Locomotives
489	528	564															Diesel .. }
6,638	6819	6776															Electric .. }
833.84	887.17	858.75															Passenger carriages } Coaching stock
																	Electric Multiple Unit coaches. }
0	0	0															Rail cars .. }
439	421	412															Other coaching vehicles
9,536	10000	9999															Wagons
85.839	84.660	85.282															Staff—
10,384.29	10763.18	7300.60															No. of employees (in 1000s)
1209741	1271342	856054															Cost of staff (in crores of Rs.)
																	Average cost per employee (in Rs.)
																	For the year—
55.01	55.57	14.66															Transportation Out-put—Train kilometres excluding deport. mental (in millions)—
9.26	9.02	2.90															Passenger and proportion of mixed
3.11	3.50	0.79															EMU
1.40	1.55	0.04															MEMU
10.56	9.97	11.10															DEMU
																	Goods and proportion of mixed
2,122.80	2135.77	597.99															Vehicle and wagon K.Ms. (excluding dpt. mental and brake-vans) (in millions)—
95.07	93.13	29.31															Vehicle kilometres
28.00	31.71	7.48															EMU
11.01	11.790	0.32															MEMU
479	450	455															DEMU
																	Wagon kilometres
																	Volume of Traffic—
																	Passenger Traffic—
838	800.04	98.08															No. of passengers originating (in millions)
903	845.69	106.28															No. of passengers carried (in millions)
88500	88131.03	14308.59															Passenger kilometres (in millions)
4482.49	5045.93	1128.29															Passer. earnings (in crores ofRs.)
98.01	104.17	134.63															Average lead (in kilometres)
50.65	57.25	78.85															Average rate per passer. K.M. (in paise)
																	Goods Traffic—
																	Tonnes originating (in millions)—
35.75	31.75	26.84															Revenue earning traffic
35.97	31.96	26.89															Total traffic
16964	15459	15761															Net tonne K. M. (in millions)—
16976	15473	15765															Revenue earning traffic
3065.22	2695.37	2546.10															Total traffic
283	283	296															Earnings from goods carried excluding wharfage and demurrage charges (in crores of Rs.).
1.81	1.74	1.62															Average lead (in kilometres)
																	Average rate per tonne kilometre (in paise)
0.000	0.000	0															Quantity of fuel consumed by locomotives—
1,677.29	1361.07	317.70															Coal (in thousand tonnes)
																	Diesel oil (in kilolitres)
5,165.61	5636.63	2968.84															Stores purchased (in crores of Rs.)—
5,175.54	5642.10	2974.12															Indigenous
																	Total
8,464.11	8189.02	4026.43															Operating revenue and expenditure (in crores of Rs.)—
12,773.24	11726.25	8803.63															Revenue—Gross receipts
																	working expenses including depreciation etc. and miscellaneous expenses.
-4,305.67	-3509.28	(-)4777.21															Net revenue receipts
-19.95	-18.77	(-)24.19															Percentage of net revenue receipts to the capital-at-charge and investment from capital fund.
152.62	146.48	218.65															Operating ratio (per cent)
0.00	0.00	0.00															Dividend to General Revenues
																	Payments to States in lieu of tax on Passenger fares.
-4,305.67	-3509.28	(-)4777.21															Surplus (+)/Deficit (—)

दक्षिण रेलवे/SOUTHERN RAILWAY

सघनता विवरणिका 2018-2019 (बड़ी लाइन)/DENSITY STATEMENT FOR THE YEAR 2020-2021—BROAD GAUGE

302 द. रे. वार्षिक रिपोर्ट/S. R. ANNUAL REPORT 2020-21

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	6.206	6.206	272.109	272.109	5.445	5.445	237.594	237.594	8606	8606	17213	15116	15116	16487	16487	31603	31603	1581	1581
2	MAS-AJJ	69	D	E	9.821	9.821	403.861	403.861	10.027	10.027	467.813	467.813	17028	17028	34057	29627	29627	35481	35481	65108	65108	1558	1558
3	AJJ-JTJ	144	D	E	11.374	11.374	477.645	477.645	18.538	17.918	780.777	754.651	24726	23898	48624	46620	45060	14993	14993	61614	60054	1134	1134
4	AJJ-RU	72	D	E	2.833	2.833	114.664	114.664	18.760	18.760	785.884	785.884	27644	27644	55288	50073	50073	3926	3926	53999	53999	1474	1474
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	4478	4478	4478	4478	0	0
6	VM-KOK	169	D	E	9.858	9.858	404.716	404.716	2.859	2.859	120.556	120.556	4741	4741	9481	8012	8012	11959	11959	19971	19971	1658	1558
7	CGL-AJJ	67	S	E	0.080	0.080	3.205	3.205	0.524	0.524	17.424	17.424	320	320	639	827	827	1113	1113	1113	1940	610	311
8	RPT-WJR	6	S	NE	0.031	0.031	1.295	1.295	0.000	0.000	0.000	0.000	0	0	6	0	0	38	38	0	38	38	0
	PALAKKAD DIVISION	568																					
1	PTJ-PGT	49	D	E	6.985	6.985	286.971	286.971	6.300	6.514	234.990	235.713	6859	6878	13737	14017	14058	8646	8646	22663	22704	1089	1089
2	PGT-SRR	44	D	E	7.287	7.287	297.791	297.791	6.834	6.834	241.972	241.972	6904	6904	13808	14282	14282	9044	9044	23326	23326	1010	1010
3	SRR-CLT	86	D	E	7.392	7.392	303.218	303.218	3.735	3.735	127.096	127.096	3559	3559	7118	7495	7495	9135	9135	16630	16630	953	953
4	MAQ-CLT	220	D	E	5.576	5.576	233.581	233.581	2.672	2.672	86.060	86.060	2283	2283	4567	4981	4981	6733	6733	11713	11714	855	855
5	PGT-PGTN	4	S	E	0.797	0.797	27.776	27.776	0.134	0.135	4.225	4.224	128	128	256	288	288	832	832	1120	1120	956	956
6	SRR-NIL	66	S	NE	0.272	0.272	7.004	7.004	0.062	0.062	1.470	1.470	57	57	114	119	119	216	216	335	335	922	922
7	MAQ-PNMB	24	S	NE	1.687	1.687	67.714	67.714	4.287	4.287	159.017	159.017	4283	4283	8565	8929	8929	1978	1978	10907	10907	999	999
8	POY-PGTN	54	S	NE	1.030	1.030	20.228	20.228	0.139	0.139	4.416	4.416	114	114	228	258	258	595	595	853	853	820	820
9	POY-CNV	21	S	E	0.000	0.000	0.000	0.000	0.055	0.055	2.121	2.121	58	58	117	135	135	0	0	135	135	1060	1060
	THIRUVANANTHAPURAM DIVISION	620																					
1	SRR-ERS	115	D	E	11.722	11.722	478.865	478.865	3.986	3.986	149.514	149.514	4638	4638	9276	9236	9235	14279	14279	23315	23514	1164	1164
2	ERS-QLN	156	D	E	8.207	8.207	321.769	321.769	1.153	1.153	14.804	14.804	1567	1567	3134	3178	3178	9696	9696	12874	12874	1359	1359
3	QLN-TVC	65	D	E	9.487	9.487	380.948	380.948	0.812	0.812	33.584	33.584	1027	1027	2055	2060	2060	11612	11612	13672	13672	1265	1265
4	CAPE-NCJ	16	S	E	1.1070	1.1070	46.848	46.848	0.000	0.000	0.000	0.000	0	0	0	0	0	1364	1364	1364	1364	0	0
5	TEN-TVC	144	S	E	0.000	0.000	0.000	0.000	0.775	0.774	33.017	33.017	1024	1024	2047	2030	2030	4472	4472	6502	6502	1321	1321
6	ERS-KYJ	101	S	E	2.731	2.731	117.575	117.575	0.546	0.546	59.868	59.868	46	46	92	140	140	3663	3663	3804	3804	84	84
7	TCR-GUV	23	S	E	0.740	0.740	28.849	28.849	0.000	0.000	0.000	0.000	0	0	0	0	0	848	848	848	848	0	0

SALEM DIVISION		816																					
1	ED-JTJ	179	D	E	254.686	254.686	22.363	254.686	39.363	39.363	1648.478	1648.278	52622	52617	105239	100458	100446	37444	37444	137901	137890	1337	1337
2	ED-PTJ	107	D	E	10.824	10.824	453.058	453.058	8.911	8.911	309.043	309.043	10269	10269	20538	20413	20414	13880	13880	34293	34294	1152	1152
3	ED-TP	137	S	E	18.993	18.993	74.745	74.745	2.893	2.893	117.799	177.799	3908	3908	7816	7235	7235	2865	2865	10100	10100	1351	1351
4	SA-MTDM	40	S	E	0.538	0.538	22.497	22.497	5.460	5.460	314.770	314.770	10787	10787	21575	18822	18822	656	656	19478	19478	1976	1976
5	VRI-SA	139	S	E	19.661	19.661	0.000	0.000	0.169	0.169	6.085	6.085	152	152	303	329	329	22	22	351	351	987	987
6	DG-KRR	74	S	E	1.769	1.769	67.019	67.019	2.177	2.177	85.133	85.133	2801	2801	5603	5256	5256	1974	1974	7230	7230	1287	1287
7	CBE-MTP	36	S	E	15.597	15.597	26.836	29.836	0.006	0.005	71.143	71.137	1	1	1	3	2	886	886	888	887	107	128
8	KRR-SA	85	S	E	0.748	0.748	29.588	29.588	3.890	3.890	177.091	177.091	6166	6166	12332	11027	11027	1137	1137	12164	12164	1585	1585
9	CNV-PTJ	19	S	E	0.000	0.000	0.000	0.000	0.011	0.011	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0
MADURAI DIVISION		1204																					
1	MDU-TPJ	160	D	E	7.321	7.321	286.328	286.328	2.567	2.567	94.222	94.222	3679	3679	7358	6439	6439	8556	8556	14995	14995	1433	1433
2	TN-MDU	158	S	E	4.826	4.826	188.573	188.573	2.723	2.723	103.528	103.528	3691	3691	7383	6678	6678	5618	5618	12296	12296	1356	1356
3	TEN-MEJ	29	S	E	4.568	4.568	175.230	175.230	1.174	1.174	41.564	41.564	1195	1195	2390	2407	2407	5310	5310	7717	7717	1018	1018
4	TCN-TEN	61	S	NE	0.319	0.319	11.491	11.491	0.000	0.000	0.000	0.000	0	0	0	0	0	341	341	341	341	0	0
5	SCT-VPT	130	S	NE	1.241	1.241	46.899	46.899	0.045	0.045	1.123	1.123	34	34	68	68	68	1138	1138	1206	1206	752	752
6	RMM-MNM	113	S	NE	1.176	1.176	45.865	45.865	0.047	0.047	1.885	1.885	54	54	107	106	106	1350	1350	1456	1456	1139	1139
7	MNM-MDU	48	S	E	0.007	0.007	0.195	0.195	0.099	0.099	4.013	4.013	155	155	310	273	273	7	7	280	280	1565	1565
8	MNM-TPJ	151	S	E	1.713	1.713	67.840	67.840	0.196	0.196	7.184	7.184	226	226	452	433	433	1998	1998	2430	2430	1153	1153
9	QLN-PUU	45	S	NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0
10	PUU-SCT	49	S	NE	0.571	0.571	16.017	16.017	0.001	0.001	0.029	0.029	1	1	3	2	2	491	491	493	493	1362	1362
11	TSI-TEN	72	S	NE	0.236	0.236	6.581	6.581	0.004	0.004	0.122	0.122	8	8	16	11	11	202	202	214	214	2019	2019
12	DG-POY	121	S	NE	0.515	0.515	20.132	20.132	0.033	0.033	1.111	1.111	47	47	93	80	80	592	592	672	672	1412	1412
13	VPT-MNM	67	S	E	0.210	0.210	7.195	7.195	0.105	0.105	3.454	3.454	62	62	124	169	169	215	215	384	384	591	591
TIRUCHCHIRAPPALLI DIVISION		859																					
1	TPJ-TP	4	S	E	1.586	1.586	57.37	57.37	4.931	4.931	226.582	226.582	6503	6503	13006	12698	12698	2249	2249	14947	14947	1319	1319
2	TPJ-TJ	50	D	E	2.482	2.35	100.25	100.25	3.609	3.609	163.235	163.235	4856	4856	10621	9095	9095	3348	3348	12443	12443	1346	1346
3	TJ-MV	70	S	E	2.416	2.416	98.727	98.727	0.402	0.402	14.499	14.499	455	455	909	873	873	2992	2992	3865	3865	1131	1131
4	VRI-CUPJ	57	S	E	0.000	0.000	0.000	0.000	0.364	0.364	16.565	16.565	307	307	614	763	763	000	000	763	763	843	843
5	PDY-VM	38	S	E	0.313	0.313	9.674	9.674	0.074	0.075	3.114	3.114	109	113	222	205	205	408	408	613	613	1474	1510
6	VM-MV	122	S	E	2.202	2.202	94.855	94.855	1.365	1.365	70.323	70.323	2401	2401	4802	4396	4396	2549	2549	6946	6946	1759	1759
7	TPJ-VM	178	D	E	7.931	7.931	320.875	320.875	2.267	2.267	85.067	85.067	3665	3665	7329	6193	6193	9448	9448	15641	15641	1616	1616
8	TJ-TVRR	54	S	E	0.621	0.621	24.389	24.389	2.775	2.775	133.621	133.621	4242	4242	8485	7838	7838	713	713	8550	8550	1529	1529
9	VM-KPD	160	S	E	0.262	0.262	5.373	5.373	0.319	0.319	11.896	11.896	430	430	860	778	778	241	241	1019	1019	1348	1348
10	TVR-NCR	30	S	E	0.808	0.808	33.392	33.392	4.08	4.08	221.841	221.841	7356	7356	14711	13432	13432	969	969	14401	14401	1803	1803
11	NCR-KIK	11	S	E	0.807	0.807	33.524	33.524	0	0	0	0	0	0	0	0	0	974	974	974	974	0	0
12	MQ-NMJ	14	S	E	0.306	0.306	11.08	11.08	0	0	0	0	0	0	0	0	0	328	328	328	328	0	0
13	VLKN-NGT	10	S	NE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	TVR-MV	38	S	E	0.628	0.628	24.937	24.937	2.089	2.089	113.294	113.294	3737	3737	7473	7023	7023	730	730	7753	7753	1789	1789
15	PKT-TTP	50	S	NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	TTP-TVRR	26	S	NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	KKDI-PKT	73	S	NE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		4749	Note : Route Kilometre as per Annual statistical Statement No. 8 for B. G.										4914.28	165.28									

The Difference is due to Non-Inclusion of Villivakkam (VLK) AnnaNagar(ANNG) in any section (The Traffic has been included in Chennai (MAS). Arakkonam(AJJ) Section, Panamburu Yard, Cochin Harbour Yard, Tiruchchirappalli Yard, Chennai Local Kilometres (like Basinbridge (BBQ) to Washermenpet (WST) link, Vvasarpadi (VPY) to Korukkupet (KOK) link etc.) and rounding OFF.

दक्षिण रेलवे/SOUTHERN RAILWAY

सघनता विवरणिका 2020-2021 (छोटी लाइन)/DENSITY STATEMENT FOR THE YEAR 2020-2021—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	Up.	Dn.	Up.	Dn.	Up.	Dn.	Up.	Dn.
					1389	1389	12215	12215	0.000	0.000	0.000	0.000	0	0	0	44	7	110	110	154	117	0	0

Note : Route Kilometre as per Annual statistical Statement No. 8 for M. G. 172.62
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) 37 Kms. Totaling 126.74 Kms.