

1. New Lines (Construction) (CS)

2. Gauge Conversion (CS)

3. Line Doubling (CS)

FINANCIAL OUTLAY (Rs. In Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicator(s)	Target 2021-22	Outcome	Indicator(s)
21,049.01	1. Greater speed of construction of new lines, gauge conversion and Line doubling	1.1. New Lines constructed (km)	300	1. Greater access to unconnected routes especially LWE districts, Strategically important districts, Tribal areas, etc	1.1. Locations connected to Railways due to NL construction (assuming standard last mile distance)	284 ²
		1.2. Total length of Gauge Conversion (km) works	500			
		1.3. Total length of Line Doubling (km) completed.	1,600	2. Greater safety and throughput as well as more freight services on congested routes	2.1 Increase in passenger throughput (PKM)	0.15%
					2.2 Increase in freight throughput (NTKM)	2.2%

¹ Excluding EBR

² New lines Planned to be commissioned- Biharsharif- Barbigha, Daniawan- Fazalchak, Fazalchak-Jatdumri, Ghazipur city-Tarighat, Meham- Hansi, Deedwana-Piplani, Milvittan-Melmarurdur, Solapurwadi- Ashti, Mahipur- Nuagaon, Jhartarabha- Bichhupali, Mohanpur-Babupur, Gajwel-Kodakandla, Gundlakamma- Darsi, Maganur-Makhtal, Karatgi-Sindhanur

4. Signaling & Telecom (CS)

FINANCIAL OUTLAY (Rs. In Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22			
	2021-22	Output	Indicators	Target 2021-22	Outcome	Indicators	Target 2021-22
2,448.30	1.	Signaling Replacement Works	1.1 No. of stations where Modern Signaling works undertaken/completed	310	1. Increased safety at stations where Signaling Replacement works are done	1.1. Number of unsafe working incidents arising out of signal failures	0
	2.	Interlocking of Level Crossing gates	2.1 No. of LC gates where interlocking works undertaken/completed	250	2. Increased safety at gates where Interlocking of Level crossings Gates are done.	2.1 Number of accidents at gates where works of Level Crossing Gates Interlocking are done.	0

5. Track Renewals (CS)

FINANCIAL OUTLAY (Rs. In Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22			
	2021-22	Output	Indicator(s)	Target 2021-22	Outcome	Indicator(s)	Target 2021-22
10,695.00	1.	Greater length of tracks renewed	1.1. Total length of tracks renewed (km)	4,000	1. Reduced pipeline of track renewal works	1.1. Time to complete pending track renewal works (No. of years)	3

6. Road Safety Works -Level Crossings (CS)

7. Road Safety Works - Road over/Under bridges (CS)

FINANCIAL OUTLAY (Rs. In Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Target 2021-22	Outcome	Indicators
6,300.00	1. ROB construction	1.1 No. of ROB/RUBs constructed	1,500	1. Increased Safety	1.1 Percentage reduction in number of accidents on LCs	0 ³
		1.2 Number of Manned LCs removed	1,400			

8. Rolling Stock (CS)

FINANCIAL OUTLAY (Rs. In Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Target 2021-22	Outcome	Indicators
6,815.36	1. Acquisition of rolling stock of each type	1.1 No. of Electric Locomotives operationalized	725	1. Greater throughput in freight and passenger services.	1.1. Increase in Passenger throughput (PKM)	0.15%
		1.2 No. of LHB coaches operationalized	6,695		1.2. Increase in freight throughput (NTKM)	2.2%
		1.3 No. of ICF coaches operationalized				
		1.4 No. of track machines operationalized	100			

³ 100% reduction in number of accidents

9. Traffic Facilities – Yard Remodeling & Others (CS)

FINANCIAL OUTLAY (Rs. In Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Target 2021- 22	Outcome	Indicators
1,128.00	1. Greater coverage of the works	1.1 No. of works commissioned.	43	1. Greater passenger and freight throughput along routes where yard remodelled	1.1. Increase in passenger throughput (PKM)	0.15%
					1.2. Increase in freight throughput (NTKM)	2.2%

10. Workshop including Production Units (CS)

FINANCIAL OUTLAY (Rs. In Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Target 2021-22	Outcome	Indicators
1,850.00	1. Expedited commissioning of projects.	1.1 No. of Projects commissioned	50	1. Timely and efficient maintenance of Railway assets in workshops and PUs	1.1. Rolling stock production target achieved.	100%
					1.2. Overdue maintenance rolling stock in service	0%

11. Machinery & Plant (CS)

FINANCIAL OUTLAY (Rs. In Cr)	OUTPUTS 2021-22	OUTCOMES 2021-22

2021-22	Output	Indicators	Target 2021-22	Outcome	Indicators	Target 2021-22
630.00	1. Replacement of new machinery and plant installations	1.1. Total value of machinery and plant on replacement basis (Cr)	125	1. Timely and efficient maintenance of Railway assets in workshops and PUs	1.1. Rolling stock production target achieved.	100%
		1.2. Total value of additional purchases done (Cr)	225		1.2. Overdue maintenance rolling stock in service.	0%

12. Passenger Other Railway User Amenities (CS)

FINANCIAL OUTLAY (Rs. In Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Target 2021-22	Outcome	Indicators
2,800.00	1. Building better passenger amenities	1.1. Number of stations upgraded	30	1. Greater passenger satisfaction Index	1.1. Passenger satisfaction index	80%
		1.2. Number of foot over bridges constructed	250			

13. Metropolitan Transportation Projects (CS)

FINANCIAL OUTLAY (Rs. In Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Target 2021-22	Outcome	Indicators

FINANCIAL OUTLAY (Rs. In Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Target 2021- 22	Outcome	Indicators
1,900.00	1. Greater access of sub-urban rail	1.1. Length of metropolitan new lines works commissioned	11.5	1. Increased passenger throughput due to these projects	1.1. Total suburban PKMs achieved	1,58,387

14. Bridge Works, Tunnel Works and Approaches (CS)

FINANCIAL OUTLAY (Rs. In Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicator(s)	Target 2021- 22	Outcome	Indicator(s)
900.00	1. Increased speed of Bridge works	1.1. No. of bridge works undertaken / completed	1,100	1. Improved average speeds	1.1. Number of speed restrictions removed annually.	50 ⁴

15. Training/Human Resource Development (CS)

FINANCIAL OUTLAY (Rs. In Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicator(s)	Target 2021-22	Outcome	Indicator(s)
97.40	1. Conducting trainings, seminars,	1.1. No. of trainings / workshops / seminars held.	5,000	1. Capacity building of Railways Staff &	1.1. No. of persons trained.	5,00,000

⁴ It is targeted that speed restrictions on bridge account are kept below 50 no.

	workshops, etc.			related stakeholders		
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16. Railway Research (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicator(s)	Target 2021-22	Outcome	Indicator(s)
85.65	1. Setting up of Fire Testing Facilities at RDSO.	1.1 Following four Testing equipment's to be procured. A. Reaction to fire tests – Ignitability of products: B. Reaction-to-fire tests -- Heat release, smoke production and mass loss C. Reaction to fire tests for D. Reaction to fire tests -- Spread of flame	To develop 4 new materials as per EN 45545-2.	1. To enhance fire safety and ensure safe travel for passengers & safe transport of goods by minimizing the damage due to any fire accident/fire hazard on IR system.	1.1. a. Ensuring compliance of all material used in fire prone application to International norms of EN-45545-2 by verification in fire testing facility. b. Training of officers/ supervisors for complete testing procedures and report preparation	Qr.1 – Finalization of Tender Qr.2 – Award of Tender Qr.3 – Installation & commissioning of Fire Lab.-0-100 Qr.4 - Training of 2 officials

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22			
	2021-22	Output	Indicator(s)	Target 2021-22	Outcome	Indicator(s)	Target 2021-22
	2.	Augmentation of rolling stock design evaluation and testing capability:- Procurement of computational tools and design software for enhancing and building capacity for in-house Design evaluation and verification of Rolling Stock designs.	2.1. Develop competency and facilities for Measurement of lateral and vertical forces at rail wheel level through Instrumented Measuring Wheels.	1. Supply, installation and commissioning of all the 10 instrumented measuring wheel sets and their concomitant accessories. 2. Finalization of testing and acceptance protocol for migration to UIC-518/ 3. EN-14363:2016 methodology. 4. Development of twisted track for first stage testing of rolling stock.	2. Instrumented Measuring wheels are as essential requirement for implementation of global standards as per IR system. Development of Instrumented Measuring Wheels will therefore aid IR in Switch-over to UIC-518 standards for testing and acceptance of rolling stock on IR system.	2.1. Fast track harmonization of IR testing methodology and standards with the Internationally accepted and globally used Norm of UIC-518.	Qr.1-IMWs of Train set 18, WAP5 & WAG9H have been received in August 2020. On-line inspection of IMW BOXNS and BOXNMW has been done. The material has been dispatched by M/s CETEST, Spain and is likely to be received in Nov. '2020. Qr.2-Testing protocol for switch over to UIC-518 (EN--14363:2016) has been finalized by criteria committee of

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22			
	2021-22	Output	Indicator(s)	Target 2021-22	Outcome	Indicator(s)	Target 2021-22
							RDSO. Qr.3 -Twisted track is likely to be ready by end of Dec-2020 Qr.4 - Finalization of acceptance limit for IR Rolling Stock by Standing Criteria Committee.

17. Electrification Projects (CS)

FINANCIAL OUTLAY (Rs. In Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicator(s)	Target 2021-22	Outcome	Indicator(s)
10	1. Electrification of Railway Network	1.1 Additional commissioning of rail routes on electric traction (Km.)	6,000	1. Reduction in dependence on imported fuel i.e., Diesel oil	1.1. Percentage change in diesel oil consumption for traction purposes in Indian	20%

					Railways (%)	
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