Ministry of Railways   **Demand No. 85**

1.   Training/Human Resource Development (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	**Output**	**Indicator(s)**	**Target 2022-23**	**Outcome**	**Indicator(s)**	**Target 2022-23**
335	1. Conducting trainings, seminars, workshops, etc.	1.1. No. of trainings / workshops / seminars held	829	1. Capacity building of Railways Staff & related stakeholders	1.1. No. of persons trained	45,000

2.   Railway Research (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	**Output**	**Indicator(s)**	**Target 2022-23**	**Outcome**	**Indicator(s)**	**Target 2022-23**
51.05	1. Augmentation of rolling stock design evaluation and testing capability of computational tools and design software for enhancing and building capacity for in-house Design evaluation and verification of rolling Stock design.	1.1. Develop competency and facilities for Measurement of lateral and vertical force of rail wheel level through Instrumented Measuring Wheels and development of in-house capacity for design evaluation and verification of	Procurement of solid modeling analysis software, Multi body software and longitudinal dynamics analysis software etc.	1. Instrumented Measuring Wheels in ready to use condition along with the necessary know how for operation & maintenance. Necessary software and hardware in place for design evaluation and verification of Rolling stock designs	1.1 Fast track harmonization of IR testing methodology and standards with the Internationally accepted and globally used norms of UIC/EN	Qr.1 –After final commissioning and field trials of IMWs switchover to UIC-518/EN-14363 methodology for testing of Rolling stocks.

Qr.2 – Procurement of solid modeling analysis software, Multi body software and longitudinal |

		Rolling stock designs			dynamics analysis software and balance hardware etc.by Wagon Directorate. Qr. 3 – Installation and commissioning of all the balance items procured in quarter two. Qr. 4 – Project completion.

Ministry of Railways   **Demand No. 85**

1. **New Lines (Construction) (CS)**
2. **Gauge Conversion (CS)**
3. **Line Doubling (CS)**

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	**Output**	**Indicator(s)**	**Target 2022-23**	**Outcome**	**Indicator(s)**	**Target 2022-23**
40,201.08[1]	1. Greater speed of construction of new lines, gauge conversion and Line doubling	1.1. Length of New Lines constructed (km)	300	1. Greater access to unconnected routes especially LWE districts, Strategically important districts, Tribal areas, etc	1.1. Number of Locations connected to Railways due to NL construction (assuming standard last mile distance)	19[2]
		1.2. Total length of Gauge Conversion (km) works	500			
		1.3. Total length of Line Doubling (km) completed	1,700	2. Greater safety and throughput as well as more freight services on congested routes	2.1 Increase in passenger throughput (PKM) (%)	88
					2.2 Increase in freight throughput (NTKM) (%)	5.4

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[1] *The detailed bifurcation of the outlay(Rs in cr) is - 1.New Lines (Construction) (CS) - Rs. 25,243 ; 2.Gauge Conversion (CS) - Rs. 2,850; 3. Line Doubling (CS) - Rs. 12,108.08*

[2] *New Lines to be commissioned: Rohtak -Meham-Hansi, Deedwana-Piplai, Sidhwar-Shanki, Rail Cum Road bridge on river Ganga between Ghazipur-Tarighat, Vangaichungpao-Khongsang, Gajwel-Kodakandla , Kodakandla-Siddipet, Maganur-Makthal and Krishna-Maganur, Akkanpet-Medak.*

4. Signaling & Telecom (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2022-23				OUTCOMES 2022-23		
2022-23	**Output**		**Indicators**	**Target 2022-23**	**Outcome**	**Indicators**	**Target 2022-23**
2,500.00	1.	Signaling Replacement Works	1.1 No. of stations where Modern Signaling works undertaken/completed	375	1. Increased safety at stations where Signaling Replacement works are done	1.1. Number of unsafe working incidents arising out of signal failures	0[3]
	2.	Interlocking of Level Crossing gates	2.1 No. of LC gates where interlocking works undertaken/completed	190	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	

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[3] *Railway has zero tolerance for accidents and unsafe working. Hence, target for the same is kept zero*

5. Track Renewals (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	**Output**	**Indicator(s)**	**Target 2022-23**	**Outcome**	**Indicator(s)**	**Target 2022-23**
13,335.47	1. Greater length of tracks renewed	1.1 Total length of tracks renewed (km)	3,700	1. Reduced pipeline of track renewal works	1.1 Time to complete pending track renewal works	Completing all sanctioned track renewal works within 2 to 3 years

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

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	**Output**	**Indicators**	**Target 2022-23**	**Outcome**	**Indicators**	**Target 2022-23**
7,500[4]	1. ROB construction	1.1 No. of ROB/RUBs constructed	1,200	1. Increased Safety	1.1 Number of accidents on LCs	Railway has zero tolerance for accidents and unsafe working. Hence, target for
		1.2 Number of Manned LCs removed	1,100			

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[4] *The detailed bifurcation of the outlay(Rs in cr) is – 1. Road Safety Works -Level Crossings (CS) - Rs. 1,000 ; 7. Road Safety Works - Road over/Under bridges (CS) -Rs 6,500*

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	**Output**	**Indicators**	**Target 2022-23**	**Outcome**	**Indicators**	**Target 2022-23**
						the same is kept zero

8. Rolling Stock (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	**Output**	**Indicators**	**Target 2022-23**	**Outcome**	**Indicators**	**Target 2022-23**
7977.84	1. Acquisition of rolling stock of each type	1.1 No. of Electric Locomotives operationalized	685	1. Greater throughput in freight and passenger services	1.1. Increase in Passenger throughput (PKM) (%)	88
		1.2 No. of LHB coaches operationalized	5,489		1.2. Increase in freight throughput (NTKM) (%)	5.4
		1.3 No. of track machines operationalized	150			

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

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	**Output**	**Indicators**	**Target 2022-23**	**Outcome**	**Indicators**	**Target 2022-23**
2,045	1. Greater coverage of the works	1.1 No. of works[5] commissioned	75	1. Greater passenger and freight throughput along routes where yard remodeled	1.1. Increase in passenger throughput (PKM) (%)	88
					1.2. Increase in freight throughput (NTKM) (%)	5.4

10. Workshop including Production Units (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	**Output**	**Indicators**	**Target 2022-23**	**Outcome**	**Indicators**	**Target 2022-23**
2,045	1. Expedited commissioning of projects	1.1. No. of Projects commissioned	85	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%

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[5] *These are the number of works/projects to be commissioned under Traffic Facility Plan Head/Scheme. Works like development and upgradation of passenger/freight terminals, yard remodeling etc are sanctioned under this Plan Head*

11. Machinery & Plant (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	Output	Indicators	Target 2022-23	Outcome	Indicators	Target 2022-23
600	1. Replacement of new machinery and plant installations	1.1. Total value of machinery and plant on replacement basis (Cr.)	225	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.)	325		1.2. Overdue maintenance rolling stock in service. (%)	0%

12. Passenger Amenities (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	Output	Indicators	Target 2022-23	Outcome	Indicators	Target 2022-23
2,700	1. Building better passenger amenities	1.1. Number of stations upgraded	30	1. Greater passenger satisfaction Index	1.1. Passenger satisfaction index	85%
		1.2. Number of foot-over bridges constructed	150			

13. Metropolitan Transportation Projects (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	Output	Indicators	Target 2022-23	Outcome	Indicators	Target 2022-23
2,000	1. Greater access of sub-urban rail	1.1. Length of metropolitan new lines works commissioned (km)	9.5	1. Increased passenger throughput due to these projects	1.1 Total suburban PKMs achieved	1,57,435

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

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	Output	Indicator(s)	Target 2022-23	Outcome	Indicator(s)	Target 2022-23
940	1. Increased speed of Bridge works	1.1. No. of bridge works undertaken/completed	1,200	1. Improved average speeds	1.1. Number of speed restrictions removed annually	It is targeted that speed restrictions on Bridge account are kept below 50 nos

15. Electrification Projects (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	**Output**	**Indicator(s)**	**Target 2022-23**	**Outcome**	**Indicator(s)**	**Target 2022-23**
7,700[6]	1. Electrification of Railway Network	1.1 Additional commissioning of rail routes on electric traction (Km.)	6,500	1. Reduction in dependence on imported fuel i.e. Diesel oil	1.1 Percentage change in diesel oil consumption for traction purposes in Indian Railways (%)	20

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[6] *This is as per EBR (Extra Budgetary Resources)*