

भारत सरकार / GOVERNMENT OF INDIA
रेल मंत्रालय / MINISTRY OF RAILWAYS
(रेलवे बोर्ड / RAILWAY BOARD)

2020/W-I/Genl./Vision 2024 (E-off- 3334078)

New Delhi, dated: 28.12.2020

**The General Managers,
All Indian Railways.**

Sub.: Vision 2024 document


Ref.:- Railway Board's letter of even no. dated 03.11.2020

Vision 2024 document for achieving 2024 MT loading by year 2024 was shared with all Zonal Railways vide Board's letter of even no. dated 03.11.2020. The capacity enhancement projects were identified and prioritised to be completed by March'2024.

Vision 2024 was discussed by Railway Board on 04.12.2020 with General Managers and PHoDs of all Zonal Railways soliciting suggestions on the Vision 2024 document. After examination, modifications i.e. inclusion / exclusion, as found justified have been carried out.

Vision 2024 document covers list of the identified priority projects indicating targets and the likely allocation of funds is enclosed herewith for necessary planning and execution by Zonal Railway.

This issues with the concurrence of the Finance Directorate of the Ministry of Railways and approval of Board (Member Infra, Member O&BD, Member Finance and CRB&CEO)

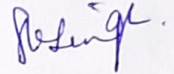

(Mohit Kumar) 28/12/20

**Director/Works-I
Railway Board.**

2020/W-I/Genl./Vision 2024 (E-off- 3334078)

New Delhi, dated: 28.12.2020

Copy to PFAs, All Zonal Railways



For Member Finance

Copy for information and necessary action:

**Chief Administrative Officer (Const.)
All Indian Railways
Chairman-cum-Managing Directors,
IRCON, RITES & RVNL**

INDIAN RAILWAYS VISION 2024

INFRASTRUCTURE DEVELOPMENT



PREFACE

Vision 2024 – Plan needed for achieving 2024 MT loading in 2024.

On India's independence, the Indian Railways and its vast network was the main source of transportation and the back bone of economic development along with social reform. However, post-independence the growth in other modes especially the road sector, has led to the gradual erosion of Railways dominant position. Today the Indian Railways carries only 27-28% of the freight traffic and 20% of passenger traffic loosing even intercity travel to emergence of other modes such as domestic civil aviation.

With “sustainability” having become an internationally acceptable norm for development, focus on reducing emission levels along with promoting more efficient modes of transport has been increasing. It is with this back drop that increasing Railways modal share in transportation has become one of the major concerns of national infrastructural planning. The NITI Aayog has envisaged a modal share of 45% for the Railways by 2030.

To achieve a modal share of 45% of total transportation, the biggest challenge before the Indian railways is overcoming the capacity constraint. Realising that this needs to be addressed at the earliest the Government of India has substantially increased the annual capital expenditure on Railway capacity expansion. Presently, at Rs 1 lakh 60 thousand crs, it is nearly four times the level in 2014. This is to spend nearly Rs.50 lakh crs by 2030 in increasing and improving Railway infrastructure.

In order to identify the projects and chalk a road map for investment, the Indian Railways has prepared a National Rail Plan. The National Rail Plan aims to create capacity by 2030 that would be ahead of demand so that not only the periodical demand peaks but also the year on year growth in traffic demand can be accommodated with minimum capital investment in future. The entire capacity ahead of demand would also contribute to increasing efficiency and profitability of the Railway system. In effect the National Rail Plan envisages in creating capacity by 2030 that will be able to sustain a 45% modal share for the Railways right up to 2050.

Since the Railways is chasing both capacity and an increase in modal share of 45% by 2030 as per the National Rail Plan, it has become imperative that the year on year infrastructural planning of the Railways is such that not only the capacity, but also the volume of traffic needs to ‘leap frog’ so that the targets of capacity and modal share are met by 2030. Considering that demand follows capacity and the growth slope cannot be too steep if all projects are left to be completed by 2030, it has been decided to divide the capacity leap into two leaps – first leap by

2024 and the second leap by 2030. It is in this context that the “**Vision 2024/2024**” has been prepared, identifying the capacity enhancement projects that need to be completed and the volume of traffic **2024 MT** that needs to be targeted by the **Year 2024**.

The Vision 2024/2024 is a sub set of the National Rail Plan, but since it is also the first leap forward it is most critical as its success or failure will impact the targets of 2030 and beyond.

The initial document was shared and views of Zonal Railways were taken. After examination, modifications i.e. inclusion / exclusion, as found justified have been carried out.

Along with the focus on completing ongoing multi tracking and GC works, continuity of other works should not be lost sight of. There are certain long lead traffic facility and new line works where land acquisition and forest clearance will have to be pursued without any let up. Many other works which may start within next few years are indicated as works in the pipeline leading to introduction of Vision 2025-2030. This is in line with the NRP which is the blueprint for sufficiency of rail transport till 2050.

As brought out earlier in the above referred document, it would be a challenge to arrange funds for these works during next four years. The resource allocation will largely be met by market borrowings through IRFC which will lead to huge debt service liability in future. That is why the timely and even early completion of projects is necessary. The exercise of prioritizing the works has been done to prioritize the resource allocation. Execution of these identified priority projects need to be planned meticulously. As already decided, the contract should be on EPC mode and for new sanctioned works, the planning should be made based upon the completion cost. Since most of the funding is to be arranged through EBR IF, the work should be taken up only when all the approvals are in place, site is available and planning has been done, as liability starts accruing immediately.

General Managers are requested to personally monitor the increase in loading and revenue as a result of completion of these works as and when works are completed. GMs should report the progress of works included in the document through monthly MCDO.

The document covers list of the projects indicating targets and likely allocation of funds. Comprehensive planning for projects including identification and mitigation of anticipated bottle necks should be done immediately to avoid time and cost over runs and to reap the benefits of assured funding which comes at substantial financing cost.

Please note that all these efforts are mean to achieve the objective of 2024 MT loading by the year 2024, for which annual target should be fixed by Zonal Railways. This issues with the approval of full Board.

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**OVERVIEW OF NEW LINE, GAUGE CONVERSION & DOUBLING PROJECTS
ON INDIAN RAILWAY**

S.No.	Plan Head	No of Projects	Total Length	Length Commissioned up to Mar'20 (Km)	Balance length As on 01.04.20 (Km)	Anticipated Cost (Cr.)	Total Expenditure upto Mar'20 (Cr.)	Throw Forward As on 01.04.20 (Cr)
1	New lines	189	21,343	2,633	18,710	4,04,853	94,575	3,10,278
2	Gauge conversion	54	7,003	3,733	3,270	59,699	23,405	36,294
3	Doubling	270	24,693	3,647	21,046	2,85,324	67,816	2,17,508
	Total	513	53,039	10,013	43,026	7,49,876	1,85,796	5,64,080

PLANNING OF COMMISSIONING

S.No.	Category of Project	Commissioning (Km)				
		FY 20-21	FY 21-22	FY 22-23	FY 23-24	Total
1	Super Critical (Km)	914	557			1471
2	Critical					
2a	Critical DL (Km)	1404	1909	1900	817	6030
2b	Critical GC (Km)	32	13			45
2	Total Critical (Km)	1436	1922	1900	817	6075
3	Additional Coal Projects					
3a	Doubling (Km)	142	263	402	319	1125
3b	New Line (Km)	70	136	129	23	358
3c	Gauge Conversion (Km)	24				24
3	Total of Additional Coal Projects (Km)	235	399	531	342	1507
4	Total Additional Capacity Enhancement Projects on HDN HUN (Km)	299	803	745	793	2640
5	Essential Doubling Projects	112	181	433	435	1161
6	National Project (Km)	16	44	227	74	361
7	Essential NL Projects	137	144	118	120	519
8	Gauge Conversion (Km)	722	661	116	126	1625
9	Total DL (Km)	2870	3713	3480	2364	12427
10	Total NL (Km)	223	324	474	217	1238
11	Total GC (Km)	722	661	116	126	1625
12	Traffic Facilities Works (Nos)	32	49	20	14	115
13	Railway Electrification Works (RKM)	6000	6000	6500	5265	23765

Signalling ACTION PLAN & FUND REQUIREMENT (2021-24)

No.	Initiatives	Milestones							Total (2021-24)
		Action Plan (specific)	Unit	Qty	2020-21	2021-22	2022-23	2023-24	
1	Signalling Provisions for 160 Kmph on HDN1 &3	Provision of TCAS, LTE, CTC on 2871 RKM and Automatic Signalling on balance 1681 RKM	Route Km	2871	0	574	1005	1292	2871
2	Provision of TCAS with LTE on Freight Dense HDN Routes	TCAS with LTE will be provided on 4274 RKms on Freight Route of HDN Network 2,4 & 6	Route Km	4274	0	854	1496	1924	4274
3	Provision of Automatic Signalling on Freight Dense HDN Routes	Automatic Signalling will be provided on 3674 RKms on Freight Route of HDN Network 2,4 & 6	Route Km	3674	0	735	1286	1653	3674
4	Provision of CTC on Freight Dense HDN Routes	CTC will be provided on 4274 RKms on HDN Network 2,4 & 6	Route Km	4274	0	854	1496	1924	4274
5	Provision of TCAS with LTE on Freight Dense HUN Routes	(HUN2,3,&7-7477 RKM)	Route Km	7477	0	1495	2617	3365	7477
6	Provision of ABS on Freight Dense HUN Routes	(HUN2,3,&7-7477 RKM)	Route Km	7477	0	1495	2617	3365	7477
7	Replacement of Overaged Signalling gears in Block sections	300 Route Km Signalling will be replaced	Route Km	300	75	75	75	75	300
8	Elimination of Electro-Mechanical Signalling	294 Station on IR BG network will be provided with EI	Stns	294	115	179			294
9	Replacement of Overaged Signalling gears at stations by Electrical/Electronic Interlocking	480 Stations & 300 Route Km Signalling will be replaced	Stns	480	120	120	120	120	480
10	Signalling Provisions for 130 Kmph on Balance Section on GQ/GD routes	Provision of 2nd distant signals at 334 Locations	locations	334	200	134			334
11	Interlocking of LC gates	1000 Nos of manned level crossings to be interlocked whose TVU>20000 with electric lifting barrier, Sliding boom, RTU networking etc	locations	1000	250	250	250	250	1000
12	Other Misc Works: elimination of token instrument, Track circuiting on balance A/B/C/D/Dspl/E route, Hot standby, Dual detection, Earthing, Power Supply strengthening etc. Note - To achieve near 100% reliable and zero failure on existing Signalling network	As per requirement of safety and Reliability of existing train operation	LS			Zonal Requirement	Zonal Requirement	Zonal Requirement	Zonal Requirement

TARGETS AND FUNDS REQUIREMENT FOR 2020-24 FOR THE PROJECTS TARGETTED TO BE COMMISSIONED BY MAR'24

SN	Plan Head	20-21			21-22		22-23		23-24		Grand Total 20-24		Total Fund Requirement (Addl. fund for 20-21 and for FY 21-24)
		Target (Km)	Outlay (Cr.)	Addl fund for 20-21	Target (Km)	Requirement of Fund (Cr.)	Target (Km)	Requirement of Fund (Cr.)	Target (Km)	Requirement of Fund (Cr.)	Target (Km)	Requirement of Fund (Cr.)	
1	New Line (NL)	223	7657	1568	324	18704	474	18806	217	16196	1238	62931	55274
2	Gauge Conversion	722	2475	1275	661	2831	122	1165	120	734	1625	8480	6005
3	Sub total (NL + GC)	945	10132	2843	985	21535	596	19971	337	16930	2863	71411	61279
4	Doubling (DL)	2870	21025	8428	3713	32381	3480	30430	2364	20554	12427	112818	91793
5	Total (NL+GC+DL)	3815	31157	11271	4698	53916	4076	50401	2701	37484	15290	184229	153072
6	Railway Electrification	6000	6616	6616	6000	7573	6000	5532	5265	3282	23265	29619	23003
7	S&T (Signalling Replacement & reliability improvement works) (RRSK)	335 Stn, 250 LC & other works	1167	586	320 Stn, 250 LC, 900 Km TCAS & other works	2710	200 Stn, 250 LC, 300 Km TCAS, 150 ABS & other works	2419	120 Stn, 250 LC, 150 Km ABS & other works	1895	975 Stn., 1000 LC, 1200 TCAS, 300 ABS & other work	8777	7610
8	S&T (TCAS, LTE, ABS, CTC on HDN & Freight Dense HUN Routes)(EBR-IF)				1428	4048	2501	4048	3216	4047	7145	12143	12143
9	Traffic Facility	32	713	742	49	2558	20	2105	14	1175	115	7293	6580
10	Raising of speed to 160 kmph		20	1349		4047		5396		2698		13510	13490
11	Elimination Of LC on GQ-GD route	360	1250	1200	650	6500	750	9500	350	12500	2110	30950	29700
	Capital (1+2+7)		11299	3429		24245		22390		18825		80188	68889
	EBR-IF (4+6+8+9+10+)		29624	18335		57107		57011		44256		206333	176709
	Total		40923	21764		81352		79401		63081		286521	245598

TARGETS AND FUNDS REQUIREMENT DURING 2020-24 FOR NEW LINE, GAUGE CONVERSION AND DOUBLING PROJECTS PLANNED TO BE COMMISSIONED DURING 2025-30

SN	Plan Head	20-21		21-22		22-23		23-24		Total		Fund Requirement for 21-24 (Cr)
		Target (Km)	Outlay (Cr.)	Target (Km)	Requirement of Fund (Cr.)	Target (Km)	Requirement of Fund (Cr.)	Target (Km)	Requirement of Fund (Cr.)	Target (Km)	Requirement of Fund (Cr.)	
1	New Line (NL)	58	1991	284	5778	200	7828	200	7933	742	23530	21539
2	Gauge Conversion	35	532	55	1135	66	1532	143	1243	299	4442	3910
3	Sub total (NL + GC)	93	2523	339	6913	266	9360	343	9176	1041	27972	25449
4	Doubling (DL)	14	353	81	2938	213	4375	259	3962	567	11628	11275
5	Total (NL+GC+DL)	107	2876	420	9851	479	13735	602	13138	1608	39600	36724
	Capital		2523		6913		9360		9176		27972	25449
	EBR-IF		353		2938		4375		3962		11628	11275

THROUGHPUT ENHANCEMENT SUPER CRITICAL PROJECTS																Super Critical
S.No.	Railway	Executing Agency	Plan Head	Name of Project	DL/ 3rd / 4th Line / Fly Over / Bye Pass	Project Falling in State (s)	Year of inclusion in Budget / Sanction	Importance of Project	Route	Length of Main Project (Km)	Length of Commissioned upto Mar 20. (Km)	Balance Length as on 01.04.20 (Km)	Anticipated Cost (Cr.)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Target date of completion
1	CR	RVNL	DL	Daund-Gulbarga Doubling .	DL	Karnataka & Maharashtra	2009-10		HDN	225	143	82	2725	2249	476	Mar-21
2	CR SECR	CR & SECR	DL	Godhani-Kalumna Chord	Bye pass	Maharashtra	2010-11		HDN	14	6	8	122	104	18	Dec-20
3	CR	CR	DL	Bhusawal-Jalgaon 3rd line	3rd Line	Maharashtra	2011-12		HDN	24	13	12	325	303	22	Jan.21
4	CR	CR	DL	3rd line between Teegaon and Chichonda Ghat section	3rd Line	Madhya Pradesh	2015-16		HDN	17	0	17	176	129	47	Dec.20
5	ECoR	RVNL	DL	Khurda Road-Barang	3rd Line	Odisha	2003-04	Coal	HDN	32	26	7	433	391	42	Jun.21
6	ECoR	RVNL	DL	Sambalpur-Titlagarh	DL	Odisha	2006-07	Coal & Port	HUN	182	106	76	2009	1526	483	Dec-21
7	ECoR SECR	RVNL	DL	Raipur-Titlagarh.	DL	Chhatisgarh & Odisha	2007-08	Coal & Port	HUN	203	119	84	1889	1152	737	Dec-21
8	ECoR	RVNL	DL	Banspani-Daitari-Tomka-Jakhapura	DL	Odisha	2009-10	Port	HUN	164	108	56	1552	1055	497	Dec-21
9	ECoR	ECoR	DL	Sambalpur-Talcher	DL	Odisha	2010-11	Coal & Port	HUN	168	62	106	1539	1010	530	Dec-21
10	ECoR	ECoR	DL	Khurda Rd. Vizianagram (Angul-Haripurgram) By Pass	Bye pass	Odisha	2015-16		HDN	3	0	3	46	16	30	Dec-21
11	ECR	ECR	DL	Katareah-Kursela Patch Doubling incl. bridge on river Kosi	DL	Bihar	2012-13		HDN	7	0	7	190.22	178.8	11	Jun-21
12	ECR	ECR	DL	Hajipur-Ramdayalu Nagar	DL	Bihar	2013-14		HUN	48	48	0	497	442	55	Commissioned in 2019-20
13	ECR	IRCON	DL	Hajipur-Bachwara	DL	Bihar	2015-16		HDN	72	33	39	930	565	365	May-21
14	ECR	ECR	DL	Renukut- Chopan (Billi-Chopan)	DL	Uttar Pradesh	2015-16		HUN	8	8	0	160	139	21	Commissioned in 2019-20
15	ER	ER	DL	Pandabeswar-Chinpai	DL	West Bengal	2004-05		HUN	21	21	0	190	154	36	Commissioned in 2019-20
16	ER	ER	DL	Dankuni-Chandanpur-4th line .	4th Line	West Bengal	2010-11		HDN	25	0	25	450	313	137	Dec-21
17	ER	ER	DL	Bandel-Boinchi - 3rd line.	3rd Line	West Bengal	2011-12		Others	31	15	16	550	366	184	Mar-21
18	ER	ER	DL	Boinchi-Shaktigarh 3rd line .	3rd Line	West Bengal	2011-12		Others	26	19	7	400	265	135	Dec-21

THROUGHPUT ENHANCEMENT SUPER CRITICAL PROJECTS															Super Critical	
S.No.	Railway	Executing Agency	Plan Head	Name of Project	DL/ 3rd / 4th Line / Fly Over / Bye Pass	Project Falling in State (s)	Year of inclusion in Budget / Sanction	Importance of Project	Route	Length of Main Project (Km)	Length of Commissioned upto Mar 20. (Km)	Balance Length as on 01.04.20 (Km)	Anticipated Cost (Cr.)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr.)	Target date of completion
19	ER	ER	DL	Pirpainti-Bhagalpur	DL	Bihar	2011-12		HUN	51	51	0	572	502	70	Commissioned in 2019-20
20	ER	ER	DL	Monigram-Nimtita .	DL	West Bengal	2012-13		HUN	34	21	13	455	293	162	Mar-22
21	NCR	RVNL	DL	Bhimsen-Jhansi	DL	Uttar Pradesh	2012-13		HUN	206	87	119	2204	1267	937	Dec-21
22	NCR	NCR	DL	Mathura-Palwal 4 th line	4th Line	Haryana & Uttar Pradesh	2015-16		HDN	80	30	50	669	423	246	Jun-21
23	NER	NER	DL	Ghazipur-Aunrihar	DL	Uttar Pradesh	2014-15		HUN	40	0	40	346	223	123	Mar-21
24	NFR	NFR	DL	Ambari Falakata-New Maynaguri .	DL	West Bengal	2011-12		HDN	38	32	6	871	772	99	Jan-21
25	NFR	NFR	DL	Lumding-Hojai Patch Doubling .	DL	Assam	2012-13		HUN	45	45	0	778	674	104	Commissioned in 2019-20
26	NR	NR	DL	Jalandhar-Pathankot-Jammu Tawi .	DL	Punjab & J&K	1997-98		Others	209	204	5	851	834	17	Jun-21
27	NR	RVNL	DL	New Delhi-Tilak Bridge 5th and 6th line .	5th & 6th Line	Delhi	1998-99		HDN	7	7	0	153	123	31	Commissioned in 2019-20
28	NR	NR	DL	Tughlakabad (Joint Cabin) - Palwal 4th line .	4th Line	Delhi & Haryana	2006-07		HDN	35	35	0	390	358	32	Commissioned in 2019-20
29	NR	NR	DL	Phaphamau-Allahabad	DL	Uttar Pradesh	2009-10		HUN	14	6	8	191	186	5	Commissioned in 2020-21
30	NR	NR	DL	Kathua-Madhampur Punjab - doubling across Ravi Bridge	DL	Punjab	2010-11		Others	3	0	3	111	76	35	Jun-21
31	NR	RVNL	DL	Utretia-Raibareilly	DL	Uttar Pradesh	2011-12		HUN	66	45	21	575	506	69	Mar-21
32	NR	RVNL	DL	Raibareilly-Amethi	DL	Uttar Pradesh	2013-14		HUN	60	15	45	654	387	267	Mar-21
33	NWR	RVNL	DL	Abu Road-Sarotra Road Patch doubling .	DL	Gujarat & Rajasthan	2010-11		HUN	23	23	0	150	135	15	Commissioned in 2019-20
34	NWR	NWR	DL	Ajmer-Bangurgram.	DL	Rajasthan	2011-12		HUN	48	40	8	375	296	79	Mar-21
35	NWR	NWR	DL	Alwar-Bandikui .	DL	Rajasthan	2013-14		HUN	60	60	0	475	416	59	Commissioned in 2019-20

THROUGHPUT ENHANCEMENT SUPER CRITICAL PROJECTS																Super Critical
S.No.	Railway	Executing Agency	Plan Head	Name of Project	DL/ 3rd / 4th Line / Fly Over / Bye Pass	Project Falling in State (s)	Year of inclusion in Budget / Sanction	Importance of Project	Route	Length of Main Project (Km)	Length of Commissioned upto Mar 20. (Km)	Balance Length as on 01.04.20 (Km)	Anticipated Cost (Cr.)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr.)	Target date of completion
36	SCR	RVNL	DL	Vijaywada-Gudivada-Bhimavaram-Narsapur, Gudivada-Machlipatnam & Bhimavaram-Nidadavolu DL .	DL	Andhra Pradesh	2011-12		HUN	221	57	164	3377	2153	1224	Jul-21
37	SCR	SCR	DL	Mudkhed-Parbhani	DL	Maharashtra	2011-12		HUN	84	84	0	672	470	202	Commissioned in 2019-20
38	SCR	SCR	DL	Kaluru-Guntakal	DL	Andhra Pradesh	2015-16		Others	43	43	0	385	301	84	Commissioned in 2019-20
39	SECR	SECR & RVNL	DL	Khodri-Anuppur with flyover at Bilaspur	DL & fly Over	Chhatisgarh & Madhya Pradesh	2006-07	Coal	HUN	72	62	10	946	625	321	Feb-22
40	SECR	SECR	DL	Champa-Jharsuguda 3rd line	3rd Line	Chhatisgarh & Odisha	2008-09	Coal	HDN	152	139	14	1227	1089	137	Commissioned in Oct-20
41	SER	SER	DL	Manoharpur-Bondamanda 3rd line	3rd Line	Jharkhand & Odisha	2012-13		HDN	30	26	4	359	282	76	Jun-21
42	SER	SER	DL	Rajkharwan-Chakradharpur 3rd line	3rd Line	Jharkhand	2012-13		HDN	20	18	2	208	187	21	Commissioned in 2020-21
43	SER	SER	DL	Kharagpur-Narayangarh 3rd line.	3rd Line	West Bengal	2012-13		HDN	24	20	4	270	188	82	Jun-21
44	SER	SER	DL	Andul-Baltikuri .	DL	West Bengal	2012-13		Others	7	7	0	93	79	13	Commissioned in 2019-20
45	SER	SER	DL	Chakardharpur-Goilkeria 3rd line	3rd Line	Jharkhand	2015-16		HDN	34	13	21	383	272	111	Commissioned in 2020-21
46	SER	SER	DL	Mohishila - Kalipahari (Link)	DL	West Bengal	2015-16		Others	3	3	0	43	37	6	Commissioned in 2019-20
47	SR	SR	DL	Chennai Beach-Attipattu 4th line.	4th Line	Tamilnadu	2003-04	Port	HDN	22	20	2	293	217	76	Commissioned in Nov 20
48	SR	SR	DL	Chengalpattu-Villupuram	DL	Tamilnadu	2006-07		HUN	103	103	0	1121	798	323	Commissioned
49	SR	SR	DL	Kankanadi-Panambur	DL	Karnataka	2006-07	Port	HUN	19	14	5	350	225	125	May-21
50	SR	SR	DL	Kurruppanthara-Chingavanam .	DL	Kerala	2007-08		HUN	27	8	19	749	408	341	Dec-21
51	SR	SR	DL	Ambalapuzha-Haripad .	DL	Kerala	2007-08		HUN	18	18	0	346	292	54	Feb-21

THROUGHPUT ENHANCEMENT SUPER CRITICAL PROJECTS																Super Critical
S.No.	Railway	Executing Agency	Plan Head	Name of Project	DL/ 3rd / 4th Line / Fly Over / Bye Pass	Project Falling in State (s)	Year of inclusion in Budget / Sanction	Importance of Project	Route	Length of Main Project (Km)	Length of Commissioned upto Mar 20. (Km)	Balance Length as on 01.04.20 (Km)	Anticipated Cost (Cr.)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Target date of completion
52	SR	SR	DL	Omalar-Metturdam Patch Doubling .	DL	Tamilnadu	2011-12	Coal	Others	29	0	29	332	196	136	Jan-21
53	WCR	RVNL	DL	Bina-Kota .	DL	Rajasthan & Madhya Pradesh	2011-12	Coal	HUN	283	96	187	1836	1271	565	Dec-21
54	WCR	RVNL	DL	Barkhera-Habibganj 3rd line.	3rd Line	Madhya Pradesh	2012-13		HDN	41.42	0	41	440	381	59	Mar-21
55	WCR	RVNL	DL	Itarsi-Bhudni 3rd line .	3rd Line	Madhya Pradesh	2012-13		HDN	25	25	0	400	337	63	Commissioned in 2019-20
56	WCR	WCR	DL	Powerkheda-Jujharpur-Single line flyover in UP direction	Fly Over	Madhya Pradesh	2016-17	Coal	HUN	16	0	16	373	163	210	Dec-21
57	WR	WR	DL	Viramgam-Samakhiali	DL	Gujarat	2011-12		HUN	182	97	85	1389	1045	344	Dec-21
58	WR	WR	DL	Vatva-Ahmedabad-3rd line with Automatic Signalling	3rd Line	Gujarat	2013-14		HUN	8	0	8	68	48	20	Commissioned in Nov 20
Total					58 nos.					3750	2279	1471	39663	28891	10773	

THROUGHPUT ENHANCEMENT CRITICAL PROJECTS														Critical
S.No	Railway	Executing Agency	Plan Head	Name of Project	DL/ 3rd Line/ 4th Line/ Fly Over / Bye Pass	Project Falling in State (s)	Route	Length of Main Project (Km)	Length Commissioned upto Mar 20 (Km)	Balance Length as on 01.04.20 (Km)	Anticipated Cost (Cr.)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Target date of Completion
1	CR	CR	DL	Wardha(Sewagram)-Nagpur 3rd line	3rd Line	Maharashtra	HDN	76	19	57	540	284	256	Mar-24
2	CR	CR	DL	Wardha-Ballarshah 3 rd line	3rd Line	Maharashtra	HDN	132	13	119	1272	370	902	Mar-24
3	CR, SWR	CR, SWR	DL	Pune-Miraj-Londa	Doubling	Karnataka & Maharashtra	HUN	466	53	413	4053	1295	2758	Mar-23
4	CR	CR	DL	Manmad Jalgaon 3rd line	3rd Line	Maharashtra	HDN	160	0	160	1035	185	850	Mar-24
5	CR	CR	DL	Wardha-Nagpur 4th line	4th Line	Maharashtra	HDN	79	0	79	638	131	507	Mar-24
6	CR	CR	DL	4th line between Jalgaon- Bhusawal	4th Line	Maharashtra	HDN	24	0	24	261	118	143	Mar-23
7	ECoR	ECoR	DL	Bhadrak-Nergundi 3rd line	3rd Line	Odisha	HDN	92	4	88	843	160	683	Mar-24
8	ECoR	RVNL	DL	Vizianagram-Titlagarh (Sambalpur) 3rd line	3rd Line	Andhra Pradesh & Odisha	HUN	265	16	248	3328	794	2534	Mar-24
9	ECoR	ECoR	DL	Jarapaada- Budhapank 3rd & 4th line with flyover at Talcher.	3rd & 4th Line	Odisha	HUN	101	0	101	810	150	660	Mar-24
10	ECoR	ECoR	DL	Budhapank- Salegaon via Rajatgarh 3rd & 4th line	3rd & 4th Line	Odisha	HUN	170	0	170	1173	564	609	Mar-24
11	ECoR	ECoR	DL	Jagdapur-Koraput	Doubling	Chhatisgarh & Odisha	HUN	110	44	67	1547	469	1079	Mar-23
12	ECR	ECR	DL	Jarangdih-Danea Patch Doubling	Doubling	Jharkhand	HUN	29	7	22	332	324	8	Mar-22
13	ECR	ECR	DL	Danea-Ranchi Road	Doubling	Jharkhand	HUN	25	11	14	324	224	100	Commissioned in June 20
14	ECR	ECR	DL	Garhwa Road-Ramna	Doubling	Jharkhand	HUN	32	12	20	348	227	122	Mar-22
15	ECR	ECR	DL	Ramna-Singrauli	Doubling	Jharkhand, Madhya Pradesh & Uttar Pradesh	HUN	160	7	153	2436	721	1716	Mar-24

THROUGHPUT ENHANCEMENT CRITICAL PROJECTS														Critical
S.No	Railway	Executing Agency	Plan Head	Name of Project	DL/ 3rd Line/ 4th Line/ Fly Over / Bye Pass	Project Falling in State (s)	Route	Length of Main Project (Km)	Length Commissioned upto Mar 20 (Km)	Balance Length as on 01.04.20 (Km)	Anticipated Cost (Cr.)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Target date of Completion
16	ECR	RVNL	DL	3rd line bet. Dhanbad-Sonnagar	3rd Line	Bihar & Jharkhand	HUN	291	0	291	3406	405	3001	Dec-23
17	ECR	ECR	DL	Karaila Road- Shaktinagar	Doubling	Madhya Pradesh & Uttar Pradesh	HUN	32	0	32	529	135	394	Mar-23
18	ECR	ECR	DL	Ranchi Road- Patratu	Doubling	Jharkhand	HUN	31	8	23	348	128	220	Mar-24
19	ECR	ECR	DL	Karota Patner - Mankatha Surface triangle	By Pass	Bihar	HUN	8	0	8	129	29	100	Mar-22
20	ECR	ECR	DL	Garhwa Road ROR	Fly Over	Jharkhand	HUN	7	0	7	263	55	207	Mar-22
21	ECR	ECR	DL	Gomoh- Flyover for DN trains	Fly Over	Jharkhand	HDN	22	0	22	488	0	487	Dec-23
22	ECR	ECR	DL	Darbhanga bypass line connecting Shisho Halt and Kakarghati excluding Darbhanga Yard	By Pass	Bihar	HUN	8	0	8	253	0	253	May-22
23	ER	ER	DL	Liluah-Dankuni 3rd line	3rd Line	West Bengal	HDN	6	6	0	105	105	0	Commissioned
24	ER	ER	DL	Sagardighi- Malda Town (Nimtita - New Farakka)	Doubling	West Bengal	HUN	25	10	16	248	102	146	Jun-21
25	NCR	RVNL	DL	Mathura-Jhansi 3rd line	3rd Line	Madhya Pradesh, Rajasthan & Uttar Pradesh	HDN	274	0	274	3678	989	2689	Dec-23
26	NCR	NCR	DL	Lalitpur-Birari with flyover at Lalitpur	Fly Over	Uttar Pradesh	HDN	16	0	16	304	0	304	Mar-23
27	NCR	NCR	DL	Bhaupur-Panki - 4th line Connecting Dn Loop of Bhaupur to Shunting neck of Panki	4th Line	Uttar Pradesh	HDN	11	0	11	97	13	84	Jun-21
28	NCR	NCR	DL	Naini - Chheeki- 3rd Down line with additional Platform.	3rd Line	Uttar Pradesh	HDN	2	0	2	25	13	12	Mar-21

THROUGHPUT ENHANCEMENT CRITICAL PROJECTS														Critical
S.No	Railway	Executing Agency	Plan Head	Name of Project	DL/ 3rd Line/ 4th Line/ Fly Over / Bye Pass	Project Falling in State (s)	Route	Length of Main Project (Km)	Length Commissioned upto Mar 20 (Km)	Balance Length as on 01.04.20 (Km)	Anticipated Cost (Cr.)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Target date of Completion
29	NCR	NCR	DL	Kanpur-New Coaching Complex - Kanpur	By Pass	Uttar Pradesh	HDN	3	0	3	34	0	34	Oct-23
30	NCR	NCR	DL	Ruma Chakeri- Chandari - 3rd line	3rd Line	Uttar Pradesh	HDN	13	0	13	182	2	180	Mar-23
31	NCR	NCR	DL	Chipiyana Buzurg - Dadri 4th line	4th Line	Uttar Pradesh	HDN	12	0	12	164	0	164	Mar-23
32	NCR	NCR	DL	Dailwara - Berari - Chord Line (5.2 km)	By Pass	Uttar Pradesh	HDN	5	0	5	50	0	50	Mar-23
33	NR, NER	NR, NER	DL	Rosa-Sitapur Cantt-Burhwal	Doubling	Uttar Pradesh	HDN	181	0	181	1538	518	1020	2021-22
34	NER	RVNL	DL	Varanasi-Madhosingh-Allahabad	Doubling	Uttar Pradesh	HUN	120	28	92	1000	544	456	Mar-23
35	NER	NER	DL	Domingarh-Gorakhpur-Gorakhpur Cantt.-Kusumhi - 3rd running line and Gorakhpur-Nakaha Jungle Doubling (21.15 km)	3rd Line	Uttar Pradesh	HDN	21	0	21	187	48	139	Dec-22
36	NER	NER	DL	Burhwal Gonda 3rd line	3rd Line	Uttar Pradesh	HDN	62	0	62	800	40	760	Dec-23
37	NER	NER	DL	Malhaur-Daliganj doubling with electrification	Doubling	Uttar Pradesh	HUN	13	0	13	156	29	127	Feb-22
38	NFR	NFR	DL	New Bongaigaon-Agthori via Rangiya (New Bongaigaon-Rangiya - Kamakhya)	Doubling	NER Assam	HDN	143	0	143	2043	4	2039	Mar-23
39	NFR	NFR	DL	New Mainaguri- Gumanihat remaining portion	Doubling	West Bengal	HDN	52	5	46	1167	538	629	Mar-21
40	NR	NR	DL	Alamnagar-Utretia	Doubling	Uttar Pradesh	HUN	20	0	20	338	140	198	Dec-21
41	NR	RVNL	DL	Rajpura-Bhatinda	Doubling	Punjab	Others	173	0	173	1769	385	1384	Jun-22
42	NR	NR	DL	Barabanki-Akbarpur	Doubling	Uttar Pradesh	HUN	161	0	161	1116	35	1081	Dec-23
43	NR	NR	DL	Jaunpur- Akbarpur (Tanda)	Doubling	Uttar Pradesh	HUN	77	0	77	676	39	637	Mar-24

THROUGHPUT ENHANCEMENT CRITICAL PROJECTS														Critical
S.No	Railway	Executing Agency	Plan Head	Name of Project	DL/ 3rd Line/ 4th Line/ Fly Over / Bye Pass	Project Falling in State (s)	Route	Length of Main Project (Km)	Length Commissioned upto Mar 20 (Km)	Balance Length as on 01.04.20 (Km)	Anticipated Cost (Cr.)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Target date of Completion
44	NWR	RVNL	DL	Sarotra Road-Karjoda Patch doubling	Doubling	Gujarat	HUN	24	14	10	220	182	38	Commissioned in Sep 20
45	NWR	NWR	DL	Bangurgram-Guriya Patch DL	Doubling	Rajasthan	HUN	47	33	14	395	268	127	Feb-21
46	SCR	RITES	DL	Gooty-Dharmavaram	Doubling	Andhra Pradesh	HUN	90	11	79	1053	509	544	Mar-22
47	SCR	RVNL	DL	Secunderabad-Mehboobnagar	Doubling	Telangana	HUN	85	0	85	850	619	231	Jun-21
48	SCR	SCR	DL	Vijayawada, Kazipet Bypass line	By Pass	Andhra Pradesh & Telangana	HDN	41	0	41	621	41	580	Mar-23
49	SCR	RVNL	DL	Vijaywada- Gudur 3rd line	3rd Line	Andhra Pradesh	HDN	287	0	287	3549	1569	1980	Jun-22
50	SECR	SECR	DL	Jharsuguda-Bilaspur -4th line	4th Line	Chhatisgarh & Odisha	HDN	206	18	188	1974	220	1754	Dec-23
51	SECR	RITES	DL	Pendra Road-Anuppur - 3rd line	3rd Line	Madhya Pradesh & Chhatisgarh	HUN	50	0	50	394	331	63	Mar-21
52	SECR	SECR	DL	Anuppur-Katni-3rd line	3rd Line	Madhya Pradesh	HUN	166	0	166	1691	360	1332	Dec-23
53	SECR	SECR	DL	Rajnandgaon-Nagpur 3 rd line	3rd Line	Chhatisgarh & Maharashtra	HDN	228	0	228	3525	696	2829	Dec-23
54	SER	SER	DL	Rourkela-Jharsuguda 3 rd line	3rd Line	Odisha	HDN	101	0	101	1313	671	642	Dec-21
55	SER	RVNL	DL	Kharagpur-Adityapur 3 rd line	3rd Line	Jharkhand & West Bengal	HDN	132	0	132	1312	525	787	Jul-22
56	SR	RVNL	DL	Madurai- Maniyachi-Tuticorin	Doubling	Tamilnadu	HUN	160	0	160	1536	885	651	Jun-22
57	SWR	RVNL	DL	Hospet-Hubli-Londa-Tinaighat-Vasco-de-Gama	Doubling	Karnataka & Goa	HUN	322	212	110	4530	1810	2720	Mar-23
58	SWR	SWR	DL	Hubli-Chikjajur	Doubling	Karnataka	HUN	190	50	140	1656	993	663	Mar-23
59	SWR	SWR	DL	Arsikere-Tumkur	Doubling	Karnataka	HUN	96	65	31	783	576	207	Jun-21

THROUGHPUT ENHANCEMENT CRITICAL PROJECTS														Critical
S.No	Railway	Executing Agency	Plan Head	Name of Project	DL/ 3rd Line/ 4th Line/ Fly Over / Bye Pass	Project Falling in State (s)	Route	Length of Main Project (Km)	Length Commissioned upto Mar 20 (Km)	Balance Length as on 01.04.20 (Km)	Anticipated Cost (Cr.)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Target date of Completion
60	SWR	SWR	DL	Yelahanka-Penukonda	Doubling	Andhra Pradesh & Karnataka	Others ('B' route)	123	37	86	1147	822	325	Jun-21
61	WCR	RVNL	DL	Budhni-Barkhera - 3rd line	3rd Line	Madhya Pradesh	HDN	26.5	0	27	992	432	561	Dec-22
62	WCR	IRCON	DL	Katni- Grade separator / Bypass	Fly Over	Madhya Pradesh	HUN	35	0	35	1248	115	1132	Mar-23
63	WCR	IRCON	DL	Katni- Singrauli	Doubling	Madhya Pradesh	HUN	257	41	217	1763	778	985	Mar-23
64	WCR	WCR	DL	Satna-Rewa	Doubling	Madhya Pradesh	Others	50	10	40	493	168	325	Mar-22
65	WR	RVNL SPV	DL	Palanpur-Samakhayali	Doubling	Gujarat	HUN	248	39	209	2538	1462	1076	Dec-21
66	WR	WR	DL	Surendranagar-Rajkot	Doubling	Gujarat	HUN	116	14.33	102	1002	501	501	Dec-22
67	WR	WR	DL	Nimach-Chittaurgarh	Doubling	Rajasthan & Madhya Pradesh	HUN	56	27	29	594	297	297	Dec-21
				Total Critical DL Projects	67			6844	814	6030	75215	25143	50071	
1	WR	WR	GC	Ahmedabad-Mahesana	GC	Gujarat	HUN	69	24	45	521	291	230	Oct-21
				Total Critical GC Projects	1			69	24	45	521	291	230	
				Grand Total of Critical Projects (DL + GC)	68			6913	838	6075	75736	25434	50302	

THROUGHPUT ENHANCEMENT ADDITIONAL COAL PROJECTS															Coal
S.No.	Railway	Executing Agency	Plan Head	NL/GC/DL/3rd/4th Line/Fly Over/ Bye Pass	Name of Project	Project Falling in the State (s)	Year of inclusion in Budget / Sanction	Route	Length of project (Km)	Length Commissioned upto Mar'20 (Km)	Balance length as on 01.04.20 (Km)	Anticipated Cost (Cr)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Target date of completion
1	ECoR	RVNL	NL	NL	Angul-Sukinda Road	Odisha	1996-97	Others	104	0	104	2441	1066	1375	Jun-22
2	ECR	ECR	NL	NL	Koderma-Ranchi	Jharkhand	1998-99	Others	202	175	27	3700	3398	302	Mar-22
3	ECR	ECR	NL	NL	Koderma-Tilaiya	Bihar & Jharkhand	2001-02	Others	65	25	40	1626	600	1026	Dec-22
4	ER	ER	NL	NL	Hansdiha-Godda	Jharkhand	2011-12	Others	32	15	17	663	479	184	Jan-21
5	SCR	SCR	NL	NL	Bhadrachalam Road-Sattupalli	Telangana	2010-11	Others	54	0	54	928	320	608	Jun-21
6	SECR	CERL-1 (IRCON)	NL	NL	Kharsia-Dharamjaygarh with spur line (Raigarh (Mand Colliery)-Bhudeopur)	Chhatisgarh	2013-14	Others	122	43	79	3055	2181	874	Dec-21
					Total NL	6			579	258	321	12412	8043	4370	
1	SECR	SECR	GC	GC	Jabalpur-Gondia including Balaghat-Katangi	Maharashtra & MP	1996-97	Others	300	261	39	2005	1717	288	Apr-21
2	SR	SR	GC	GC	Karaikudi-Paralam NL MM of Tiruchchirappali-Nagore-Karaikkal GC Project	Tamilnadu	1995-96	Others	23	0	23	325	0	325	Mar-24
					Total GC	2			323	261	62	2330	1717	613	
1	CR, WCR	CR, WCR	DL	3rd line	Itarsi- Nagpur 3rd line. Bal.	Maharashtra & MP	2015-16	HDN	280	0	280	2450	233	2217	Mar- 24
2	ECoR	ECoR	DL	Fly Over	Brundamal-Jharsuguda-flyover connection for joining DN Line	Odisha	2009-10	HUN	7	0	7	94	4	90	Mar-24
3	ECR	IRCON	DL	DL	Kiul- Gaya	Bihar	2015-16	HUN	124	18	106	1200	578	622	Mar-23
4	NCR	NCR WCR	DL	3rd line	Jhansi-Bina 3 rd line	MP & UP	2015-16	HDN	153	0	153	2002	750	1252	Mar-24
5	SCR	SCR	DL	3rd line	Kazipet -Ballarshah - 3rd line Excl. Mandamari-Raghavapuram	Maharashtra & Telangana	2015-16	HDN	202	0	202	2063	1026	1037	Mar-24
6	SER	SER	DL	DL	Bondamunda-Ranchi	Jharkhand & Odisha	2015-16	HUN	159	0	159	1993	541	1452	Dec-23
7	SER	SER	DL	3rd line	Narayangarh-Bhadrak 3rd line	Odisha & WB	2016-17	HDN	153	0	153	1866	14	1853	Dec-23

THROUGHPUT ENHANCEMENT ADDITIONAL COAL PROJECTS															Coal
S.No.	Railway	Executing Agency	Plan Head	NL/GC/DL/3rd/4th Line/Fly Over/ Bye Pass	Name of Project	Project Falling in the State (s)	Year of inclusion in Budget / Sanction	Route	Length of project (Km)	Length Commissioned upto Mar'20 (Km)	Balance length as on 01.04.20 (Km)	Anticipated Cost (Cr)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Target date of completion
8	SER	SER	DL	DL	Damodar-Mohisila	WB	2016-17	Others	8	0	8	99	40	59	Mar'21
9	SER	SER	DL	4th line	Bondamunda-Rourkela 4th line	Odisha	2016-17	HDN	9	0	9	94	31	63	Jun'22
10	SER	SER	DL	DL	Talgaria - Bokaro N/ Cabin - doubling (38 Km) with two loops at Chas & Ispatnagar	Jharkhand	2018-19	Others	32	0	32	512	7	505	Jun'22
11	SR	SR	DL	DL	Salem-Magnesite Junction-Omalur	Tamilnadu	2017-18	HUN	11	0	11	115	9	106	Aug-22
12	WCR	RVNL	DL	3rd line	Bhopal-Bina 3rd line.	MP	2008-09	HDN	145	139	6	1075	1069	6	Commissioned in Nov 20
					Total DL	12			1282	157	1125	13563	4301	9262	
					Grand Total NL+GC+DL	20			2184	676	1508	28306	14061	14246	

BALANCE IMPORTANT SANCTIONED THROUGHPUT ENHANCEMENT PROJECTS ON HDN / HUN ROUTES														Bal.HDN HUN
S.No.	Railway	Executing Agency	DL/3rd /4th line /Bye Pass/ Fly over	Name of Project	Project falling in State (s)	Year of inclusion in Budget / Sanction	Route	Total length (km)	Length Commissioned upto Mar 20 (Km)	Balance length as on 01.04.20 (Km)	Anticipated Cost (Cr.)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Target date of Completion
1	ER	ER	3rd line	Rampurhat-Murarai - 3rd line (Material modification)	WB	1995-96	HUN	29	0	29	350	185	165	Mar-24
				Total		1		29	0	29	350	185	165	
1	ER	ER	DL	MM for Katwa-Bazarsau - DL (Material modification)	WB	2007-08	HUN	31	13	18	310	160	150	Jun-21
				Total		1		31	13	18	310	160	150	
1	ECOR	ECOR	Fly Over	Baghuapal Fly over	Odisha	2019-20	HUN	20	0	20	152	0	152	Mar-24
2	ECR	ECR	DL	Sagauli-Valmiknagar	Bihar	2016-17	HUN	110	0	110	1216	186	1030	Mar-23
3	ECR	ECR	DL	Muzaffarpur-Sugauli	Bihar	2016-17	HUN	101	0	101	1186	78	1108	Mar-24
4	ER	ER	DL	Bazar Sau-Azimganj Jn.	WB	2012-13	HUN	42	15	28	400	207	193	Dec-22
5	ER	ER	Loop	Dankuni - Bhattanagar (6.50 Km) via CC link (west) with addl loop at Bhattanagar and MM - Bhattanagar - Baltikuri (2.70KM)	WB	2012-13	HDN	9	7	3	170	124	46	Feb-21
6	NCR	NCR	Fly Over	Allahabad Division-Construction of Aligarh Flyover	UP	2016-17	HDN	22	0	22	1179	0	1179	Mar-24
7	NCR	NCR	3rd line	Aligarh - Daud Khan 3rd line & construction of flyover at Daud Khan	UP	2018-19	HDN	7	0	7	448	0	448	Mar-24
8	NCR	NCR	4th line	Allahabad - Bumrauli 4th line (10 Km) with flying over at Subedarganj	UP	2018-19	HDN	10	0	10	493	0	493	Mar-24
9	NCR	NCR	Fly Over	Bhandai - Flyover for etawah bound down train	UP	2018-19	HDN	10	0	10	186	0	186	Mar-24
10	NER	NER	DL	Chhapra-Ballia Patch Doubling	Bihar UP	2012-13	HUN	65	0	65	580	379	201	Jul-22

BALANCE IMPORTANT SANCTIONED THROUGHPUT ENHANCEMENT PROJECTS ON HDN / HUN ROUTES														Bal.HDN HUN
S.No.	Railway	Executing Agency	DL/3rd /4th line /Bye Pass/ Fly over	Name of Project	Project falling in State (s)	Year of inclusion in Budget / Sanction	Route	Total length (km)	Length Commissioned upto Mar 20 (Km)	Balance length as on 01.04.20 (Km)	Anticipated Cost (Cr.)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr.)	Target date of Completion
11	NER	NER	DL	Ballia-Gazipur city	UP	2015-16	HUN	65	0	65	550	182	368	Jul-22
12	NER	RVNL	DL	Phephna-Indara, Mau-Shahganj doubling excluding Indara-Mau	UP	2016-17	HUN	150	0	150	1061	11	1050	Jun-23
13	NER	RVNL	DL	Bhatni-Aurnihar with electrification excluding Indara-Mau	UP	2016-17	HUN	117	0	117	1178	1	1177	Mar-24
14	NFR	NFR	DL	New Bongaigaon- Goalpara-Guwahati (Kamakhaya)	NER Assam	2015-16	HUN	176	9	167	2950	1056	1894	Mar-23
15	NFR	NFR	DL	Digaru-Hojai	NER Assam	2015-16	HUN	102	0	102	1873	803	1070	Aug-21
16	NR	NR	DL	Janghai-Pratapgarh-Amethi (87km)	Uttar Pradesh	2016-17	HUN 1	87	0	87	720	63	657	Dec-23
17	NR	RVNL	DL	Janghai- Phaphamau with electrification	UP	2017-18	HUN	47	0	47	409	1	408	Dec-23
18	NR	NR	Bye pass	Jaunpur Jn. - Jaunpur city - Chord line	UP	2017-18	HUN	2	0	2	72	2	70	Dec-22
19	NR	NR	3rd & 4th line	Barabanki-Malhaur - 3rd & 4th Line	UP	2017-18	HUN	33	0	33	407	33	374	Mar-23
20	NWR	NWR	DL	Degana-Rai ka Bagh	Rajasthan	2018-19	HUN	146	0	146	809	91	718	Jun-22
21	SCR	SCR	3rd line	Kazipet-Vijaywada 3rd line with electrification	AP Telangana	2012-13	HDN	220	0	220	1953	419	1533	Mar-24
22	SCR	SCR	Bye pass	Renigunta, Wadi & Gooty Bypass	AP Karnataka	2015-16	HDN	27	0	27	273	19	255	Mar-24
23	SCR	SCR	DL	Guntakal- Guntur	AP	2016-17	HUN	401	51	350	3631	842	2789	Mar-24
24	SECR	SECR	Fly Over	Jharsuguda-Bilaspur - Flyover/ Bye pass	Odisha	2015-16	HDN	10	0	10	300	0	300	Mar-24

BALANCE IMPORTANT SANCTIONED THROUGHPUT ENHANCEMENT PROJECTS ON HDN / HUN ROUTES														Bal.HDN HUN
S.No.	Railway	Executing Agency	DL/3rd /4th line /Bye Pass/ Fly over	Name of Project	Project falling in State (s)	Year of inclusion in Budget / Sanction	Route	Total length (km)	Length Commissioned upto Mar 20 (Km)	Balance length as on 01.04.20 (Km)	Anticipated Cost (Cr.)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr.)	Target date of Completion
25	SER	SER	DL	Dumitra-link "C" line , connection with Bisra Station.	Odisha	2017-18	HUN	2	0	2	39	1	38	Jun-21
26	SER	SER	DL	Purulia-Kotshila	WB	2018-19	HUN	39	0	39	394	5	389	Jun-22
27	SR	SR	DL	Ernakulam-Kumbalam	Kerala	2010-11	HUN	8	0	8	447	7	440	Mar-24
28	SR	SR	DL	Kumbalam-Thuravur Patch doubling (15.59 km)	Kerala	2011-12	HUN	16	0	16	708	9	699	Mar-24
29	SR	SR	DL	Trivandrum- Kanyakumari	Kerala Tamilnadu	2015-16	HUN	87	0	87	2500	164	2336	Mar-24
30	SR	RVNL	DL	Maniyachi- Nagercoil	Tamilnadu	2015-16	HUN	102	0	102	1004	484	520	Jun-22
31	SR	SR	DL	Netravathi- Mangalore	Karanataka	2016-17	HUN	2	0	2	33	9	24	Feb-21
32	SWR	SWR	3rd & 4th line	Bangalore-Whitefield- Bangalore City- Krishnarajapuram Quadrupling	Karanataka	1997-98 (Re sanctioned in 2018-19)	HUN	40	0	40	600	6	594	Dec-23
33	SWR	K - RIDE	DL	Baiyapannahalli to Hosur	Karanataka Tamilnadu	2018-19	HUN	48	0	48	499	11	488	Mar-24
34	SWR	K - RIDE	DL	Yeshwantpur to Channasandra	Karanataka	2018-19	HUN	22	0	22	314	0.10	314	Mar-24
35	WCR	WCR	3rd line	Katni - Bina -3rd line	MP	2015-16	HUN	279	19	260	2875	611	2264	Mar-24
36	WCR	WCR	Bye pass	Ruthiyai-Bye Pass line	MP	2019-20	HUN	3	0	3	49	0	49	Mar-24
37	WCR	WCR	Bye pass	Guna- Bye Pass line	MP	2019-20	HUN	2	0	2	52	0	52	Mar-24

BALANCE IMPORTANT SANCTIONED THROUGHPUT ENHANCEMENT PROJECTS ON HDN / HUN ROUTES

Bal.HDN
HUN

S.No.	Railway	Executing Agency	DL/3rd /4th line /Bye Pass/ Fly over	Name of Project	Project falling in State (s)	Year of inclusion in Budget / Sanction	Route	Total length (km)	Length Commissioned upto Mar 20 (Km)	Balance length as on 01.04.20 (Km)	Anticipated Cost (Cr.)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Target date of Completion
38	WR	WR	Doubling	Mahesana-Palanpur	Gujarat	2018-19	HUN	65	0	65	537	0	537	Mar-24
39	WR	WR	Bye pass	Bhildi-Bye Pass line	Gujarat	2019-20	HUN	1	0	1	11	0	11	Mar-22
				Total		39		2693	100	2593	32258	5803	26455	
				Grand Total		41		2753	113	2640	32918	6148	26770	

ESSENTIAL MULTI - TRACKING PROJECTS

ESSENTIAL -
Multi tracking

S.No	Railway	Multi Tracking / Fly Over / Bye Pass	State/s	Name of Project	Year of inclusion / sanction	Sanction(Sd)/ UN Sanctioned (N-S)	Length of Project (Km)	Length commissioned (Km)	Balance Length (Km)	Anticipated Cost (Cr)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Targetted date of completion
1	ECR N	Doubling	Bihar	Rampur Dumra - Tal-Rajendra Pul- Additional bridge and doubling	2015-16	Sd	14	0	14	1491	453	1038	Dec-22
2	ECR S	Doubling	Jharkhand	Doubling of Pradhan Kuntha Jn- Pathardih Bazar- Bhojudih	2019-20	N-S	17.1	0	17.1	171	0	171	
3	ER	Doubling	WB	Sondalia-Champapur (23.64 km)	2010-11	Sd	24	18	6	266	171	95	Feb-22
4	ER	Bye pass	Jharkhand	Madhupur bye-pass line	2019-20	Sd	7	0	7	154	0	154	Feb-25
5	NCR	Doubling	UP	Yamuna Br- Agra Fort- Double line with Major Bridge at Yamuna river	2016-17	Sd	2.11	0	2.11	122	10	112	June-23
6	NCR	Doubling	UP	Doubling of Billi- Chunar	2019-20	N-S	108	0	108	1080	0	1080	5 year after sanctioning of project
7	NER	Doubling	UP	Aunrihar-Jaunpur	2016-17	Sd	60	0	60	367	118	249	Mar-22
8	NER	Doubling	Bihar UP	Doubling of Gorakhpur- Valmikinagar	2019-20	N-S	87	0	87	1199	0	1199	Mar-25
9	NFR	Doubling	NER Assam	Saraighat Bridge DL	2017-18	N-S	7	0	7	1677	0	1677	
10	NFR	Doubling	NER Assam	Doubling of Lumding- Furkating	2019-20	N-S	140	0	140	2360	0	2360	
11	NFR	Doubling	Bihar WB	Doubling of Katihar- Kumedpur and Katihar- Mukuria	2019-20	N-S	64.5	0	64.5	645	0	645	
12	NR	Doubling	Punjab JK	Kathua-Madhupur Doubling across bridge No.16, 18 & 19	2011-12	Sd	1	0	1	28	28	0	Jun-21
13	NR	Doubling	Uttrakhand	Haridwar-Lakshar (27.03 km)	2012-13	Sd	27	17	10	347	244	103	Nov-20
14	NR	Doubling	UP	Muzaffarnagar - Tapri	2015-16	Sd	52	24	28	377	313	64	Jan-21
15	NR	Doubling	Punjab	Ludhiana-Kila Raipur(19 Kms) with freight line at Gill station on LDH-JHL section .	2017-18	Sd	19	0	19	238	1	237	Mar-23
16	NR	Doubling	Punjab	Ludhiana-Mullanpur	2017-18	Sd	21	0	21	237	0	237	Dec-23

ESSENTIAL MULTI - TRACKING PROJECTS

ESSENTIAL -
Multi tracking

S.No	Railway	Multi Tracking / Fly Over / Bye Pass	State/s	Name of Project	Year of inclusion / sanction	Sanction(Sd)/ UN Sanctioned (N-S)	Length of Project (Km)	Length commissioned (Km)	Balance Length (Km)	Anticipated Cost (Cr)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Targetted date of completion
17	NR	3rd line	UP	Varanasi-Mughalsarai -3rd line (16.72 km) with substructure of two lines on Bridge no.-11 (Malviya Bridge)	2017-18	N-S	17	0	17	1386	0	1386	Not Fixed
18	NR	Doubling	Punjab	Amritsar to Chheharta	2018-19	Sd	7	0	7	29	11	18	Feb-21
19	NR	Doubling	Punjab Harayana	Doubling of Jakhal - Hissar Part of Firozpur- Bhatinda and Jakhal-Hisar doubling	2019-20	N-S	82	0	82	820	0	820	Dec-24
20	NR	Bye Pass	Harayana	Connectivity between Palwal and New Prithala	2019-20	N-S	4	0	4	66	0	66	
21	NWR	Doubling	Rajasthan	Phulera- Digana	2015-16	Sd	108	0	108	702	111	591	Apr-22
22	NWR	Doubling	Rajasthan	Sawaimadhopur-Jaipur	2019-20	N-S	131	0	131	1121	0	1121	Mar-25
23	NWR	Doubling	Punjab Harayana Rajasthan Gujarat	Doubling of Luni - Samdhari - Bhildi Part of Bhatinda- Bhildi via Sirsa, Hisar, Ratangarh, Degana, Luni, Samdhari excluding Degana-Rai ka Bag doubling Project.	2019-20	N-S	278	0	278	2780	0	2780	Mar-25
24	NWR	Doubling	Rajasthan	Doubling of Ajmer- Chittorgarh	2019-20	N-S	186	0	186	1860	0	1860	Mar-25
25	SCR	Doubling	AP Maharashtra Telangana	Doubling of Mudkhed- Secunderabad- Mehboobnagar - Dhone excluding Bolarum- Mehboobnagar including Dhone By pass Part of Akola- Dhone via Purna, Mudkhed, Secunderabad, Mehboobnagar excluding Purna- Mudkhed and Bolarum- Mehboobnagar including Dhone bye pass	2019-20	N-S	419	0	419	4190	0	4190	NF
26	SECR	Doubling	Chhatisgarh	Doubling of Boridand - Bishram Pur Part of Boridand- Ambikapur and Boridand- Chirmiri doubling	2019-20	N-S	98.3	0	98.3	1240	0	1240	Mar-25

ESSENTIAL MULTI - TRACKING PROJECTS

ESSENTIAL -
Multi tracking

S.No	Railway	Multi Tracking / Fly Over / Bye Pass	State/s	Name of Project	Year of inclusion / sanction	Sanction(Sd)/ UN Sanctioned (N-S)	Length of Project (Km)	Length commissioned (Km)	Balance Length (Km)	Anticipated Cost (Cr)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Targetted date of completion
27	SER	Doubling	Jharkhand	Doubling between Bhojudi-Talgoria in connection with permanent diversion of fire affected Dhanbad- Chandrapura line	2019-20	N-S	12.5	0	12.5	129	0	129	
28	SR	Doubling	Kerala	Turavur- Ambalapuza	2015-16	N-S	46	0	46	1339	0	1339	Mar-24
29	SR	Bye pass	Tamilnadu	Doubling of Chennai Beach-Chennai Egmore	2019-20	N-S	4.3	0	4.3	280	0	280	Aug-23
30	SWR	Doubling	Karnataka Maharashtra	Hotgi-Kudgi-Gadag	2014-15	Sd	284	114	170	1870	1144	726	Mar - 24
31	WCR	3rd line	MP	Malkhedi-Mahadeokhedi	2015-16	Sd	8.7	0	8.7	26	0	26	Dec-21
32	WR	Doubling	Gujarat	Rajkot - Kanalus	2018-19	N-S	111	0	111	1173	0	1173	
Total					32		2448	173	2275	29770	2604	27166	

ESSENTIAL MULTI - TRACKING PROJECTS PLANNED TO BE COMMISSIONED BY 2025-30

Essential -
DL 25-30

S.No	Rly	Plan head	Multi Tracking / Fly Over / Bye Pass	State	Name of Project	Year of inclusion / sanction	Sanction/ UN Sanctioned	Length of Project (Km)	Length commissioned (Km)	Balance Length (Km)	Anticipated Cost (Cr)	Expenditure upto Mar 20 (Cr)	Throw Forward as on 01.04.20 (Cr)	Target Date Completion
1	CR	DL	3rd line	Maharashtra	Kalyan-Kasara - 3rd line	2011-12	Sanctioned	68	0	68	1388	320	1068	Mar-25
2	CR	DL	DL	Maharashtra	Daund Manmad	2016-17	Sanctioned	236	15	221	2081	360	1721	Mar-25
3	ECR	DL	DL	Bihar	Samastipur - Darbhanga	2015-16	Sanctioned	38	10	28	519	216	303	Mar-25
4	NCR	DL	Bye	UP WB	Bypass at Sainthia, Sitampur, Etawah	2015-16	Sd+NS	21	0	21	1356	0	1356	Feb-25
5	NCR	DL	Doubling	UP	Jhansi - Khairar - Manickpur & Khairar - Bhimsen	2016-17	Sanctioned	411	0	411	4330	22	4263	Mar-26
6	NR	DL	3rd & 4th line	Delhi	Anand Vihar-Tilak Bridge 3rd & 4th line (9.77 km)	2012-13	Sanctioned	20	0	20	419	93	326	Mar-25
7	NR	DL	Fly Over	Delhi	Dayabasti-Grade separator	1999-00	Sanctioned	3	0	3	359	112	247	Mar-25
8	NCR	NCR	3rd line	UP	Mughalsarai-Allahabad, 3rd line	2015-16	Sanctioned	150	0	150	2649	0	2649	Dec-25
9	SER	DL	Bye pass	Jharkhand	Lodhma - Piska - Link Line bypassing Hatia/Ranchi with Y connection	2018-19	Sanctioned	17	0	17	598	1	597	Dec-24
10	SWR	DL	Doubling	AP	Pennukonda to Dharmavarm excluding Dharmavaram	2018-19	Sanctioned	42	0	42	308	0	308	Oct - 24
11	WR	DL	Doubling	MP	Nimach-Ratlam	2018-19	N-S	133	0	133	1138	0	1138	
Total						11		1139	25	1114	15145	1124	13976	

PRIORITY PROJECTS OF NEW LINES - NATIONAL PROJECTS													National Project
S.No.	Railway	Executing Agency	Plan head	Name of Projects	Falling in State(s)	Year of inclusion in Budget	Total Length of Project (Km)	Length commissioned upto Mar 20 (Km)	Balance length as on 01.04.20 (Km)	Anticipated cost of project (Cr.)	Expenditure upto Mar'2020 (Cr.)	Throwforward as on 01.04.20 (Cr.)	Target date of Completion
1	NFR	NFR	NL	Agartala-Sabroom	Tripura	2008-09	115	115	0	3905	3630	275	Commissioned
2	NFR	NFR	NL	Bogibeel bridge	Assam	1997-98	93	93	0	5643	5543	100	Commissioned
3	NFR	NFR	NL	Harmuti-Naharlagun	Arunachal Pradesh	1996-97	20	20	0	629	604	25	Commissioned
4	NFR	NFR	GC	Rangia-Murkongselek	Assam	2006-07	505	505	0	4545	4530	15	Commissioned
5	NFR	NFR	NL	Kumarghat-Agartala	Tripura	1996-97	107	107	0	1732	1586	146	Commissioned
6	NFR	NFR	GC	Lumding - Badarpur - Silchar - Jiribum & Badarpur - Kumarghat - Agartala & Link fingers	Assam, Tripura & Manipur	1996-97	421	421	0	8056	7772	284	Commissioned
7	NR	RVNL	NL	Bhanupalli-Bilaspur-Beri	Punjab & Himachal Pradesh	2008-09	63	0	63	6753	548	6205	Mar-25
8	NFR	IRCON	NL	Sivok-Rangpo	West Bengal & Sikkim	2008-09	44	0	44	7500	685	6815	Dec-23
9	NFR	NFR	NL	Teteliya-Byrnihat	Assam & Meghalaya	2006-07	22	10	11	1044	722	322	Not Fixed
10	NFR	NFR	NL	Bhairabi-Sairang	Mizoram	2008-09	51	0	51	5521	3588	1933	Mar-23
11	NFR	NFR	NL	Dimapur-Kohima	Assam & Nagaland	2006-07	83	0	83	6911	964	5948	Dec-24
12	NFR	NFR	NL	Jiribam-Imphal	Manipur	2003-04	111	12	99	14000	10095	3905	Mar-23
13	NR	NR	NL	Udhampur-Srinagar Baramulla Rail Link	J&K	1994-95	272	161	111	27949	21098	6851	Dec-22
14	RVNL	RVNL	NL	Rishikesh-Karnaprayag	Uttarakhand	2010-11	125	6	119	22042	2046	19996	Dec-24
15	NFR	NFR	NL	Byrnihat-Shillong	Meghalaya	2010-11	108	0	108	4083	264	3819	Not Fixed
				Total	15		2139	1449	690	120312	63673	56640	

ESSENTIAL NEW LINE PROJECTS													Essential NL
S.No	Railway	Project falling in State / s	Name of Project	Funding Pattern	Year of Sanction/ Inclusion in Budget	Sanction/ Un-Sanctioned	Length of Project (Km)	Length commissioned upto Mar 20 (Km)	Balance Length as on 01.04.20 (Km)	Anticipated Cost (Cr)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Targetted date of completion
1	ER	West Bengal	Tarakeshwar-Bishnupur (82.46 Km)	100% Railway	2000-01	Sd.	82	57	25	1144	894	250	Mar-24
2	ECR S	Bihar	Patna Bridge and MM for doubling of Patliputra-Pahleza section with electrification	Rly-59.74 Bihar Govt.-40.26	1997-98	Sd.	29	29	0	3457	3425	32	Jul-21
3	ECR S	Bihar	Fatuha-Islampur(43.50) incl. MM for extn.of NL from Neora to Daniawan (42.2) , Daniawan to Biharsharif (38.2), Biharsharif to Barbigha (25.80 Km), Barbigha to Shekhpora(16.80)	100% Railway	2001-02	Sd.	167	94	72	1483	1101	382	Mar-23
4	ECR, ER	Bihar	Munger-rail-cum-road Bridge on river Ganga (3.69 Km) by ECR and Jamalpur-Munger (8.10 KM) NL & Ratanpur-Jamalpur,DL (6.35 Km) by ER. Total project length: 18.14 km.	44.95 : 55.05 (Rly:MoRTH)	2002-03	Sd.	26	20	6	2776	2704	72	Mar'21
5	ECR N	Bihar	Kosi Bridge	100% Railway	2003-04	Sd.	22	0	22	516	413	103	Mar-21
6	NER	UP	Mau-Ghazipur-Tarighat	50% cost of Bridge by MoRTH	2015-16	Sd.	13	0	13	794	564	230	Mar-22
7	NFR	Bihar	Araria-Galgalia (Thakurganj)	100% Railway	2006-07	Sd.	111	0	111	2145	967	1178	Mar-24
8	NFR	NER Assam West Bengal	New Moynaguri-Jogighopa NL with GC of New Mal-Moynaguri Road and New Changrabanda-Changrabanda (3 km)	100% Railway	2000-01	Sd.	279	231	48	4111	3462	649	Mar-21
9	NR	Haryana	Rewari-Rohtak including MM bye-pass line.	Rewari - Rohtak 50% + Rs. 90.5 cr share by Rly Rs. 2224.5 cr by Harayana Govt for Bye pass	2003-04	Sd.	86	81	5	1001	815	186	Jan'2021
10	NR	Haryana	Rohtak-Mehem-Hansi	Land free+ 50% CN cost by Govt of Harayana	2012-13	Sd.	64	0	64	844	418	426	Jun'21
11	NWR	Rajasthan	Dausa-Gangapur City	100% Railway	1996-97	Sd.	93	35	58	860	597	263	Nov-20
12	NWR	Rajasthan	Gudha-Thathana Mithri Test Track for RDSO (Umbrella Work)	100% Railway	2018-19	Sd.	25	0	25	353	32	321	Jun-22
13	SCR	Telangana	Akkanapet-Medak	Land free + 50% CN cost by Telangana Govt.	2012-13	Sd.	17	0	17	211	121	90	Mar-22
14	SR	Tamil Nadu	Madurai-Tuticorin via Aruppukkottai	100% Railway	2011-12	Sd.	18	0	18	360	199	161	Jun-21
15	SR	Tamil Nadu	Rameswaram-Dhanushkodi (Umbrella Work)	100% Railway	2018-19	Sd.	19	0	19	725	1	724	Mar-24

ESSENTIAL NEW LINE PROJECTS													Essential NL
S.No	Railway	Project falling in State / s	Name of Project	Funding Pattern	Year of Sanction/ Inclusion in Budget	Sanction/ Un-Sanctioned	Length of Project (Km)	Length commissioned upto Mar 20 (Km)	Balance Length as on 01.04.20 (Km)	Anticipated Cost (Cr)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Targetted date of completion
16	SR	Tamil Nadu	Chinnasalem-Kallakurichi New Line MM of Cuddalore-Salem (191 Km)	50% cost sharing by TN Govt for NL	2015-16	Sd.	16	0	16	117	17	100	Mar-24
Total					16		1067	547	519	20897	15730	5167	

ESSENTIAL NEW LINE PROJECTS PLANNED TO BE COMMISSIONED DURING 2025-30													Essential NL 25-30
S.No	Railway	Project falling in State / s	Name of Project	Funding Pattern	Year of Sanction / inclusion in Budget	Sanction/ Un-Sanctioned	Length of Project (Km)	Length commissioned upto Mar 20 (Km)	Balance Length as on 01.04.20 (Km)	Anticipated Cost (Cr)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Target Date of Completion
1	CR	Maharashtra	Ahmednagar-Beed-Parle Vaijnath	50:50 (Railway : Govt of	1995-96	sd	261	35	226	4795	2555	2240	Mar-25
2	CR	Maharashtra	Vaibhavwadi-Kolhapur	50:50 (Railway : Govt of	2016-17	sd	108	0	108	3439	0	3439	Mar-26
3	CR	Maharashtra	Wardha-Nanded (via Yevatmal-Pusood)	60:40 (Railway : Govt of	2008-09	sd	284	0	284	3168	1270	1898	Mar-25
4	ECoR	Odisha	Jeypore-Malkangiri	25% cost by Odisha	2016-17	Sd	130	0	130	2344	4	2340	Mar-27
5	ECoR	Odisha	Jeypore-Nabarangpur	Land free+ 50% CN cost by Odisha	2016-17	Sd	41	0	41	748	1	747	Mar-26
6	ECoR	Odisha	Khurda Road-Bolangir	Land free +50% cost (km 112 to km	1994-95	Sd	289	92	197	3792	1326	2466	Mar-26
7	ECoR	Odisha	Talcher-Bimlagarh	100% by Railway	2003-04	sd	150	18	132	1928	793	1135	Mar-25
8	ECR S	Jharkhand	Dhanbad-Chandrapura alternate route via Tundu-Nichitpur (Umbrella Work)	100% by Railway	2018-19	Ns	26	0		629	0	629	Mar-25
9	ER	Jharkhand	Chitra-Basukinath	50:50	2016-17	sd	38	0	38	794	5	789	Mar-26
10	ER	Bihar Jharkhand	Pirpainti-Jassidih	50:50	2013-14	sd	97	0	97	2138	305	1833	Mar-26
11	NR	Haryana HP	Chandigarh-Baddi	50% by HP Govt	2007-08	Sd	28	0	28	1540	239	1301	Mar-25
12	NR	UP Uttarakhand	Deoband (Muzzafar Nagar)-Roorkee	50% by UK Govt	2007-08	Sd	27	0	27	791	528	263	Dec-24
13	NR	Punjab	Ferozpur-Patti	Land Free by Govt. of Panjab	2013-14	Sd	26	0	26	300	0	300	Sep-24
14	NR	HP Punjab	Nangal Dam-Talwara & Taking over siding of Mukerian-Talwara (29.16 km)	100% by Railway	1981-82	Sd	113	61	52	2375	672	1703	Dec-24
15	NWR	Rajasthan	Dedicated Test Track for RDSO (Phase-II)	100% by Railway	2019-20	N-S	34	0	34	466	0	466	Mar-23
16	SWR	Karnataka	Bagalkot-Kudachi	Land+50% CN Cost by Karnataka Govt.	2010-11	Sd	142	30	112	1525	305	1220	Dec-26
17	SCR	AP Telangana	Bhadrachalam-Kovvur	50% Cost by GoAP for AP portion	2012-13	Un-Sanction	119	0	119	2155	2	2153	Could be planned
18	SCR	AP	Kotipalli-Narsapur	75:25 (Rly:AP)	2000-01	Sd	57	0	57	2120	663	1457	Mar-24
19	SCR	Telangana	Manoharabad-Kotapalli	Land free + 33% cost + free annuity for first 5 yrs by	2006-07	Sd	151	0	151	1374	404	970	Mar-25
20	SCR	AP	Nadikude-Srikalahasti	Land free + 50% CN cost by GoAP	2011-12	Sd	309	46	263	2643	1051	1592	Mar-25

ESSENTIAL NEW LINE PROJECTS PLANNED TO BE COMMISSIONED DURING 2025-30													Essential NL 25-30
S.No	Railway	Project falling in State / s	Name of Project	Funding Pattern	Year of Sanction / inclusion in Budget	Sanction/ Un-Sanctioned	Length of Project (Km)	Length commissioned upto Mar 20 (Km)	Balance Length as on 01.04.20 (Km)	Anticipated Cost (Cr)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Target Date of Completion
21	SCR SWR	AP Karnataka	Kadapa (Cuddapah) -Bangalore (Bangarapet)	100% by Railway	2008-09	Sd	265	21	297	3038	348	2690	Mar-26
22	SECR	Chhatisgarh	Chirimiri-Nagpur Halt	50:50 (Railway : Chhatisgarh)	2018-19	Sd	17	0	17	241	0	241	Mar-24
23	SECR	Maharashtra	Wadsa-Gadchiroli	50:50 (Railway : Maharashtra)	2011-12	Sd	52	0	52	1096	40	1056	Dec-24
24	SER	Jharkhand Odisha	Kiriburu-Barbil (24.50 km)	100% by Railway	2020-21	Un-sanctioned	24.5	0	24.5	705	0	705	Dec-25
25	SER	Jharkhand	Namkum-Kandra (106 Km)	100% by Railway	2018-19	Un-	106	0	106	2855	0	2855	Dec-25
26	SWR	Karnataka	Dharwad to Belgaum via Kittur	100% by Railway	2019-20	N-S	73	0	73	988	0	988	Mar-24
27	SWR	Karnataka	Gadag-Wadi	Land free +50% CN cost by Karnataka	2013-14	Sd	257	0	257	2842	208	2634	Jun-25
28	SWR	Karnataka	Hassan-Belur (Umbrella work)	Land free +50% CN cost by Karnataka	2018-19	Sd	32	0	32	463	0	463	Dec-25
29	SWR	Karnataka	Kadur-Chickmagalur-Sakleshpur	1. Kadur- Chik Manglur 50:50 (Rly : Karnataka Govt.) 2.Chikamagalur-Sakleshpur (47 Km) sectio- Land free + 50 % Cost by	1996-97	Sd	93	46	20	462	462	490	Mar-26
30	SWR	Karnataka	Marikuppam - Kuppam	100% by Railway	2012-13	sd	24	0	24	279.54	32.19	247.35	Mar-24
31	SWR	AP Karnataka	Rayadurg-Tumkur via Kalyandurg	50:50 by AP & KAR	2007-08	Sd	207	63	144	2398	983	1415	Dec-25
32	SWR	Karnataka	Shimoga-Harihar	Land free + 50% CN cost by	2011-12	Sd	79	0	79	832	1	831	Mar-26
33	SWR	Karnataka	Shimoga-Shikaripura-Ranebennur	Land free + 50% CN cost by	2018-19	Sd	89	0	89	994	0	994	Mar-25
34	SWR	Karnataka	Tumkur-Chitradurg-Davangere	Land free +50% CN cost by Karnataka	2011-12	Sd	191	0	191	1801	56	1745	Mar-25
35	SWR	Karnataka	Whitefield-Kolar	Land free + 50% CN cost by	2011-12	Sd	53	0	53	548	0	548	Mar-25
36	WCR	Rajasthan MP	Ramganjmandi-Bhopal	100% by Railway	2000-01	Sd	277	34	243	2910	1110	1800	Mar-30
37	WCR NCR	MP UP	Lalitpur-Satna, Rewa-Singrauli & Mahoba-Khajuraho	100% by Railway	1997-98	Sd	541	229	312	6673	2309	4364	Mar-30
38	WR	Gujarat	Somnath-Kodinar(36.91km) NL MM of Rajkot-Veraval (185 Km) GC,	100% by Railway	2010-11	Sd	37	0	37	394	0	394	Mar-25
39	SCR SWR	Telangana Karnataka	Munirabad-Mahabubnagar	50% by Karnataka Govt for 165 Km	1997-98	sd	247	80	151	3589	1740	1849	Sep-24
Total					39		5094	754	4323	72172	17412	55251	

GAUGE CONVERSION PROJECTS PLANNED TO BE COMMISSIONED BY 2024												GC
S.No.	Railway	Executing Agency	Name of Project	Project falling in State (s)	Year of inclusion in Budget	Total Length of Project (Km)	Length of Project commissioned upto Mar 20 (Km)	Balance Length of Project as on 1.4.20 (Km)	Anticipated cost of the project (Cr.)	Expenditure upto Mar'20 (Cr.)	Throw forward as on 1.4.2020 (Cr.)	Target date of completion
1	ECR	IRCON	Jaynagar-Bijalpura,	Bihar Nepal	2010-11	52	35	18	580	533	47	Mar-21
2	ECR	ECR	Mansi-Saharsa, incl. Saharsa-Dauram Madhepura-Purnia & MM Banmakhi- Bihariganj	Bihar	1996-97	169	157	12	752	678	74	May-21
3	ECR	ECR	Jaynagar-Darbhanga-Narkatiaganj & MM of Narkatiaganj-Bhikhna Tori	Bihar	1997-98	282	260	22	1061	1042	19	Mar-23
4	ECR	ECR	Sakri-Laukaha Bazar-Nirmali & Saharsa-Forbesganj	Bihar	2003-04	206	72	134	1471	892	579	Mar-24
5	NER	NER	Pilibhit-Shahjahanpur	Uttar Pradesh	2017-18	84	38	46	590	382	208	Mar-21
6	NER	RVNL	Lucknow-Pilibhit via Sitapur, Lakhimpur	Uttar Pradesh	2011-12	262	195	67	1458	1234	224	Mar-22
7	NER	NER	Indara-Dohrighat	Uttar Pradesh	2016-17	34	0	34	213	13	200	Mar-22
8	NER	NER	Baharaich -Nanpara-Nepal Ganj	UP	2019-20	56	0	56	487	0	487	Mar-24
9	NWR	NWR	Mavli Jn.-Bari Sadri	Rajasthan	1996-97	82	0	82	480	225	255	Jun-21
10	SECR	SECR	Chhindwara-Nagpur	Maharashtra & Madhya Pradesh	2005-06	150	130	20	1414	1386	28	Commissioned in 20-21
11	SECR	SECR	Jabalpur-Gondia	Maharashtra & Madhya Pradesh	1996-97	285	261	24	2005	1717	288	Commissioned in Oct 20
12	SECR	SECR	Chhindwara-Mandla Fort	Madhya Pradesh	2010-11	182	18	164	1268	777	491	Dec-21
13	SECR	SECR	Kendri-Dhamtari & Abhanpur-Rajim	Chhattisgarh	2011-12	67	0	67	544	0	544	Mar-24
14	SECR	JV	Nagbir-Nagpur	Maharashtra	2013-14	116	0	116	1400	9	1391	Mar-22
15	SR	SR	Tambaram-Chengalpattu	Tamil nadu	2015-16	30	0	30	280	240	40	Dec-20
16	SR	SR	Tiruturaipundi-Agastiyampalli	Tamil nadu	2007-08	37	0	37	370	70	300	Aug-21
17	SR	SR	Madurai-Bodinayakkanur	Tamil nadu	2008-09	90	37	53	601	231	370	Sep-21

GAUGE CONVERSION PROJECTS PLANNED TO BE COMMISSIONED BY 2024												GC
S.No.	Railway	Executing Agency	Name of Project	Project falling in State (s)	Year of inclusion in Budget	Total Length of Project (Km)	Length of Project commissioned upto Mar 20 (Km)	Balance Length of Project as on 1.4.20 (Km)	Anticipated cost of the project (Cr.)	Expenditure upto Mar'20 (Cr.)	Throw forward as on 1.4.2020 (Cr.)	Target date of completion
18	WR	WR	Dabhoi-Chandod GC	Gujarat	2017-18	18	0	18	144	130	14	Commissioned in Dec 20
19	WR	RVNL	Dhasa-Jetalsar	Gujarat	2012-13	104	0	104	873	611	262	Mar-21
20	WR	RVNL	Ahmedabad-Botad	Gujarat	2012-13	170	0	170	1500	1262	238	Mar-21
21	WR	WR	Mehsana-Taranga Hill	Gujarat	2011-12	54	33	21	368	330	38	Commissioned in Nov20
22	WR	WR	Ahmedabad- Mahesana	Gujarat	2015-16	69	24	45	521	291	230	Oct-21
23	WR	G-RIDE	Katosan Rd-Becharji	Gujarat	2017-18	29	0	29	375	56	319	Mar-24
24	WR	WR	Miyagam-Karjan-Dabhoi-Samalaya	Gujarat	2011-12	96	0	96	844	135	709	Mar-24
25	WR NWR	WR NWR	Ahmedabad-Himmatnagar-Udaipur	Gujarat & Rajasthan	2008-09	294	134	160	2174	1603	571	Mar-22
			Total		25	3021	1393	1628	21773	13847	7926	

GAUGE CONVERSION PROJECTS PLANNED TO BE COMMISSIONED DURING 2025-30												GC 25-30
S.No.	Railway	Executing Agency	Name of Project	Project falling in State (s)	Year of inclusion in Budget	Total Length of Project (km)	Length of Project commissioned upto Mar 20 (km)	Balance Length of Project as on 1.4.20 (km)	Anticipated cost of the project (Cr.)	Expenditure upto Mar'20 (Cr.)	Throw forward as on 1.4.2020 (Cr.)	Target date of completion
1	NCR	NCR	Gwalior-Sheopurkalan	Rajasthan & Madhya Pradesh	2010-11	188	0	188	2913	215	2698	Dec-24
2	NCR	NCR	Dholpur-Sirmuttra	Rajasthan	2010-11	70	0	70	733	22	711	Mar-24
3	WR	JV	Bhuj Naliya	Gujarat	2003-04	101	30	71	827	126	701	Not Fixed
4	WR	G-RIDE	Becharji-Ranuj	Gujarat	2017-18	36	0	36	411	0	411	Mar-24
5	WR & SCR	WR & SCR	Ratlam-Mhow-Khandwa-Akola and MM of Fatehabad-Chandrawati Ganj-Ujjain	Maharashtra & Madhya Pradesh	2008-09	496	198	298	5411	1939	3472	Not Fixed
			Total		5	890	228	662	10295	2302	7993	

PROJECTS IN PIPE LINE

PROJECTS IN PIPE LINE														PROJECTS IN PIPE
S.No	Railway	Funding Pattern	Executing Agency	Plan Head	Project falling in State/s	Name of Project	Year of Inclusion in Budget / Sanction	Sanctioned (Sd.) / Unsanctioned (N-S)	Total length (in km)	Length Commissioned upto Mar 20 (Km)	Balance length as on 01.04.20 (Km)	Anticipated Cost (Cr)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)
1	CR	SPV	RVNL	NL	Maharashtra	Dighi Port-Roha	2015-16	Sd.	34	0	34	724	0	724
2	CR	JV	MRIDC	NL	Maharashtra	Pune-Nasik	2016-17	N-S	235	0	235	8020	0	8020
3	CR		CR	NL	Maharashtra	Phaltan to Pandharpur.	2017-18	N-S	105	0	105	1153	0	1153
4	CR		CR	NL	Maharashtra	Solapur-tuljapur-Osmanabad (Umbrella Work)	2018-19	Sd.	84	0	84	905		905
5	ECoR		ECoR	NL	Odisha	Extension of Naupada-Gunupur new line upto Theruvali	2017-18	N-S	79	0	79	1274	0	1273
6	ECR S	50:50	ECR S	NL	Jharkhand	Parasnath-Madhuban-Giridih new line	2018-19	Sd.	49	0	49	903	0	903
7	ER	50:50	ER	NL	Jharkhand	Godda-Pakur	2016-17	N-S	80	0	80	2024	0	2023
8	NFR	100%	IRCON	NL	Bihar Nepal	Jogbani-Biratnagar(Nepal)	2010-11	Sd.	19	8	11	374	238	136
9	NFR		NFR	NL	Arunachal Pradesh Assam	Murkongselek-Pasighat	2011-12	Sd.	27	0	27	661	141	520
10	NFR	100% by DONEAR	IRCON	NL	Tripura Bangladesh	Agartala-Akhaura (Bangladesh)	2012-13	Sd.	5	0	5	796	218	579
11	SECR	CS SPV	RVNL/IRCON	NL	Chhatisgarh	DalliRajahra-Jagdapur	1998-99	Sd.	235	42	193	4160	971	3189
12	SECR	SPV	IRCON	NL	Chhatisgarh	Gevra Road-Pendra Road	2013-14	Sd.	135	0	135	2220	336	1884
13	SECR	JV	CRCL	NL	Chhatisgarh	Katghora-Dongargarh (Dongargarh-Kharigarh-Bilaspur)	2016-17	Sd.	295	0	295	5950		5950
14	SECR	SPV	IRCON	NL	Chhatisgarh	Dharamjaigarh-Korba	2016-17	Sd.	63	0	63	1686	36	1650
15	SWR		SWR	NL	Karnataka	Hubli-Ankola	1997-98	Sd.	167	0	167	3750	151	3599
16	WR	SPV	DMIDC	NL	Gujarat	Bhimnath-Dholera	2016-17	N-S	28	0	28	302	0	302
						Total	16		1640	50	1590	34902	2093	32809
1	CR		CR	GC	Maharashtra	Pachora Jamner	2019-20		84	0	84	850	0	850
2	SER		SER	GC	Odisha Jharkhand	Rupsa-Bangriposi MM New Line from Buramara to Chakulia	1995-96	Sd.	159	90	69	1455	184	1271
						Total	2		243	90	153	2305	184	2121
1	CR	JV	MRIDC	DL	Maharashtra	Igatpuri - Manmad 3rd line	2018-19	N-S	122	0	122	1448	0	1448
2	CR		CR	DL	Maharashtra	Bhusawal-Wardha 3 rd Line	2019-20	N-S	313	0	313	2485	0	2485
3	ECoR		RVNL	DL	AP Odisha	Bhadrak-Vizianagram 3rd line	2015-16	N-S	385	0	385	4601	2	4599
4	ECR S		ECR S	DL	Jharkhand	Permanent diversion of fire affected Dhanbad- Chandrapura line by Dhanbad- Ispatnagar line via Telulmari, Nichitpur, Matari, Telo including Y connection at Dhanbad and Ispatnagar	2019-20	N-S	44	0	44	438	0	438
5	ECR N		ECR N	DL	Bihar	Barauni- Bachwara 3 rd & 4 th line	2019-20	N-S	32	0	32	645	0	645
6	ECR S		ECR S	DL	Bihar	Sonenagar bye pass line from Chiralapothu to Bagha Bishunpur	2019-20	N-S	10	0	10	126	0	126

PROJECTS IN PIPE LINE

PROJECTS
IN PIPE

S.No	Railway	Funding Pattern	Executing Agency	Plan Head	Project falling in State/s	Name of Project	Year of Inclusion in Budget / Sanction	Sanctioned (Sd.) / Unsanctioned (N-S)	Total length (in km)	Length Commissioned upto Mar 20 (Km)	Balance length as on 01.04.20 (Km)	Anticipated Cost (Cr)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)
7	ER		ER+ RVNL	DL	West Bengal	Kalinarayanpur-Krishnanagar (21.99 km) with Krishnanagar-Shantipur (15.29 km) GC, Krishnanagar-Nawadwip ghat-12.2 Km GC & Krishnanagar-Chartala (13 Km) GC & new MM for Krishnanagar-Chapra (19.2 Km) NL, Naihati-Ranaghat-3rdline (35.54 km) & Nabadwipghat-Nabadwipdham (9.58 km) NL with extn to BB	2000-01	Sd.	129	37	92	1663	593	1070
8	NCR		NCR	DL	UP	Iradatganj-Kunwahdih Construction of Flyover	2016-17	N-S	23	0	23	2878	0	2878
9	NCR		NCR	DL	UP	Karchana- Iradatganj Construction of Flyover	2016-17	N-S	13	0	13	1042	0	1042
10	NCR		NCR	DL	UP	Naini - Irdatganj Construction of Flyover	2016-17	N-S	13	0	13	681	0	681
11	NCR		NCR	DL	Rajasthan UP	Mathura-Dholpur - 4th line	2018-19	N-S	107	0	107	2946	0	2946
12	NCR		NCR	DL	Rajasthan UP	Agra Fort and Bandikui	2018-19	N-S	150	0	150	1519	0	1519
13	NCR		NCR	DL	Rajasthan MP UP	Dholpur - Jhansi - Bina - 4th line.	2018-19	N-S	322	0	322	4870	0	4870
14	NR	Land free for New line by Panjab	NR	DL	Punjab	Mansa-Bhatinda (52 Km) Ph.I including new MM for Rama Mandi (Raman)-Maur Mandi (Maur) via Talwandi Sabo(29.11 km)	2009-10	Sd.	80	51	29	449	226	223
15	NWR		NWR	DL	Rajasthan	Byepass line at Sawaimadhopur	2019-20	N-S	7	0	7	252	0	252
16	SCR		SCR	DL	AP	Duvvada-Vijaywada - 3rd line	2015-16	N-S	333	0	333	3873	0	3873
17	SECR	SPV	IRCON	DL	Chhatisgarh	Gevra Rd-Pendra Rd	2015-16	Sd.	135	0	135	2750	300	2450
18	SER		SER	DL	West Bengal	Radhanagar siding line of Adra Division to Barachak and Y connection line to Sitaram pur .	2017-18	N-S	10	0	10	473	0	473
19	SER		SER	DL	Jharkhand West Bengal	Chandil- Anara- Burnpur - 3rd line with additional loop line at Nimdih, Urma, Tamna, Charra & Bagalia (125KM).	2018-19	N-S	125	0	125	1647	0	1647
20	SER		SER	DL	Odisha	Rourkela-Bondamunda A Cabin 5th line	2019-20	N-S	10	0	10	170	0	170
21	WR		WR	DL	MP	Indore-Dewas-Ujjain	2016-17	Sd.	79	0	79	604	177	427
22	WR		WR	DL	Gujarat	Anand-Godhara	2017-18	Sd.	79	0	79	692	0	692
23	WR		WR	DL	MP	Ujjain - Fly Over	2019-20	Sd.	2	0	2	100	0	100
Total							23		2524	88	2435	36350	1298	35052
Grand Total							41		4406	228	4178	73557	3575	69982

PRIORITY TRAFFIC FACILITIES WORKS								Traffic Facilities
S.No.	Rly	Name of the Work	Category of Work	Priority of Project	Anticipated cost (Cr)	Expenditure Upto Mar 20 (Cr)	Throw forward as on 01.04.20 (Cr)	Target date of Completion
Super Critical Traffic Facilities Project								
1	CR	Wardha-Chitoda - 2nd chord line(4.26 km)	Byepass	Super Critical	21.08	2.85	18.23	Feb-21
2	CR	Itarsi - Amla - Nagpur - Wardha - Bhusawal - Jalgaon (713.86 km) - Longer loop	Longer Loop	Super Critical	58.02	0	58.02	Dec-20
3	CR	BSL - Provision of separate UP and DN Main lines for BD side trains and an additional island platforms at BSL station.	Coaching Facility	Super Critical	52.89	14	38.89	Mar-23
4	CR	Pune : Extension of PF for 24/26 coaches and removal of DDS.	Coaching Facility	Super Critical	51.85	5.48	46.37	Mar-24
5	CR	Panvel - Kalamboli Coaching Terminus to serve Navi Mumbai area - Phase -I Stage -I	Satellite Terminal	Super Critical	216.11	92.28	123.83	Jun-22
6	CR	Lokmanya Tilak Terminus: Augmentation of Coaching facilities.	Coaching Facility	Super Critical	64.1	8.83	55.27	Mar-22
7	CR	Hadapsar - Development as satellite terminal	Satellite Terminal	Super Critical	34.71	12.07	22.64	Mar-23
8	ECoR	Chipurupalli - Conversion of L4 into longer loop with common loop status for python trains	Longer Loop	Super Critical	8.26	6.29	1.97	Dec-21
9	ECoR	Handapa - Longer loop for long haul train operation	Longer Loop	Super Critical	7.02	1.48	5.54	Dec-20
10	ECoR	Sompeta-Baruva-Mandasa Road - Provision of intermediate block signalling.	IBS	Super Critical	8.29	2.78	5.51	Mar-21
11	ECoR	Gopalapatnam- Vizianagaram - Provision of auto signalling incl. Simhachalam bypass line.	Auto Signalling	Super Critical	61.12	12.49	48.63	Mar-22
12	ECoR	Muniguda - Doikallu - Intermediate block signal .	IBS	Super Critical	3.46	1.95	1.51	Mar-21
13	ECR	Bakhtiyarpur - Fly-over, Bakhtiyarpur - Barh - 3rd line & surface triangle between Bakhtiyarpur - Rajgir line and Athmalgola - Bakhtiyarpur up line	Flyover	Super Critical	237.5	229.7	7.8	Mar-22
14	ECR	Mughalsarai - 24-coach platforms on all lines, direct reception of goods in up departure line at speed of 75 kmph	Coaching Facility	Super Critical	16.12	11.44	4.68	Dec-21
15	ECR	Barauni - Improvement of traffic facilities at bye pass station	Byepass	Super Critical	57.19	0	57.19	Oct-21
16	ER	New Garia - New rail terminal station between Sealdah & Sonarpur.	Satellite Terminal	Super Critical	33.72	2.19	31.53	Mar-21
17	NR	Lucknow-Moradabad : 8 IBS on Kakori- Alamnagar, Dalel Nagar-Balamau, Balamau-Baghuli, Hardoi-Kaurha, Aigwan-Kahilia, Pitamberpur-Rasuiya, Nararia-Milak and Munda Panday- Rampur	IBS	Super Critical	17.49	12.3	5.19	Dec-20
18	NR	Lucknow-Saharanpur - Addl directional up & down loops (17 Nos)	Loop	Super Critical	91.47	48.67	42.8	Mar-22
19	NR	Panipat-Subzimandi - Automatic signalling	Auto Signalling	Super Critical	40.32	32.94	7.38	Dec-22
20	NR	Pilkhuwa-Dasna - New crossing station	crossing station	Super Critical	13.81	0	13.81	Mar-22
21	NR	Mughalsarai - Lucknow - Moradabad – Ambala- Jalandhar - Amritsar (1150 km) - Longer loops	Longer Loop	Super Critical	309.68	0	309.68	Dec-22
22	NR	Varanasi - Yard remodelling work (Phase-II)	Yard Remodelling	Super Critical	568.07	121	447.07	Jun-22
23	NR	Chheharta - Development of coaching cum maintenance facilities	Coaching Facility	Super Critical	63.26	30.7	32.56	Feb-21
24	NR	Haridwar-Dehradun Section - Development of Facilities for running of 18 coach Trains.	Coaching Facility	Super Critical	128.54	71.18	57.36	Dec-20
25	NR	Tilak Bridge, Subzi Mandi, Sarai Rohilla, Shakurbasti, Ghaziabad, Nizamuddin & Tughlakabad - Development of addl. train handling facilities	Coaching Facility	Super Critical	180.91	111.72	69.19	Jun-21
26	NR	Bijwasan - Provision of Coaching/Freight handling Terminal.	Satellite Terminal	Super Critical	412.68	65.74	346.94	Mar-24
27	NR	Shakurbasti - Coaching terminal in metre gauge area	Satellite Terminal	Super Critical	254.58	106.96	147.62	Dec-21
28	NR	Lucknow-Kanpur - Addl loop line (3 stations)	Addl. Loop	Super Critical	32.25	0.5	31.75	Dec-21
29	NR	Manak Nagar - Addl loop	Addl. Loop	Super Critical	33	6	27	Dec-21
30	NR	Patel Nagar - Yard modification & upgradation of signalling gears	Yard Remodelling	Super Critical	39.56	6.87	32.69	Jul-21
31	NR	Lucknow four line entry and exit with yard remodelling	Yard Remodelling	Super Critical	94.98	10.07	84.91	Jul-22
32	NR	Pratapgarh - Yard remodeling	Yard Remodelling	Super Critical	43.73	5.78	37.95	Dec-21
33	NR	Raebareli - Yard remodelling	Yard Remodelling	Super Critical	48.52	0.41	48.11	Jun-21

PRIORITY TRAFFIC FACILITIES WORKS								Traffic Facilities
S.No.	Rly	Name of the Work	Category of Work	Priority of Project	Anticipated cost (Cr)	Expenditure Upto Mar 20 (Cr)	Throw forward as on 01.04.20 (Cr)	Target date of Completion
34	NR	Anand Vihar - Development of new terminal and provision of 3 cross overs between 3rd & 4th line and GAL (Phse-II)	Satellite Terminal	Super Critical	163.72	160.82	2.9	Mar-21
35	NCR	Achnera - Bypass line connecting Parkham (Mathura-Achnera route) to Chiksana (Agra Fort-Bandikui route)	Byepass	Super Critical	11.17	5.39	5.78	Mar-22
36	NCR	Mathura Jn - Yard remodeling & flyover at Bhuteshwar	Yard Remodelling	Super Critical	327.23	49.77	277.46	Mar-24
37	NER	Aishbagh-Manaknagar - Independent bypass line	Byepass	Super Critical	81.53	0	81.53	Dec-22
38	NER	Gorakhpur Cantt. - Remodelling of station for developing as satellite terminal	Coaching Facility	Super Critical	24.64	14.46	10.18	Dec-21
39	NER	Aishbagh - Development into satellite terminal station	Satellite Terminal	Super Critical	10.35	1.18	9.17	Dec-21
40	NER	Varanasi City - Home platform, track etc. & shunting neck for coaching facilities in connection with development of satellite station	Satellite Terminal	Super Critical	9.99	3.13	6.86	Mar-21
41	NER	Gomtinagar - New terminal station	Satellite Terminal	Super Critical	175.3	113.7	61.6	Feb-21
42	NWR	Rewari- Khatuwas Doubling	Traffic Facilities	Super Critical	342	0	342	Mar-24
43	SR	Kochuveli (KCVL): Augmentation of coaching facilities (2 PF & 1 stabling line)	Traffic Facilities	Super Critical	38.68		38.68	Sep-21
44	SR	IBS between Kanjikode & Walayar	Traffic Facilities	Super Critical	4.13		4.13	Jun-21
45	SCR	Motumari - Bypass with overhead alignment towards Jaggayapet branch line at Kazipet end Kazipet - Vijayawada section	Byepass	Super Critical	40.69	19.75	20.94	Dec-21
46	SCR	Tirupati - Development of entry from southern side	Coaching Facility	Super Critical	77.29	38.56	38.73	Mar-22
47	SCR	Charlapalli - Development of satellite terminal	Satellite Terminal	Super Critical	221.15	1.22	219.93	Jun-22
48	SCR	Rajahmundry Modification of RJY yard.	Yard Remodelling	Super Critical	36.68	17.18	19.5	Jun-21
49	SECR	Yard Modification of Korba.	Traffic Facilities	Super Critical	48.76		48.76	Mar-24
50	SECR	Provision of 3 IBS in Boridand-Surajpur Section	Traffic Facilities	Super Critical	9.28		9.28	Dec-22
51	SECR	Auto Signalling in Champa-Korba section	Traffic Facilities	Super Critical	34.59	0	34.59	Jun-22
52	SER	Provision of Automatic Block Signalling arrangement in Up and Dn lines in RNC-TIS-RNC i.e. RNC-NKM-TIS and TIS-NKM-RNC block sections of Ranchi Division.	Auto Signalling	Super Critical	18.34	6.46	11.88	Mar-21
53	SER	Santragachi - Island platform between 1st loop & R3 by dismantling R1 & R2 with common loop signalling facility	Coaching Facility	Super Critical	32.7	13.68	19.02	Sep-22
54	SER	Shalimar- Development of coaching terminal by provision of essential passenger amenities.	Coaching Facility	Super Critical	558.3	177.3	381	Dec-22
55	SER	Tikiapara - Santaragachi - Direct connectivity for 4th line with Howrah yard (platform Nos 17-23)	Multi Tracking	Super Critical	23.61	0.54	23.07	Jun-22
56	SER	Sankrail - Freight terminal	Freight terminal	Super Critical	151.6	103.6	48	Dec-21
57	SER	Ranital : Provision of extra loops in UP direction (Common Loop) & DN direction with reception and dispatch facility.	Addl. Loop	Super Critical	26.24	3.82	22.42	Mar-21
58	SER	Santragachi-Development of circulating area, essential Passenger Amenities & road connectivity with Kona expressway.	Coaching Facility	Super Critical	445.7	279.66	166.04	Sep-22
59	SWR	Bangalore Division - 3rd coaching terminal at Baiyyappannahalli	Satellite Terminal	Super Critical	314	131	183	Feb-21
60	WR	Vadodara Yard:-Segregation of Ahmedabad and Godhra.	Yard Remodelling	Super Critical	26.61	19.42	7.19	Dec-20
61	WR	Sabarmati- Providing for left over facilities for operationalization of Sabarmati Coaching Terminal.	Coaching facility	Super Critical	40.75	20.97	19.78	Mar-21
62	WR	Chharodi – Provision of additional loop line with electrification	Traffic Facilities	Super Critical	13.61	0	13.61	Dec-21
63	WR	Vadodara Station – Increasing speed from 15 kmph to 50 kmph on Main line at BRCP	Traffic Facilities	Super Critical	13.38	0	13.38	Dec-21
64	WCR	Itarsi - North South grade separator/ fly over with yard remodelling	Flyover	Super Critical	146.64	90.33	56.31	Jun-21
		Total	64	Super Critical	6773	2307	4466	

PRIORITY TRAFFIC FACILITIES WORKS								Traffic Facilities
S.No.	Rly	Name of the Work	Category of Work	Priority of Project	Anticipated cost (Cr)	Expenditure Upto Mar 20 (Cr)	Throw forward as on 01.04.20 (Cr)	Target date of Completion
Critical Traffic facilities Projects								
1	CR	Chatrapati Shivaji Terminus Mumbai - Extn. of platform Nos 10,11,12 & 13 for 24 coaches	Coaching Facility	Super Critical	62.43	12.23	50.2	Mar-23
2	CR	Kamshet~Shifting of turnout and crossover at KMST for increasing CSL	Traffic Facilities	Critical	3.64	1.2	2.44	Dec-20
3	CR	Godhani-Nagpur-Khapri - Automatic block signalling system replacing absolute block system	Traffic Facilities	Critical	31.22	15.19	16.03	Dec-20
4	ECoR	Lanjigarh Road - Add loop line with common loop facility	Addl. Loop	Critical	7.74	5.01	2.73	Mar-22
5	EcoR	TLHR- Provision of a Block Cabin with signaling arrangement on the proposed lead line of M/s Global Coal & Mining Ltd siding taking off from Talcher Station in between TLHR & TLSB Cabin for formation of Long Haul Trains	Longer Loop	Critical	6.47	3.25	3.22	Mar-22
6	NR	Rohtak-Samar Gopalpur, Jind-Barsola & Jakhal-Bareta - Intermediate block sections adjacent to jn stations towards longer block sections	IBS	Critical	5.96	0.883	5.077	Mar-21
7	NR	Delhi-Ambala - Removal of permanent speed restriction & shifting of turnouts (4 stations)	RPSR	Critical	5	0	5	Sep-21
8	NR	Jammu - Second entry in c/w development of coaching terminal	Coaching Facility	Critical	222.91	10.42	212.49	Mar-24
9	NR	Bari Brahman - Development of satellite of freight goods terminal	Freight Terminal	Critical	69.19	24.05	45.14	Mar-22
10	NR	Salarpur yard-Development of freight terminal	Yard Remodelling	Critical	153.92	0	153.92	Jun-23
11	NR	Holambi Kalan-Acquisition of land for freight & Coaching terminal	Development of freight & coaching terminal	Critical	800	456	344	Mar-24
12	NR	Kalka. - Yard remodeling for Provision of one additional BG Platform Along with Provision of Central Panel.	Yard remodeling	Critical	15.31	10.8	4.51	Mar-21
13	NCR	Aligarh-Ghaziabad – Automatic signaling in place of absolute block working on up line in connection with 3 rd line.	Automatic signaling	Critical	109.79	34.95	74.84	Jun-22
14	NCR	Aligarh-Ghaziabad – Bidirectional automatic signaling on middle line in connection with 3 rd line.	Automatic signaling	Critical	90.07	28.81	61.26	Jun-22
15	NER	Provision of 2nd distant signals & 3rd line crossing at two stations	Traffic Facilities	Critical	100	6	94	Feb-23
16	NER	Tikri - Conversion of halt station into 3-line crossing station (28.65 km) (between Mankapur - Katra 28.65Km section).	Crossing Station	Critical	10.72	1.98	8.74	Mar-21
17	NWR	Jaipur - Ajmer - Intermediate block signal (8 Nos) in between ARNA-BAK,BWL-AIA, AWR-PSL,PSL-KRH,NRI-SK,SK-GLTA,KKU-DNK,DNK-BOBS block section in RE-JP-MD Section on Jaipur Division.	IBS	Critical	16.5	5.54	10.96	Mar-22
18	NWR	Khatipura - Development of new terminal facility as satellite station to Jaipur	Coaching Facility	Critical	187.39	32.44	154.95	Dec-21
19	SR	Mangalore Central Additional PF Line	Coaching Facility	Critical	6.66	0	6.66	Mar-22
20	SR	Mangalore Central (MAQ): Provision of new 24 coach pit line of CAMTEC standards in lieu of existing 18 coach pit line (UW: 2019-20) & Ullal (ULL): Provision of additional loop on up line as common loop with PF and FOB	Traffic Facilities	Critical	7.29		7.29	Mar-22
21	SR	Tirupattur (TPT): Provision of additional loop on Up line with PF & FOB	Traffic Facilities	Critical	9.49		9.49	Dec-21
22	SCR	Tiruchanur - Conversion of C class station as B class station with loop line on Up and Dn lines with high level platform	Crossing Station	Critical	56.39	14.93	41.46	Mar-21
23	SCR	Renigunta - Mamanduru & Mamanduru - Balapalle - IB signals on up & down lines	IBS	Critical	6.05	4.37	1.68	May-21
24	SCR	Vijayawada - Duvvada - IB stop signals (5 Nos)	IBS	Critical	12.13	8.43	3.7	Sep-21
25	SECR	Twin Single Line in Khodri-Khongsara Section	Traffic Facilities	Critical	3.43	0	3.43	Sep-21
26	SER	Sankrail-Santragachi - Link line (14.5 km) via flyover from down side to up side	Flyover	Critical	421.18	216.03	205.15	Jun-22
27	SWR	Naganahalli - Development of satellite terminal	Satellite Terminal	Critical	789.29	0	789.29	Mar-24
28	WR	Andheri-Virar - Extension of suburban platforms for running 15-car services on slow corridor	Coaching Facility	Critical	59.56	42.85	16.71	Oct-20

PRIORITY TRAFFIC FACILITIES WORKS								Traffic Facilities
S.No.	Rly	Name of the Work	Category of Work	Priority of Project	Anticipated cost (Cr)	Expenditure Upto Mar 20 (Cr)	Throw forward as on 01.04.20 (Cr)	Target date of Completion
29	WR	Ahmedabad-Sanand section – Provision of automatic Signalling	Traffic Facilities	Critical	16.8	0	16.8	Mar-22
30	WCR	Bansa Pahar - Additional loop to accommodate long haul trains	Longer Loop	Critical	10.71	3.41	7.3	Mar-21
31	WCR	Gangapur City-Mathura - Removal of permanent speed restriction of 90 kmph at 1093/1 to 1093/28	RPSR	Critical	7.9	3.5	4.4	Mar-21
		Total	31	Critical	3305	942	2363	
Essential Traffic Facilities Works								
1	CR	Ajni - Development as satellite terminal	Terminal facility	Essential	45.33	4.9	40.43	Dec-21
2	ECR	Patna Saheb - Addl. platform	Coaching Facility	Essential	3	0	3	Dec-20
3	ECR	Pawapuri Road-Silao - Crossing stations	Crossing Station	Essential	8.38	2.72	5.66	Mar-21
4	ER	Andal-Sainthia - Broad gauge bypass line with direct connection from quadruple line to branch line	Byepass	Essential	97.54	6.75	90.79	Two years after land acquisition
5	ER	Howrah - Extension of platform No.10-11 & 12-13 for accommodating longer length train	Coaching Facility	Essential	17.6	0.37	17.23	Mar-24
6	NCR	Kitham & Ghosrana- Provision of longer loop lines at Kitham station (Mathura- Agra) and at Ghosrana station (AF-BKI) for running of Pythons	Longer loop	Essential	8.92	7.32	1.6	Feb-21
7	NCR	Development of Subedarganj Station as a Satellite station (Umbrella work)	Coaching Facility	Essential	44.4	0	44.4	Mar-24
8	NCR	JHANSI Division : MANIKPUR - Provision of Up loop line at Manikpur and connecting of stabling line to Mainline and shunting neck at ALD end	Yard Remodelling	Essential	7.24	0.17	7.07	Jun-21
9	NER	Gonda Jn Yard - Bypass line (2 Nos).	Byepass	Essential	12.51	6.33	6.18	Dec-21
10	NER	Chhapra - 2nd entry, 2nd home platform, island platform, 3 new tracks & one stabling line etc.	Coaching Facility	Essential	24.62	0	24.62	Dec-21
11	NWR	Rewari-Sadulpur - Bypass line	Bye pass	Essential	75	37.53	37.47	Dec-21
12	SCR	Vijayawada - Gudur (295 km) - Longer loop	Longer Loop	Essential	30	14.22	15.78	Mar-21
13	SCR	Visakhapatnam - Vijayawada (350 km) - Longer loop	Longer Loop	Essential	47.2	21.92	25.28	Jun-21
14	SECR	lb - Fly-over	Flyover	Essential	445.46	7.08	438.38	Jun-23
15	WCR	Jabalpur Division - Intermediate block sections (11 Nos)	IBS	Essential	29.61	24.58	5.03	Dec-20
16	WCR	Mason Gaon & Bhairon Pur - Conversion of C- class stations into intermediate block sections	IBS	Essential	6.69	2.71	3.98	Dec-21
17	WCR	Satna-Manikpur - Extn. of up loop lines at Sagma station to accommodate long haul	Longer Loop	Essential	5.32	0.93	4.39	Mar-21
18	WCR	Madan Mahal-Howbagh - Development of Madan Mahal station as coaching terminal & Howbagh station as coaching complex	Satellite Terminal	Essential	136	11.04	124.96	Mar-24
19	WCR	Itarsi-Khandwa - (KKN-BRI , TBN-PGL , SGBJ-CKKD and KKN DRHI TLV-SGBJ - &CAER-BRUD - 6) Intermediate Block sections to split the lengthier block sections	IBS	Essential	26.17	10.89	15.28	Jun-21
		Total	19	Essential	1071	159	912	
		Grand Total	114		11149	3408	7741	

Zone wise Priority List of On-going RE Works

Railway
Electrification

S.No.	Plan Head	Railway	Section	RKM	Commissioned RKM	Balance RKM
1	RE	CR	Jasai - Jawaharlal Nehru Port Trust	9	0	9
2	RE	CR	Pune-Miraj-Kolhapur	326	82	244
3	RE	CR	Lonand-Phaltan	26	0	26
4	DL	CR	Pune-Wadi-Guntakal	641	372	269
5	RE	CR	Miraj-Kurduwadi-Latur	377	62	315
6	RE	ECOR	Khurda Road - Balangir	96	0	96
7	RE	ECR	Dauramadhepura-Purnia	77	0	77
8	RE	ECR	Koderma - Hazaribagh - Barkakana - Ranchi	203	166	37
9	RE	ECR	Giridih-Nawadih-Koderma	114	103	11
10	RE	ECR	Raxaul-Sitamarhi-Darbhanga-Samastipur	231	38	193
11	RE	ECR & NFR	Barauni-Katihar-Guwahati incl Katihar-Barsoi	836	423	413
12	RE	ER	Rampurhat-Dumka, Bhagalpur-Dumka Incl BHLB-BAKA, JSME-DUMK Incl DGHR-BAKA incl. MDP-GRD	361	0	361
13	RE	ER	Katwa-Azimganj-Nalhati & Azimganj-Tildanga/New Farakka incl. Nalhati & Azimganj bypass line	200	140	60
14	SPV	KRCL	Roha-Thokur	739	109	630
15	RE	NCR	Mahoba-Udaipura	196	0	196
16	RE	NCR	Bhandai-Udi	113	0	113
17	RE	NCR	Birlanagar-Etawah	115	0	115
18	RE	NCR	Shikohabad-Farrukhabad	158	0	158
19	RE	NCR	Barhan-Etah	59	0	59
20	RE	NER	Gonda- Bahraich	60	0	60
21	RE	NER	Moradabad-Kashipur-Ramnagar, Rampur-Lalkua-Kathgodam incl. Lalkua-Kashipur and Bareilly-Lalkua	309	0	309
22	RE	NER	Shahanjahanpur-Pilibhit, Pilibhit-Tanakpur	145	0	145
23	RE	NER	Salempur-Barhaj Bazar exisiting BG line	20	0	20
24	RE	NER	Gorakhpur-Anand Nagar-Gonda & Anand Nagar-Nautanwa	262	0	262
25	RE	NER	Kasganj-Bareilly, Bhojipura-Daliganj	401	187	214
26	DL	NER	Phephna-Indara, Mau-Shahganj	150	0	150
27	RE	NER	Duraundha-Maharajganj-Masrakh	41	0	41
28	RE	NER	Mandhana Jn-Brahmavard	8	0	8
29	RE	NFR	Lumding-Badarpur single line	172	0	172
30	RE	NFR	Katihar-Teznanayanpur, Barsoi-Radhikapur & Eklakhi-Balurghat single line	176	0	176

Zone wise Priority List of On-going RE Works

Railway
Electrification

S.No.	Plan Head	Railway	Section	RKM	Commissioned RKM	Balance RKM
31	RE	NFR	Katihar – Jogbani single line	109	0	109
32	RE	NFR	Badarpur-Silchar incl. Arunachal-Jiribam & Katkhal-Bhairabi & Badarpur-Karimganj-Agartala-Sabroom-incl. Agartala-Akhaura & KARimganj-Mahishashan single line	590	0	590
33	RE	NFR	Rangiya Jn.- Rangapara- Harmuty - Naharlagun including branch lines	339	0	339
34	RE	NFR	Mariani-Jorhat town-Furkating & Tinsukia Jn -Makum-Tirap & Makum-Dangri single line	174	0	174
35	RE	NFR	Chaparmukh-Silghat Town incl. Senchoa Jn-Mairabari single line	130	0	130
36	RE	NFR	New Bongaigaon-Goalpara-Kamakhya	175	0	175
37	RE	NFR	Guwahati-Dibrugarh via Tinsukia and Simaluguri-Dibrugarh	661	0	661
38	RE	NFR	Raninagar– Haldibari single line	34	0	34
39	RE	NFR	New Jalpaigudi-New Mal Jn-Alipurduar-Samuktala and Alipurduar-New Coochbehar incl. New Mal Jn- Changrabandha, New Changrabandha- New Coochbehar, New Coochbehar – Bamanhat, New Coochbehar –Fakiragram-Dhubri	506	0	506
40	RE	NFR	Harmuty - Murkongselek including branch line	230	0	230
41	RE	NFR	Aluabari-Siliguri via Bagdogra	76	0	76
42	RE	NR	Amb Andaura-Talwara	40	0	40
43	RE	NR	Phaphamau-Pratapgarh	46	0	46
44	RE	NR	Raebareli-Unchahar incl. Dalmau-Daryapur	63	0	63
45	RE	NR	Bathinda Jn. - Abohar-Sri Ganganagar	125	0	125
46	RE	NR	Batala Jn. - Qadian	19	0	19
47	RE	NR	Taran Taran - Patti - Khemkaran	54	0	54
48	RE	NR	Verka Jn. - Dera Baba Nanak	45	0	45
49	RE	NR	Akbarpur-Faizabad-Barabanki	161	0	161
50	RE	NR	Bhatinda-Firozpur-Jalandhar City Incl. Lohian Khas-Nakodar-Phillaur & Nakodar-Jalandhar	301	0	301
51	RE	NR	Jalandhar City - Hoshiarpur	38	0	38
52	RE	NR	Sonipat- Gohana- Jind	86	0	86
53	RE	NR	Bareilly-Chandausi-Harduaganj incl. Chandausi-Moradabad	199	88	111
54	RE	NR	Unnao-Balamau-Sitapur	162	0	162
55	RE	NR	Garhi Harsaru-Farukhnagar	12	0	12
56	RE	NR	Noli-Tapri	143	0	143
57	NL	NR	Katra-Banihal-Qazigund-Baramulla	262	0	262

Zone wise Priority List of On-going RE Works

Railway
Electrification

S.No.	Plan Head	Railway	Section	RKM	Commissioned RKM	Balance RKM
58	RE	NR	Phagwara Jn. - Nawanshahar Doaba-Jaijon Doaba incl. Nawanshahar-Rahon	74	0	74
59	RE	NR	Faizabad - Sultanpur-Chilbila	94	0	94
60	RE	NR	Janghai-Zafrabad	47	0	47
61	RE	NR	Ludhiana - Ferozpur City - Hussainiwala including Ferozpur City – Fazilka - Abohar & Kotkapura - Fazilka	339	0	339
62	RE	NR	Raja Ka Sahaspur-Sambhal Hatim Sarai	23	0	23
63	RE	NR, NWR & WR	Delhi Sarai Rohilla - Rewari - Palanpur - Ahmedabad, incl. Kalol - Gandhinagar - Khodiyar and Alwar - Bandikui - Jaipur - Phulera	1087	914	173
64	RE	NWR	Sadulpur-Ratangarh-Bikaner Lalgarh incl. Ratangarh Sardarshahar	286	0	286
65	RE	NWR	Hissar - Bhatinda - Suratgarh/Suratgarh Thermal Power Station	328	318	10
66	RE	NWR	Sawai Madhopur-Jaipur-Ringas	188	106	82
67	RE	NWR	Suratgarh-Phalodi--Bhildi incl. Phalodi-Jaisalmer (902 rkm)	902	0	902
68	RE	NWR	Thiyat Hamira-Sanu incl. Pipar Road-Bilara,Makrana-Parbatsar and Merta Rd-Merta city	136	0	136
69	RE	NWR	Ringas-Sikar-Churu	140	0	140
70	RE	NWR	Rewari-Sadulpur-Hanumangarh	320	139	181
71	RE	NWR	Degana - Ratangarh	143	0	143
72	RE	NWR	Hisar-Suratpura	65	0	65
73	RE	NWR	Sikar-Loharu	122	0	122
74	RE	NWR	Samdari - Barmer-Munabao	250	0	250
75	RE	NWR	Hanumangarh-Sriganganagar-Sarupsar-Suratgarh incl Sarupsar-Anupgarh	281	0	281
76	RE	NWR	Luni-Marwar	72	0	72
77	RE	NWR	Madar-Pushkar	26	0	26
78	RE	NWR	Bikaner-Merta-Jodhpur and Merta-Phulera	424	0	424
79	RE	SCR	Purna-Akola	209	0	209
80	DL	SCR	Umdanagar (Secunderabad)-Mahabubnagar	84	0	84
81	RE	SCR	Manmad - Mudkhed - Dhone excl. Umdanagar-Mehboobnagar	783	0	783
82	RE	SCR	Dharamavaram-Pakala	228	0	228
83	DL	SCR	Vijaywada-Gudiwada-Machilipatnam & Bhimavaram-Nidadavolu	221	0	221
84	RE	SCR	Gadwal-Raichur	57	0	57
85	RE	SCR	Nandyal-Yerraguntla	123	0	123
86	RE	SCR	Tenali-Repale	34	0	34

Zone wise Priority List of On-going RE Works

Railway
Electrification

S.No.	Plan Head	Railway	Section	RKM	Commissioned RKM	Balance RKM
87	RE	SCR	Pimpalkutti-Mudkhed & Prarbhani -Parli Vajjnath	246	0	246
88	RE	SCR	Lingempet Jagtiyal-Nizamabad	95	0	95
89	RE	SCR	Parli Vajjnath – Vikarabad	269	0	269
90	RE	SECR	Chhindwara-Nainpur-Mandala Fort	183	19	164
91	RE	SECR	Balaghat-Katangi	47	0	47
92	RE	SECR	Gondia-Nainpur-Jabalpur	229	208	21
93	NL	SECR	Kharsia-Korichhapar-Dharamjaygarh	43	43	0
94	RE	SECR	Marauda- Dallirajhara	76	0	76
95	RE	SECR	Tirodi-Katangi	15	0	15
96	RE	SECR	Tumsar Road - Tirodi	47	0	47
97	RE	SER	Bankura-Mashagram	118	40	78
98	RE	SER	Tata-Badampahar	89	0	89
99	RE	SER	Rupsa-Bangriposi	89	0	89
100	RE	SR	Villupuram-Cuddalore Port-Mayiladuturai- Thanjavur & Mayiladuturai-Thiruvarur	228	163	65
101	RE	SR	Kollam-Punalur	44	0	44
102	RE	SR	Shoranur-Mangalore-Penambur	328	319	9
103	RE	SR	Pollachi-Podanur	40	0	40
104	RE	SR	Dindigul-Palghat	179	0	179
105	RE	SR	Tiruchchirapalli-Manamadurai-Virudunagar	217	0	217
106	RE	SR	Salem-Vridachalam-Cuddalore Port	196	0	196
107	RE	SR	Virudunagar - Tenkasi Jn	122	0	122
108	RE	SR	Tiruchchirappalli - Nagapattinam - Karaikkal Port	153	144	9
109	RE	SR	Sengottai- Tenkasi Jn. - Tirunelveli-Tiruchendur	141	0	141
110	RE	SR	Madurai - Manamadurai Jn.-Rameswaram	161	0	161
111	RE	SR	Shoranur-Nilambur	66	0	66
112	RE	SWR	Hospet - Hubli - Vasco da Gama	346	72	274
113	RE	SWR	Miraj-Londa	189	0	189
114	RE	SWR	Birur-Talguppa	161	0	161
115	RE	SWR	Bengaluru-Omalur via Hosur	196	35	161
116	RE	SWR	Hospet-Swamihalli	59	0	59
117	RE	SWR	Mysuru- Hassan-Mangalore incl. Arsikere -Hassan	347	0	347
118	RE	SWR	Mysuru-Chamarajanagar	61	0	61
119	RE	SWR	Chikbanavar-Hasan	166	0	166
120	RE	SWR	Kadur-Chikmagalur	46	0	46

Zone wise Priority List of On-going RE Works

Railway
Electrification

S.No.	Plan Head	Railway	Section	RKM	Commissioned RKM	Balance RKM
121	RE	SWR	Chikjajur-Bellary	184	102	82
122	RE	SWR	Bangarpet-Yelehanka	149	0	149
123	RE	SWR	Chikbanavar-Hubballi	456	0	456
124	RE	SWR	Gadag-Hotgi	284	0	284
125	RE	WCR	Guna-Gwalior	227	101	126
126	RE	WCR & WR	Ratlam - Nimach - Chanderia - Kota	348	258	90
127	SPV	WR	Surendranagar-Pipavav	271	119	152
128	RE	WR	Mahesana- Patan-Bildi	91	0	91
129	RE	WR	Dhola- Bhavnagar with Sihor Jn.- Palitana & Rajula Road Jn- Mahuva	119	0	119
130	RE	WR	Mehsana-Viramgam-Samakhiyali	292	67	225
131	RE	WR	Ahmedabad-Rajkot	233	129	104
132	RE	WR	Mhow-Khandawa	138	46	92
133	SPV	WR	Palanpur-Samakhiyali	247	0	247
134	RE	WR	Adipur- New Bhuj	49	0	49
135	RE	WR	Kanalus-Wansjalia-Porbandar	103	0	103
136	RE	WR	Anand- Khambhat	52	0	52
137	RE	WR	Wankaner-Dahinsara-Maliya Miyana & Surendranagar-Dhrangandhra	132	31	101
138	RE	WR	Jhund-Kharagoda	23	0	23
139	RE	WR	Ankleshwar - Rajpipla	63	0	63
140	RE	WR	Rajkot-Jetalsar-Verval-Somnath with Jetalsar-Wansjalia	278	0	278
141	RE	WR	Vasad- Kathana	43	0	43
142	RE	WR	Nadiad- Modasa	105	0	105
143	RE	WR	Rajkot-Sikka-Okha	271	72	199
144	RE	WR	Kanjari Boriyavi- Vadtal	6	0	6
145	RE	WR	Vishvamitri - Pratap Nagar -Chhota udepur	102	0	102
146	RE	WR	Samakhiyali-Gandhidham-Kandla Port-Mundra Port	77	0	77
Total				27822	5215	22607

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
1	CR	33	2003-2004	Pune-Lonavla - Continuous track circuiting with automatic block signalling (63.83 km) (B-route)	RRSK	40	37	4
2	CR	33	2017-2018	Kamshet-Pune - Track side equipment of auxiliary warning system	RRSK	9	4	4
3	CR	33	2017-2018	Nagpur Division - Block proving by axle counter (A-route)	RRSK	26	16	10
4	CR	33	2019-20	Centralized Traffic Control system on 7 divisions over Zonal Railways (CR, NR, NCR & WR) (Umbrella work/Supl./2019-20)	RRSK	337	0	337
5	CR	33	2020-21	Central Railway - Provision of centralised control system with electronic interlocking / interfaces and block optimisation system (automatic block signalling) in connection with modern train control system on Golden Quadrilateral / Diagonal routes (670 rkm) (Umbrella Work 2020-21)	Cap.	490	0	490
6	CR	33	2013-2014	Mumbai Division - Digital axle counter for track circuits in water logged area / critical locations	RRSK	20	16	4
7	CR	33	2018-2019	Igatpuri-Khandwa - Digital axle counters in vulnerable graded intermediate block sections	RRSK	23	4	19
8	CR	33	2015-2016	Thane-Kalyan - DAC for track circuits in water logged area/critical locations	RRSK	8	7	1
9	CR	33	2016-2017	Ambarnath - Badlapur - Multi section digital axle counter system (MSDAC)	RRSK	7	6	2
10	CR	33	2016-2017	Kurla- Vashi - MSDAC - Digital axle counters for vulnerable track circuits	RRSK	14	11	4
11	CR	33	2018-2019	Nagpur Division - Digital axle counters in vulnerable graded 7 intermediate block huts	RRSK	7	5	2
12	CR	33	2019-20	Central Railway - Reliability improvement and selective repl of signalling items (Umbrella Work 2019-20)	RRSK	97	0	97
13	CR	33	2019-20	Central Railway - Safety enhancement through signalling system (Umbrella Work 2019-20)	RRSK	31	0	31

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
14	CR	33	2018-2019	Provision of Modern Train Control System incl Long Term Evaluation based Mobile Train Radio Communication system, connected electronic interlocking (indoor), train detection system for block section, remote diagnostics & predictive maintenance system, misc buildings & associated works etc for 175 rkm on Mumbai-Howrah section (Supl.No.21/December 2018)	RRSK	457	11	445
15	CR	33	2020-21	Central Railway – Provision of modern train control system on Golden Quadrilateral / Diagonal routes (670 rkm) (Umbrella Work 2020-21)	Cap.	490	0	490
16	CR	33	2020-21	Central Railway – Provision of long term evolution based mobile train radio equipment at Golden Quadrilateral / Diagonal routes (1854 rkm) (Umbrella Work 2020-21)	Cap.	371	0	371
17	CR	33	2020-21	Central Railway – Provision of long term evolution system on low density railway network in connection with train collision avoidance system (1563 rkm) (Umbrella Work 2020-21)	Cap.	313	0	313
18	CR	33	2018-2019	Bhusawal Division - Elimination of mechanical signalling gears of goods yard (6 cabins) and Badnera Yard (2 cabins)	RRSK	25	8	17
19	CR	33	2018-2019	Titoli & Trombay - Elimination of mechanical signaling of A&B-cabins	RRSK	24	8	17
20	CR	33	2018-2019	Loni - Elimination of mechanical signaling gears with distributed electronic interlocking system	RRSK	11	4	6
21	CR	33	2013-2014	Igatpuri (Route Relay Interlocking) - Repl. of gears with new interlocking	RRSK	20	18	2
22	CR	33	2013-2014	Karjat (Route Relay Interlocking) - Repl. of outdoor gears with new interlocking	RRSK	16	10	6
23	CR	33	2015-2016	Bhusawal Division - Repl. of panel & signaling gears with centralized operation of points & signals with panel interlocking (route setting type) (3 stations)	RRSK	14	11	3

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
24	CR	33	2018-2019	Bhusawal Division - Repl of signalling gears of 7 intermediate block huts	RRSK	20	3	17
25	CR	33	2018-2019	Burhanpur, Mandwa & Dongargaon - Repl of panel & signaling gears	RRSK	24	17	7
26	CR	33	2012-2013	Dadar & Parel (Route Relay Interlocking) - Repl. of signalling gears	RRSK	15	11	4
27	CR	33	2015-2016	Kalyan - Repl. of signalling gears of route relay interlocking with centralised operations of points & signals (A-route)	RRSK	34	18	16
28	CR	33	2016-2017	Lonavla - Repl. of signalling gears at RRI & repl. of Goods Cabin	RRSK	31	17	14
29	CR	33	2016-2017	Titwala - Repl. of signalling gears of Titwala PI with centralized operations of points and signals	RRSK	15	12	3
30	CR	33	2017-2018	Chhatrapati Shivaji Terminus - Chunabhatti - Repl of signaling gears in automatic section	RRSK	32	10	21
31	CR	33	2018-2019	Chhatrapati Shivaji Maharaj Terminus - Repl of signalling gears of route relay interlocking	RRSK	8	1	7
32	CR	33	2018-2019	Chhatrapati Shivaji Terminus - Panvel, Kurla-Kalyan & Kalyan-Igatpuri-Lonavala - Repl of motor type AC track circuits	RRSK	24	4	20
33	CR	33	2018-2019	Chhatrapati Shivaji Terminus-Kurla - Repl of motor type AC track circuits with DC track circuits	RRSK	23	2	21
34	CR	33	2018-2019	Mankhurd & Vashi - Repl of signalling gears	RRSK	20	0	19
35	CR	33	2019-20	Central Railway - Repl of overaged signalling assets in station sections and block sections (Umbrella Work 2019-20)	RRSK	86	0	86
36	CR	33	2020-21	Upgradation of signalling gears on Central Railway (Umbrella Work 2020-21)	Cap.	61	0	61
37	CR	33	2020-21	Central Railway – Provision of indigenous train collision avoidance system on low density railway network (1563 rkm) (Umbrella Work 2020-21)	Cap.	469	0	469

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
38	CR	33	2016-2017	Bhusawal -Badnera - Repl. of RE cable by 6-Quad cable	RRSK	18	12	6
39	CR	33	2018-2019	Bhusawal-Badnera-Khandwa-Igatpuri - Repl of optic fiber cable electronic equipment	RRSK	7	0	7
40	CR	33	2015-2016	Nagpur-Badnera & Wardha-Balharshah - Repl. of RE main cable with 6 quad cable in (309 rkm)	RRSK	21	10	10
41	CR	33	2019-20	Central Railway - Improvement of very high frequency (VHF) communication inside tunnel & repl of quad cable (Umbrella Work 2019-20)	RRSK	51	0	51
42	CR	33	2020-21	Replacement/provision of telecom assets with multiprotocol level switching / internet protocol based technology over Central Railway (Umbrella Work 2020-21)	RRSK	15	0	15
43	ECoR	33	2018-2019	Khurda road - Multi-section digital axle counter in coaching yard	RRSK	10	6	4
44	ECoR	33	2018-2019	Khurda road Division - Multi-section digital axle counter in Bhubaneswar station yard	RRSK	10	5	5
45	ECoR	33	2018-2019	Khurda Road-Palasa - Dual detection for improving reliability of block working	RRSK	10	6	4
46	ECoR	33	2018-2019	Waltair Division - LVCD & IBS axle counter in KK & main line intermediate block signalling & GIS mapping	RRSK	5	3	2
47	ECoR	33	2019-20	East Coast Railway - Reliability improvement and selective repl of signalling items (Umbrella Work 2019-20)	RRSK	60	0	60
48	ECoR	33	2019-20	East Coast Railway - Safety enhancement through signalling system (Umbrella Work 2019-20)	RRSK	30	0	30

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
49	ECoR	33	2018-2019	Provision of Modern Train Control System incl Long Term Evaluation based Mobile Train Radio Communication system, connected electronic interlocking (indoor), train detection system for block section, remote diagnostics & predictive maintenance system, misc buildings & associated works etc for 145 rkm on Howrah-Chennai Central section (Supl.No.23/December 2018)	RRSK	396	10	386
50	ECoR	33	2020-21	East Coast Railway - Provision of centralised control system with electronic interlocking / interfaces and block optimisation system (automatic block signalling) in connection with modern train control system on Golden Quadrilateral / Diagonal routes (483 rkm) (Umbrella Work 2020-21)	Cap.	362	0	362
51	ECoR	33	2020-21	East Coast Railway – Provision of modern train control system on Golden Quadrilateral / Diagonal routes (460 rkm) (Umbrella Work 2020-21)	Cap.	345	0	345
52	ECoR	33	2020-21	East Coast Railway – Provision of long term evolution system on low density railway network in connection with train collision avoidance system (1563 rkm) (Umbrella Work 2020-21)	Cap.	313	0	313
53	ECoR	33	2020-21	Provision of long term evolution based mobile train radio equipment at Golden Quadrilateral / Diagonal routes of East Coast, North Central and Southern Railways (894 rkm) (Umbrella Work 2020-21)	Cap.	179	0	179
54	ECoR	33	2018-2019	Waltair Division - Repl. of old signalling gears incl. lever frame at F-cabin, G-cabin & block hut	RRSK	24	2	22
55	ECoR	33	2018-2019	Waltair Division - Repl. of old signalling gears including lever frame (3 cabins)	RRSK	29	0	29
56	ECoR	33	2018-2019	Waltair Division - Repl. of old signalling gears including lever frame at I-cabin & J-cabin	RRSK	23	1	22

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
57	ECoR	33	2005-2006	Kottavalasa-Kirandul - Repl.of signalling gears by centralised operation of points & signals (6 stations)	RRSK	14	11	3
58	ECoR	33	2015-2016	Laxmipur, Kakriguma & Ambagaon - Repl. of signalling gears by centralised operation of points & signals	RRSK	23	15	8
59	ECoR	33	2018-2019	Waltair Division - Repl of old signalling gears including lever frame (3 cabins)	RRSK	26	1	26
60	ECoR	33	2020-21	Upgradation of signalling gears on East Coast Railway (Umbrella Work 2020-21)	RRSK	58	0	58
61	ECoR	33	2016-2017	Khurda Road division - Provision of class "A" protection at signaling and Telecommunication installations.	RRSK	3	1	2
62	ECoR	33	2017-2018	Khurda Road-Palasa - Repl of analog axle counter by conventional DC track circuit	RRSK	4	1	3
63	ECoR	33	2018-2019	Khurda Road Division - Smoke detection system & fire extinguisher equipment	RRSK	4	2	2
64	ECoR	33	2009-2010	Palasa-Duvvada - Appropriate lightening protection & improved earthing arrangements (main line) (B-route)	RRSK	6	3	3
65	ECoR	33	2020-21	East Coast Railway- Provision of indigenous train collision avoidance system on railway network (Umbrella Work 2020-21)	Cap.	469	0	469
66	ECoR	33	2020-21	East Coast Railway – Provision of indigenous train collision avoidance system on low density railway network (1563 rkm) (Umbrella Work 2020-21)	Cap.	469	0	469
67	ECoR	33	2013-2014	Khurda Road Division - Provision / repl of jelly filled 6-quad cable (0.9 mm dia) and accessories (300 km)	RRSK	17	5	12
68	ECoR	33	2018-2019	Laying of optic fibre cable and 6-quad cable in Parlakhemundi-Gunupur section of Waltair Divison (51 rkm)	RRSK	5	0	4
69	ECoR	33	2004-2005	Kottavalasa-Koraput - Optic fibre & 6-quad cable (190 km)	RRSK	17	16	2
70	ECoR	33	2016-2017	WALTAIR - Replacement of non Jelly filled 4 Quad Cable by Jelly filled 6 Quad Cable in Main Line and R.V.Line of Waltair divn total section 337 km	RRSK	9	5	4

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
71	ECoR	33	2019-20	East Coast Railway - Repl & upgradation of telecom assets (Umbrella Work 2019-20)	RRSK	10	0	10
72	ECoR	33	2020-21	Replacement/provision of telecom assets with multiprotocol level switching / internet protocol based technology over East Coast Railway (Umbrella Work 2020-21)	RRSK	4	0	4
73	ECoR	33	2018-2019	Khurda Division - Train management system (99 stations)	Cap.	77	6	71
74	ECR	33	2013-2014	Mughalsarai-Jhajha & Patna-Gaya - Universal fail safe block instruments for working of block circuits	RRSK	15	7	7
75	ECR	33	2015-2016	Dhanbad-Patratu & Garhwa Road-Chopan-Shaktinagar-Mahadiya - Universal fail safe block interface device (68 block sections)	RRSK	10	6	4
76	ECR	33	2013-2014	Jhajha-Kuchaman - Single section digital axle counters	RRSK	17	10	7
77	ECR	33	2018-2019	Barkakana-Garhwa Road-Chopan - High Availability single section digital axle counters (67 sets)	RRSK	14	3	12
78	ECR	33	2018-2019	Son Nagar-Garwa Road - High availability single section digital axle counter (15 block section)	RRSK	10	3	7
79	ECR	33	2015-2016	Sonpur Division - High availability single section in digital axle counters (40 block sections)	RRSK	10	8	2
80	ECR	33	2019-20	East Central Railway - Reliability improvement and selective repl of signalling items (Umbrella Work 2019-20)	RRSK	31	0	31
81	ECR	33	2020-21	East Central Railway – Provision of long term evolution system on low density railway network in connection with train collision avoidance system (1563 rkm) (Umbrella Work 2020-21)	Cap.	313	0	313
82	ECR	33	2012-2013	East Central Railway - Isolation and upgradation of signalling (5 stations)	RRSK	37	24	13
83	ECR	33	2013-2014	East Central Railway - Isolation & upgradation of signalling at Jamuniatanr (PB#486/2018-19/SER)	RRSK	5	1	4

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
84	ECR	33	2000-2001	Danapur - Repl of lever frames & ground gears by panel interlocking	RRSK	53	34	19
85	ECR	33	2002-2003	Kiul - Repl of signalling gears with centralised operation of points & signals (B-route)	RRSK	23	13	10
86	ECR	33	2007-2008	Mokama - Repl. of lever frames by panel interlocking	RRSK	8	5	3
87	ECR	33	2009-2010	Pradhankhunta Link-Patherdih - Panel interlocking with standard-III & block proving by axle counters (coal area)	RRSK	45	36	9
88	ECR	33	2011-2012	Kusunda-Phulwaritand - Repl of lever frames by panel interlocking (6 stations)	RRSK	64	40	24
89	ECR	33	2013-2014	Gaya - Panel interlocking of B-cabin (A-route)	RRSK	6	4	3
90	ECR	33	2013-2014	Jakhim & Baghoi Kusa - Repl of panel & other signaling gears	RRSK	18	9	10
91	ECR	33	2016-2017	Repl. of outlived non-route setting type of interlocking at 5 stations- Chaura BH, Bhalui BH, Hathidah, SCY, Block Hut C	RRSK	18	16	2
92	ECR	33	2012-2013	Chichaki - Repl of non-route setting & rotary switch operating panel by route setting push button type panel (A-route)	RRSK	9	7	1
93	ECR	33	2012-2013	Dhanbad Division - Complete renewal of signalling system at IBH-3 & 9	RRSK	9	4	5
94	ECR	33	2012-2013	Sonnagar - Central panel interlocking	RRSK	13	4	9
95	ECR	33	2012-2013	Mughalsarai - Repl. of point machine & ground connection of route relay interlocking	RRSK	3	1	2
96	ECR	33	2016-2017	Mughalsarai - Repl. of route relay interlocking on age cum condition basis	RRSK	180	74	106
97	ECR	33	2018-2019	Mughalsarai - Repl. of signaling gear on down hump	RRSK	18	0	18
98	ECR	33	2008-2009	Muzaffarpur - Route relay interlocking	RRSK	31	19	12

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
99	ECR	33	2015-2016	Sonpur Division - Solid state / electronic interlocking (14 station) (D Spl-route)	RRSK	89	34	56
100	ECR	33	2019-20	East Central Railway - Repl of overaged signalling assets in station sections and block sections (Umbrella Work 2019-20)	RRSK	44	0	44
101	ECR	33	2020-21	Upgradation of signalling gears on East Central Railway (Umbrella Work 2020-21)	RRSK	98	0	98
102	ECR	33	2006-2007	East Central Railway - Permanent way material for completion of signalling & telecommunication work	RRSK	30	26	4
103	ECR	33	2013-2014	Samastipur Division - Solar panels (34 stations)	RRSK	5	3	2
104	ECR	33	2016-2017	Mughalsarai & Dhanbad Divn. - Data logger at 37 level crossing gates	RRSK	7	2	5
105	ECR	33	2020-21	East Central Railway – Provision of indigenous train collision avoidance system on low density railway network (1563 rkm) (Umbrella Work 2020-21)	Cap.	469	0	469
106	ECR	33	2013-2014	Samastipur Division - Optic fibre cable (5 sections) (267 km)	RRSK	18	10	8
107	ECR	33	2016-2017	Sonpur, Dhanbad & Mughalsarai - Repl. of STM-1/STM-4 (9, 37 & 54 stations respectively)	RRSK	16	12	4
108	ECR	33	2018-2019	Danapur Division - Upgradation of STM level-1 to level-4	RRSK	8	2	6
109	ECR	33	2012-2013	Phusro-Barkakana, Barkakana-Tori (157 km) & Dhanbad-Jamuniatanr (26 km) - Rehabilitation of emergency communication (D-Spl route) (183 km)	RRSK	12	8	4
110	ECR	33	2018-2019	Bokaro Thermal-Barkakana-Tori - Repl. of optical fiber cable (121 km)	RRSK	9	4	4
111	ECR	33	2008-2009	Mughalsarai-Pradhankhunta - Repl. of 18 GHz microwave system by 6-quad cable (417km)	RRSK	32	21	11
112	ECR	33	2019-20	East Central Railway - Repl & upgradation of telecom assets (Umbrella Work 2019-20)	RRSK	19	0	19

PRIORITY SIGNALING WORKS									<i>Rs in Cr.</i>
SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20	
113	ECR	33	2020-21	Replacement/provision of telecom assets with multiprotocol level switching / internet protocol based technology over East Central Railway (Umbrella Work 2020-21)	RRSK	18	0	18	
114	ER	33	2003-2004	Eastern Railway - Continuous track circuiting with automatic block signalling (122.66 km) (A & C-routes) (Rajdhani & Shatabdi route)	RRSK	144	93	50	
115	ER	33	2011-2012	Naihati-Ranaghat - Automatic signalling system	RRSK	53	33	21	
116	ER	33	2019-20	Centralized Traffic Control system on 5 divisions over 4 Zonal Railways (ER,SR,SER and SECR) (Umbrella work/Supl/2019-20)	RRSK	291	0	291	
117	ER	33	2015-2016	Khana-Sitarampur - Single section digital axle counters in dual mode for redundancy in block line sections (52 Nos)	RRSK	12	7	5	
118	ER	33	2017-2018	Sitarampur-Jhajha - Single section digital axle counters in dual mode for redundancy of block line sections (38 Nos)	RRSK	7	4	2	
119	ER	33	2017-2018	Howrah - Multi section digital axle counters with repl of 831/3 AC track circuit	RRSK	21	14	7	
120	ER	33	2018-2019	Belmuri-Shaktigarh - Dual detection by multi section digital axle counter (Phase-I)	RRSK	31	0	31	
121	ER	33	2018-2019	Malda-Bonidanga, Bonidanga-Tinpahar & Bhagalpur-Kiul - Single section digital axle counters for dual block proving axle counters (52 block sections) (B-route)	RRSK	11	2	8	
122	ER	33	2018-2019	Dum Dum Jn-Balihalt - Provision of MSDAC for dual detection of track circuits	RRSK	12	1	11	
123	ER	33	2018-2019	Sealdah - Augmentation of block proving axle counters with dual single section digital axle counter & auto resetting facility in Main & North section	RRSK	8	4	4	

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
124	ER	33	2019-20	Eastern Railway - Reliability improvement, selective repl of signalling items and safety enhancement through signalling system (Umbrella Work 2019-20)	RRSK	88	0	88
125	ER	33	2020-21	Eastern Railway – Provision of long term evolution system on low density railway network in connection with train collision avoidance system (1563 rkm) (Umbrella Work 2020-21)	Cap.	313	0	313
126	ER	33	2018-2019	Rajmahal - Repl of semaphore signal by electronics interlocking with multi aspect colour light signalling	RRSK	9	0	9
127	ER	33	2017-2018	Howrah-Pradhankhanta - Upgradation of mobile train radio communication system	RRSK	6	0	6
128	ER	33	2008-2009	Bally-Shaktigarh - Mobile train radio communication system (90 km)	RRSK	9	2	7
129	ER	33	2016-2017	Barlanga - Sonarpur - Repl. of auto signalling system	RRSK	27	11	16
130	ER	33	2015-2016	Andal - Repl. of route relay interlocking	RRSK	62	16	46
131	ER	33	2015-2016	Kulti Link Cabin - Panel Interlocking	RRSK	6	4	2
132	ER	33	2016-2017	Jagdishpur, Maheshmunda, Giridih- Panel Interlocking	RRSK	18	9	9
133	ER	33	2018-2019	Andal - Electronic interlocking of East empty yard cabin	RRSK	12	0	12
134	ER	33	2018-2019	Andal Yard - Electronic interlocking of west down receiving cabin	RRSK	16	0	16
135	ER	33	2018-2019	Kaseetar, Nawapatra & Sankarpur - Electronic interlocking	RRSK	20	0	20
136	ER	33	2017-2018	Chandan Nagar - Repl of panel interlocking into electronic interlocking	RRSK	10	3	7
137	ER	33	2018-2019	Howrah Division - Repl. of lever frames to electronic interlocking (3 yards)	RRSK	31	0	31

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
138	ER	33	2015-2016	Ashokenagar - Repl. of panel interlocking	RRSK	6	3	3
139	ER	33	2018-2019	Ranaghat Crossing Cabin - Repl of panel interlocking with electronic interlocking system	RRSK	6	0	6
140	ER	33	2018-2019	Guma - Repl. of panel interlocking with electronic interlocking system	RRSK	6	3	3
141	ER	33	2019-20	Eastern Railway - Repl & upgradation of telecom assets (Umbrella Work 2019-20)	RRSK	16	0	16
142	ER	33	2019-20	Eastern Railway - Repl of overaged signalling assets in station sections and block sections (Umbrella Work 2019-20)	RRSK	49	0	49
143	ER	33	2020-21	Upgradation of signalling gears on Eastern Railway (Umbrella Work 2020-21)	RRSK	100	0	100
144	ER	33	2020-21	Eastern Railway – Provision of indigenous train collision avoidance system on low density railway network (1563 rkm) (Umbrella Work 2020-21)	Cap.	469	0	469
145	ER	33	2009-2010	Kolkata Area - Public address system in suburban trains (141 rakes)	RRSK	16	9	7
146	ER	33	2018-2019	Asansol Division - Repl of STM-1 by STM-4 for upgradation of optic fibre cable communication system	RRSK	9	0	9
147	ER	33	2018-2019	Howrah Division – Repl of STM-1 equipment by STM-4 with mux, charger, battery bank & protection devices for OFC system (50 locations)	RRSK	5	3	3
148	ER	33	2018-2019	Malda - Repl. of old version Tejas make STM-1 by STM-4	RRSK	6	3	3
149	ER	33	2010-2011	Howrah Division - Train management system (30 stations)	RRSK	51	29	21
150	ER	33	2010-2011	Sealdah Division - Train management system (30 stations)	RRSK	50	3	47
151	IR	33		Various completed Works (Financial Closure)		0	0	0
152	MR	33	2019-20	Metro Railway - Signalling works (Umbrella Work 2019-20)	RRSK	53	0	53

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
153	MR	33	2017-2018	Kolkata - Repl of cables (5 stations)	RRSK	3	1	2
154	MR	33	2019-20	Metro Railway - Repl, provision & upgradation of telecom assets (Umbrella Work 2019-20)	RRSK	8	0	8
155	NCR	33	2014-2015	Mathura-Kosi - Repl of signalling gears & cables of automatic section	RRSK	21	7	15
156	NCR	33	2015-2016	Kosikalan-Palwal - Repl. of signaling gears & cables of automatic section	RRSK	28	4	24
157	NCR	33	2003-2004	Aligarh-Kanpur - Track circuiting with automatic block signalling in golden quadrilateral / Rajdhani, Shatabdi routes (33 block sections)	Cap.	117	101	17
158	NCR	33	2003-2004	Kanpur-Mughalsarai - Track circuiting with automatic block signalling in golden quadrilateral / Rajdhani, Shatabdi routes (47 block sections)	RRSK	254	175	79
159	NCR	33	2017-2018	Naini-Bamhraul - Repl of automatic signaling system	Cap.	26	12	14
160	NCR	33	2003-2004	Agra Cantt-Gwalior - Continuous track circuiting with automatic block signalling (A-route) (118.44 km)	RRSK	49	3	45
161	NCR	33	2003-2004	Burhpura-Bina - Continuous track circuiting with automatic block signalling (A-route) (122.83 km)	RRSK	47	5	42
162	NCR	33	2003-2004	Gwalior-Burhpura - Continuous track circuiting with automatic block signalling (A-route) (126.05 km)	RRSK	48	5	43
163	NCR	33	2018-2019	Jhansi-Banda-Manikpur & Khairar-Bhimsen - Repl. of block Instrument by block panel (36 block sections)	RRSK	11	3	8
164	NCR	33	2018-2019	Mahoba-Khajuraho, Lalitpur-Khajuraho & Bhind-Udi - Repl. of Neale's ball token instrument with block panel (7 block sections)	RRSK	6	3	3
165	NCR	33	2013-2014	Aligarh-Chhipiyana - Multi section digital axle counter for dual detection	RRSK	29	24	5
166	NCR	33	2013-2014	Bina-Jhansi - Repl of axle counters, block proving Mux & block panels	RRSK	9	7	2

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
167	NCR	33	2012-2013	Agra-Mathura - Digital axle counters in addition to audio frequency track circuiting	RRSK	14	12	2
168	NCR	33	2016-2017	Agra cantt-Agra Cantt (AGC) & Agra Fort (AF) stations : Provision of axle counters in poor drainage and flood prone of Agra area.	RRSK	11	8	3
169	NCR	33	2012-2013	North Central Railway - Multi section digital axle counters for dual detection (15 block sections)	RRSK	51	31	20
170	NCR	33	2017-2018	Kanpur-Bhadan - Axle counters on metal channel bridges in automatic section	RRSK	11	3	8
171	NCR	33	2018-2019	Allahabad-Mughalsarai - System design for track section in flood prone automatic sections/stations	RRSK	20	16	3
172	NCR	33	2018-2019	Jhansi-Bina - Reliability improvement of signalling gears of old intermediate block signalling (14 IBS)	RRSK	19	14	5
173	NCR	33	2018-2019	Jhansi-Dhaulpur - Reliability Improvement of signalling gears of old intermediate block signalling (14 IBS)	RRSK	20	4	16
174	NCR	33	2019-20	North Central Railway - Reliability improvement, selective repl of signalling items and safety enhancement through signalling system (Umbrella Work 2019-20)	RRSK	190	0	190
175	NCR	33	2018-2019	Provision of Modern Train Control System incl Long Term Evaluation based Mobile Train Radio Communication system, connected electronic interlocking (indoor), train detection system for block section, remote diagnostics & predictive maintenance system, misc buildings & associated works etc for 155 rkm on New Delhi-Chennai Central section (Supl.No.24/December 2018)	RRSK	489	10	479

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
176	NCR	33	2020-21	North Central Railway - Provision of centralised control system with electronic interlocking / interfaces and block optimisation system (automatic block signalling) in connection with modern train control system on Golden Quadrilateral / Diagonal routes (315 rkm) (Umbrella Work 2020-21)	Cap.	230	0	230
177	NCR	33	2020-21	North Central Railway – Provision of modern train control system on Golden Quadrilateral / Diagonal routes (163 rkm) (Umbrella Work 2020-21)	Cap.	122	0	122
178	NCR	33	2020-21	North Central Railway – Provision of long term evolution system on low density railway network in connection with train collision avoidance system (1563 rkm) (Umbrella Work 2020-21)	Cap.	313	0	313
179	NCR	33	2017-2018	Bad - Electronic interlocking system in lieu of mechanical signalling	Cap.	28	6	22
180	NCR	33	2016-2017	Kanpur central-Tundla-Juhi A&B Cabin: replacement of mechanical signaling assets of Juhi A and B Cabin by Centralised operation of points and signals.	RRSK	36	18	18
181	NCR	33	2016-2017	Shikohabad-Nibkarori-Shikohabad-Farukhabad- Replacement of mechanical signaling gears at Stations and level crossing gates in Shikohabad - Farukhabad section.	RRSK	20	6	14
182	NCR	33	2018-2019	Barhan-Etah - Repl. of old worn out lever frames at stations by electronic interlocking	RRSK	21	4	17
183	NCR	33	2018-2019	Chunar-Chopan - Repl. of old worn out lever frames by electronic interlocking	RRSK	46	0	45
184	NCR	33	2006-2007	Jhansi Division - Upgradation to standard-III & panel interlocking (4 stations), multi aspect colour light signals (5 stations) (15 level crossings)	RRSK	33	17	16
185	NCR	33	2012-2013	Khairar-Ohan - Panel interlocking with colour light signalling (3 stations) and multi-aspect colour light signalling at interlocked level crossing gates	RRSK	21	17	4

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
186	NCR	33	2015-2016	Jhansi (A & B, goods cabins 1,2 3 & F-Cabins) - Repl. of lever frames & signalling gears of by panel / solid state interlocking	RRSK	24	19	5
187	NCR	33	2016-2017	Gwalior-Gwalior (Gwalior Goods cabin)-Replacement of worn out lever frames and signalling gears of by Panel interlocking / SSI .	RRSK	9	6	2
188	NCR	33	2018-2019	Banda-Bhimsen - Repl. of mechanical signalling along with block panels (5 stations/7 block sections)	RRSK	34	0	34
189	NCR	33	2018-2019	Jhansi Division - Repl. of mechanical signalling gears (4 stns) & elimination of token block instruments (7 block sections)	RRSK	28	1	27
190	NCR	33	2004-2005	Palwal-Mathura - Mobile train radio communication (A-route) (83 km)	RRSK	14	7	7
191	NCR	33	2017-2018	Bilochpura, Runkata, Kitham & Farah - Repl of signaling gears by electronic interlocking	RRSK	55	9	46
192	NCR	33	2002-2003	Ghaziabad-Kanpur - Repl. of signalling gears by electronic interlocking (15 stations)	Cap.	85	82	3
193	NCR	33	2002-2003	Ghaziabad-Kanpur - Repl. of signalling gears by solid state interlocking (5 stations)	RRSK	50	26	25
194	NCR	33	1996-1997	Ghaziabad-Kanpur - Repl. of gears by electronic interlocking (19 stations)	Cap.	141	132	9
195	NCR	33	1996-1997	Ghaziabad-Tundla - Repl. of signal equipment by electronic interlocking (7 stations)	Cap.	66	36	29
196	NCR	33	1996-1997	Kanpur-Mughalsarai - Repl. of signalling gears by solid state interlocking (33 stations)	RRSK	186	101	86
197	NCR	33	1997-1998	Tundla - Repl. of signalling gears by route relay interlocking	Cap.	59	56	3
198	NCR	33	2019-20	North Central Railway - Repl of overaged signalling assets in station sections and block sections (Umbrella Work 2019-20)	RRSK	25	0	25
199	NCR	33	2020-21	Upgradation of signalling gears on North Central Railway (Umbrella Work 2020-21)	RRSK	120	0	120

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
200	NCR	33	2018-2019	Agra Cantt-Dhaulpur - Reliability improvement of signalling gears of old intermediate block signalling (4 IBS)	RRSK	8	5	3
201	NCR	33	2015-2016	Mughalsarai-Kanpur - Hot stand-by arrangement at electronic interlocked stations and segregation of microlock-II power supply	RRSK	21	15	6
202	NCR	33	2016-2017	Kanpur central-Ghaziabad-Kanpur-Ghaziabad - Provision of Dataloggers at stations and LSCs in Kanpur - Ghaziabad section of Allahabad Division	RRSK	9	7	2
203	NCR	33	2017-2018	Bina-Dhaulpur - Independent operation & detection in point control & detection circuits (33 stations)	RRSK	8	6	2
204	NCR	33	2020-21	North Central Railway – Provision of indigenous train collision avoidance system on low density railway network (1563 rkm) (Umbrella Work 2020-21)	Cap.	469	0	469
205	NCR	33	2008-2009	Upgradation of Railnet by providing centralised mailing system & security system at data centres and Railnet locations	RRSK	26	24	2
206	NCR	33	2013-2014	Display-cum-announcement system on important mail/express trains on Indian Railways (300 rakes)	RRSK	70	17	53
207	NCR	33	2002-2003	Aligarh Jn - Indoor equipment, recording systems & control equipment in connection with control centre	Cap.	109	72	36
208	NCR	33	2002-2003	Etawah - Indoor equipment recording system & control equipment in connection with control centre	Cap.	83	54	30
209	NCR	33	2012-2013	Mughalsarai-Allahabad - Trenching, laying, jointing, supply of material, installation, testing, commissioning of 6-quad cable system (153 km)	RRSK	12	7	5
210	NCR	33	2016-2017	Allahabad-Kanpur- Replacement of 4 Quad cable with 6 Quad (PIJF) cable (200 KM length) in Allahabad-Kanpur section	RRSK	13	9	4
211	NCR	33	2018-2019	Mughalsarai-Kanpur - Augmentation of optical fiber network (417 km)	RRSK	31	10	21

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
212	NCR	33	2018-2019	New delhi - Replacement of VSAT hub	RRSK	6	2	4
213	NCR	33	2007-2008	Jhansi-Agra - Repl. of RE main cable by 6-quad cable (222 km)	RRSK	11	10	1
214	NCR	33	2009-2010	Jhansi-Manikpur & Banda-Bhimsen - Optic fibre cable (398 km)	RRSK	15	13	3
215	NCR	33	2019-20	Allahabad Division - Repl of telecom assets & provision of RailNet	RRSK	8	0	8
216	NCR	33	2020-21	Replacement/provision of telecom assets with multiprotocol level switching / internet protocol based technology over North Central Railway (Umbrella Work 2020-21)	RRSK	12	0	12
217	NER	33	2011-2012	Gorakhpur Cantt-Valmikinagar, Siwan-Thawe, Chhapra-Aurnihar & Bhatni-Varanasi City - Block proving with axle counters (48 block sections)	RRSK	5	3	3
218	NER	33	2020-21	North Eastern Railway - Reliability improvement and selective repl of signalling items (Umbrella Work 2019-20)	RRSK	13	0	13
219	NER	33	2020-21	North Eastern Railway – Provision of long term evolution system on low density railway network in connection with train collision avoidance system (1563 rkm) (Umbrella Work 2020-21)	Cap.	313	0	313
220	NER	33	2012-2013	North Eastern Railway - Isolation & upgradation of signalling (21 stations)	RRSK	146	95	52
221	NER	33	2005-2006	Burhwal-Sitapur - Standard-I to III interlocking with multi aspect colour light signalling & control panel (6 stations)	RRSK	24	16	8
222	NER	33	2008-2009	Indara-Phephana - Upgradation of interlocking from standard I to III with multi aspect colour light signal & central panel (3 stations)	RRSK	10	6	4
223	NER	33	2014-2015	Aunrihar-Bhatni - Repl of signalling assets (3 stations)	RRSK	10	6	4

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
224	NER	33	2015-2016	Aurnihar- Bhatni - Repl. of signaling assets (3 stations)	RRSK	10	6	4
225	NER	33	2020-21	Upgradation of signalling gears on North Eastern Railway (Umbrella Work 2020-21)	RRSK	60	0	60
226	NER	33	2016-2017	Varanasi Division - Shifting of starter to the boundary of the track circuit ahead to mitigate risk over varanasi division. (Total 498 no)	RRSK	4	3	2
227	NER	33	2020-21	North Eastern Railway – Provision of indigenous train collision avoidance system on low density railway network (1563 rkm) (Umbrella Work 2020-21)	Cap.	469	0	469
228	NER	33	2007-2008	Sitapur-Burhwal & Mailani-Nanpara - Optic fibre cable communication system and Daliganj-Mailani - Composite cables (358 km)	RRSK	25	21	3
229	NER	33	2008-2009	Bareilly-Kasganj-Mathura Cantt - Optic fibre cable (210 km)	RRSK	12	11	1
230	NER	33	2008-2009	Kanpur Anwarganj-Farrukhabad - Optic fibre cable (138 km)	RRSK	7	4	3
231	NER	33	2008-2009	Gonda-Anandnagar-Nautanwa - Optic fibre cable (220 km)	RRSK	9	7	2
232	NER	33	2020-21	Replacement/provision of telecom assets with multiprotocol level switching / internet protocol based technology over North Eastern Railway (Umbrella Work 2020-21)	RRSK	19	0	19
233	NFR	33	2011-2012	New Jalpaiguri-New Alipurduar-Samuktala Road and Samuktala Road-New Bongaigaon - Block proving by axle counters (D-route)	RRSK	15	13	2
234	NFR	33	2011-2012	New Bongaigaon-Rangiya-Agthori (D-route) & New Bongaigaon-Goalpara Town-Kamakhya (E-route) - Block proving by axle counters	RRSK	15	13	2

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
235	NFR	33	2019-20	Northeast Frontier Railway - Reliability improvement, selective repl of signalling items and safety enhancement through signalling system (Umbrella Work 2019-20)	RRSK	23	0	23
236	NFR	33	2020-21	Northeast Frontier Railway – Provision of long term evolution system on low density railway network in connection with train collision avoidance system (1563 rkm) (Umbrella Work 2020-21)	Cap.	313	0	313
237	NFR	33	2013-2014	Northeast Frontier Railway - Isolation and upgradation of signalling (6 stations)	RRSK	30	24	5
238	NFR	33	2018-2019	Makum Jn-Ledo - Upgradation of signaling arrangement from standard-I to II/R	RRSK	35	16	19
239	NFR	33	2018-2019	New Jalpaiguri-Katihar-Malda Town - Addl base trans receiver station to cater to 10 dark zones in section	RRSK	15	0	15
240	NFR	33	2018-2019	Northeast Frontier Railway - Modification of interlocking, provision of starters & advance starters, upgradation of electronic interlocking (6 Nos)	RRSK	18	14	4
241	NFR	33	2019-20	Northeast Frontier Railway - Repl of overaged signalling assets in station sections and block sections (Umbrella Work 2019-20)	RRSK	30	0	30
242	NFR	33	2020-21	Upgradation of signalling gears on Northeast Frontier Railway (Umbrella Work 2020-21)	RRSK	35	0	35
243	NFR	33	2012-2013	Northeast Frontier Railway - Track circuits using axle counters at critical locations	RRSK	15	11	4
244	NFR	33	2018-2019	Katihar Division - Automatic fire detection & alarm system (70 stations)	RRSK	6	3	3
245	NFR	33	2016-2017	Tinsukia Division. - Shifting of signals to 3 mtr boundary of track circuit to mitigate the risk at various stations on D & E route.	RRSK	4	1	2
246	NFR	33	2020-21	Northeast Frontier Railway – Provision of indigenous train collision avoidance system on low density railway network (1563 rkm) (Umbrella Work 2020-21)	Cap.	469	0	469

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
247	NFR	33	2016-2017	New jalpaiguri - Old Malda - Replacement and strengthening of Low insulation Quad Cables from NJP-MLDT Section for 230 Km over Katihar division.	RRSK	13	12	1
248	NFR	33	2020-21	Replacement/provision of telecom assets with multiprotocol level switching / internet protocol based technology over Northeast Frontier Railway (Umbrella Work 2020-21)	RRSK	28	0	28
249	NR	33	2003-2004	Panipat-Ambala - Continuous track circuiting with automatic block signalling on Rajdhani, Shatabdi route	RRSK	39	15	24
250	NR	33	2015-2016	Tilak Bridge-Hazrat Nizamuddin - Repl. of automatic signaling sears (A-route)	RRSK	9	5	3
251	NR	33	2015-2016	New Delhi - Tilak Bridge - Repl. of automatic signaling gears (A-route)	RRSK	7	3	3
252	NR	33	2016-2017	Replacement of NTI with BPAC and block panel in Bathinda(Ex)-Sri Ganga Nagar(Ex) section (10 block sections).	RRSK	10	3	7
253	NR	33	2016-2017	Replacement of NTI with single line tokenless block system in SMQL-TPZ, JHI-PNP, ROK-PNP & NRW-KKDE sections over Delhi Division.	RRSK	6	3	3
254	NR	33	2016-2017	Provision of UFSBI block instrument in place of Token block instrument between NBD - KTW, BLM-ON & BLM -SPC sections of MB Division.	RRSK	4	2	2
255	NR	33	2019-20	Northern Railway - Reliability improvement and selective repl of signalling items (Umbrella Work 2019-20)	RRSK	83	0	83
256	NR	33	2019-20	Northern Railway - Safety enhancement through signaling system (Umbrella Work 2019-20)	RRSK	36	0	36
257	NR	33	2020-21	Northern Railway – Provision of long term evolution system on low density railway network in connection with train collision avoidance system (1563 rkm) (Umbrella Work 2020-21)	Cap.	313	0	313
258	NR	33	2013-2014	Ambala & Firozpur Divisions - Isolation & upgradation of signalling (17 stations)	RRSK	103	30	73

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
259	NR	33	2016-2017	Replacement of signaling gears with EI on Khekra, Bagpat Road, Baraut, Kandhla & Qasimpur Kheri stations on Delhi Shahdara - Saharanpur section.	RRSK	41	0	41
260	NR	33	2018-2019	Kalayath, Kaithal & Pehowa Road ~ Upgradation & repl of lever frames with electronic interlocking	RRSK	25	2	23
261	NR	33	2018-2019	Amritsar-Attari - Upgradation of signalling from standard-I to II/R with electronic interlocking (2 stations) and Amritsar-Khemkaran (2 stations)	RRSK	3	0	3
262	NR	33	2018-2019	Amritsar-Pathankot - Upgradation of signaling from standard-I to II/R with electronic interlocking (5 stations)	RRSK	36	0	36
263	NR	33	2018-2019	Ferozpur-Fazilka - Upgradation of signaling from standard-I to II/R with electronic interlocking (4 stations) and Kotkapura-Fazilka (3 stations)	RRSK	60	0	60
264	NR	33	2018-2019	Pathankot - Electronic interlocking in lieu of lever frames	RRSK	16	0	16
265	NR	33	2018-2019	Phagwara-Nawan Shahar - Upgradation of signalling from standard-I to II/R (3 stations) and Jalandhar City- Hoshiarpur (3 stations)	RRSK	57	0	57
266	NR	33	2018-2019	Phillaur-Lohian Khas - Upgradation of signaling from standard-I to II/R with electronic interlocking (4 stations)	RRSK	35	0	35
267	NR	33	2018-2019	Sultanpur-Faizabad & Zafrabad-Janghai - Upgradation of signalling from standard-I to II/R (4 stations)	RRSK	46	0	46
268	NR	33	2018-2019	Sultanpur-Pratapgarh-Phaphamau - Upgradation of signalling from standard-I to II/R (5 stations)	RRSK	46	1	45
269	NR	33	2018-2019	Unchahar-Unnao & Ubarani - Upgradation of signalling from standard-I to II/R (5 stations)	RRSK	43	0	43
270	NR	33	2015-2016	Rampur-Bareilly - Electronic interlocking in place of electromechanical interlocking with end cabin signaling system	RRSK	68	40	28
271	NR	33	2000-2001	New Delhi-Ambala-Ludhiana - Mobile train radio communication (372 km)	RRSK	22	20	3

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
272	NR	33	2016-2017	Provision of Mobile Train Radio Communication on New Delhi - Ghaziabad section incl. Delhi - Sahibabad section	RRSK	8	0	8
273	NR	33	1999-2000	Ludhiana-Pathankot-Jammu Tawi-Amritsar - Mobile train radio communication	RRSK	28	25	2
274	NR	33	2007-2008	Lucknow-Kanpur - Mobile train radio communication (75 km)	RRSK	4	2	2
275	NR	33	2013-2014	Ambala Cantt - Repl. of signalling gears	RRSK	50	5	45
276	NR	33	2013-2014	Ludhiana-Jakhal - Repl. of signaling gears by electronic interlocking (13 stations)	RRSK	69	39	30
277	NR	33	2013-2014	Northern Railway - Mid-term rehabilitation of signaling gears (12 stations) (A & B-route)	RRSK	6	0	5
278	NR	33	2013-2014	Ghaziabad - Repl. of route relay interlocking	RRSK	39	3	36
279	NR	33	2013-2014	Sahibabad-Ghaziabad - Repl. of automatic section	RRSK	15	0	15
280	NR	33	2017-2018	Saharanpur - Repl of route relay interlocking with electronic interlocking	RRSK	50	0	50
281	NR	33	2018-2019	Anandpur Sahib, Ropar Thermal Plant & Nangal Dam - Provision of electronic interlocking	RRSK	22	2	20
282	NR	33	2018-2019	Bhatinda-Sriganganagar - Electronic Interlocking (7 stations)	RRSK	65	5	60
283	NR	33	2006-2007	Shakurbasti - Route relay interlocking installation	RRSK	12	5	8
284	NR	33	2008-2009	Delhi-Ambala - Repl of signalling gears with centralised operation of points & signals (6 stations)	RRSK	21	17	4
285	NR	33	2009-2010	Ghaziabad-Saharanpur - Repl. of panel interlocking (9 stations)	RRSK	25	17	8
286	NR	33	2009-2010	Tughlakabad Yard - Multi section digital axle counter and provision of panel in place of east cabin	RRSK	7	4	4
287	NR	33	2011-2012	Delhi-Sahibabad - Repl of signalling gears in automatic section	RRSK	12	6	6

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
288	NR	33	2011-2012	Lajpat Nagar - Repl of signalling gears with electronic interlocking	RRSK	6	4	2
289	NR	33	2012-2013	Delhi Cantt - Repl.of signaling gears with electronic interlocking	RRSK	14	7	6
290	NR	33	2012-2013	Panipat & Babarpur - Repl.of signalling gears with electronic interlocking	RRSK	18	9	9
291	NR	33	2012-2013	Tughlakabad (A & C-Cabins) - Repl.of signalling gears with panel interlocking	RRSK	9	0	9
292	NR	33	2016-2017	Replacement of Signaling gear on age cum conditional basis with EI at Shamli station.	RRSK	9	0	9
293	NR	33	2016-2017	Replacement of signaling gear on age cum conditional basis with EI at 6 stations GRA, BZJT, BZK, KUN, MOY & SHDM on DLI-UMB section	RRSK	53	5	48
294	NR	33	2016-2017	Delhi Sarai Rohilla - Repl. of signaling gears with electronic interlocking	RRSK	20	0	20
295	NR	33	2018-2019	Delhi Shahdara - Repl of signalling gears with distributed electronic interlocking	RRSK	21	0	21
296	NR	33	2018-2019	Hazrat Nizamuddin - Repl of signaling gears with electronic interlocking	RRSK	30	0	30
297	NR	33	2016-2017	Provision of Colour Light Signalling at Khasa & Attari on Amritsar-Attari section.	RRSK	9	1	9
298	NR	33	2017-2018	Firozpur Division - Repl of signalling gears (8 stations)	RRSK	38	0	38
299	NR	33	2001-2002	Bachrawan, Kundan Ganj, Harchandpur, Ganga Ganj & Rae Bareli - Repl. of signalling gears	RRSK	12	7	5
300	NR	33	2001-2002	Pratapgarh, Parthiganj, Dandupur, Gurrah & Suwansa - Repl. of signaling gears	RRSK	11	9	2
301	NR	33	2002-2003	Lucknow Division - Repl of signalling gears with centralised operation of points & signals (12 stations) (D-route)	RRSK	44	40	4

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
302	NR	33	2007-2008	Lucknow-Kanpur - Solid state interlocking (7 stations), block proving by axle counters (10 stations) & interlocking (21 level crossing gates)	RRSK	34	29	5
303	NR	33	2016-2017	Replacement of RRI Lucknow with Electronic Interlocking at age cum condition basis.	RRSK	65	16	49
304	NR	33	2002-2003	Moradabad Division - Repl. of signalling gears with centralised operation of points & signals (D & D-Spl routes) (18 stations)	RRSK	37	33	4
305	NR	33	2011-2012	Moradabad-Chandausi - Repl of signalling gears with electronic interlocking (5 stations)	RRSK	26	20	6
306	NR	33	2011-2012	Unnao-Balamau-Sitapur City - Rehabilitation / renewal of signalling gears etc (9 stations) & Nazibabad-Kotdwar (2 stations)	RRSK	19	6	13
307	NR	33	2015-2016	Moradabad-Rampur - Electronic interlocking (4 stations)	RRSK	40	15	25
308	NR	33	2016-2017	Balamau (Ex) - Kakori - Electronic interlocking with centralised panel operation (7 stations)	RRSK	61	31	30
309	NR	33	2016-2017	Mid term rehabilitation of power supply at 11 stations on Saharanpur -Lucknow section over Moradabad Division.	RRSK	5	0	5
310	NR	33	2019-20	Northern Railway - Repl of overaged signalling assets in station sections and block sections (Umbrella Work 2019-20)	RRSK	98	0	98
311	NR	33	2020-21	Upgradation of signalling gears on Northern Railway (Umbrella Work 2020-21)	RRSK	93	0	93
312	NR	33	2020-21	Unchahar-Unnao & Ubarni - Upgradation of signalling from standard-I to II/R (5 stations)	RRSK	43	0	43
313	NR	33	2004-2005	Northern Railway - Complete track circuiting (28 stations) (E-route)	RRSK	28	13	15
314	NR	33	2007-2008	Northern Railway - Complete track circuiting (26 stations)	RRSK	22	16	5
315	NR	33	2006-2007	Northern Railway - Permanent way material for completion of signalling & telecommunication works	RRSK	54	37	17

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
316	NR	33	2011-2012	Lucknow Division - Complete track circuiting (15 stations) (E-route)	RRSK	11	5	6
317	NR	33	2016-2017	Enhancement and net working of Datalogger in Lucknow Division.	RRSK	5	3	2
318	NR	33	2020-21	Provision of remote diagnostic and preventive maintenance system at 100 stations on Golden Quadrilateral / Diagonal routes (Umbrella Work 2020-21)	RRSK	62	0	62
319	NR	33	2020-21	Northern Railway – Provision of indigenous train collision avoidance system on low density railway network (1563 rkm) (Umbrella Work 2020-21)	Cap.	469	0	469
320	NR	33	2013-2014	Delhi-Ambala - Repl. of RE cable by 6-quad cable and provision of optic fibre cable based control communication equipment (198 km)	RRSK	12	1	11
321	NR	33	2013-2014	Rajpura-Sahnewal - Repl. of RE cable with 6-quad cable (88 km)	RRSK	4	2	2
322	NR	33	2018-2019	Optic fibre cable based system in remaining sections of broad gauge route over Indian Railways (2513 rkm)	RRSK	137	2	136
323	NR	33	2007-2008	Rajpura-Bhatinda-Sriganganagar - Repl.of Bharat Sanchar Nigam Ltd maintained overhead alignment by 6-quad & optic fibre telecom cable (400 km)	RRSK	18	15	3
324	NR	33	2008-2009	Ludhiana-Hissar - Optic fibre cable with 6-quad cable replacing BSNL maintained overhead control & block alignment (210 km)	RRSK	13	9	3
325	NR	33	2009-2010	Kalka-Shimla - 6-quad cable (96 km)	RRSK	12	0	12
326	NR	33	2010-2011	Delhi-Shamli-Saharanpur - Optic fibre cable & related equipment (151 km)	RRSK	6	4	2
327	NR	33	2017-2018	New Delhi - Supply, installation & commissioning of switch, core switch & NMS with associated accessories for Railnet services at Railway Board	RRSK	7	3	4

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
328	NR	33	2009-2010	Jalandhar City-Nakodar, Phagwara-Nawanshahar, Amritsar-Attari & Amritsar-Patti - 6-quad cable & allied equipment (180 km)	RRSK	6	5	1
329	NR	33	2010-2011	Verka-Dera Babak Nanak, Nawnashar-Jaijon Doaba, Patti-Khemkaran, Nawanshahar-Kahan, Batala-Quadian, Beas-Goindwal Sahib - 6-quad cable (190 km)	RRSK	8	3	5
330	NR	33	2010-2011	Firozpur-Bhatinda - Optic fibre cable & associated equipment (88 km)	RRSK	4	2	2
331	NR	33	2010-2011	Barabanki-Faizabad-Zafrabad - Optic fibre cable communication (244 km)	RRSK	11	4	7
332	NR	33	2010-2011	Unnao-Dalmou, Dalmou-Unchahar, Dalmou-Daryapur, Unchahar-Daryapur & Phaphamau-Faizabad - Optic fibre cable communication (330 km)	RRSK	17	3	14
333	NR	33	2007-2008	Gajraula-Muazzampur Narain, Sitapur-Balamau-Unnao & Nazibabad-Kotdwar - 6-quad underground telecom cable for repl.of overhead alignment (288 km)	RRSK	8	7	1
334	NR	33	2018-2019	Moradabad-Nazibabad - Repl of STM & MUX and Moradabad Division - Augmentation of control circuit at control room	RRSK	3	0	3
335	NR	33	2020-21	Optic fibre cable based system in remaining sections of broad gauge route over Indian Railways (2513 rkm)	RRSK	137	0	137
336	NR	33	2019-20	Northern Railway - Repl of quad cable and provision of tunnel radio communication (Umbrella Work 2019-20)	RRSK	22	0	22
337	NR	33	2020-21	Provision of video walls at 840 railway stations (Umbrella Work 2020-21)	RRSK	114	0	114
338	NR	33	2020-21	Replacement/provision of telecom assets with multiprotocol level switching / internet protocol based technology over Northern Railway (Umbrella Work 2020-21)	RRSK	21	0	21
339	NR	33	2019-2020	Delhi Division - Provision of train management system for 32 stations of Delhi area	RRSK	72	0	72

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
340	NWR	33	2018-2019	Ajmer - MSDAC for dual detection of track circuits of AHO, BER, MJ, ABR & all yard	RRSK	14	5	9
341	NWR	33	2018-2019	Jaipur Division - Dual detection system for block proving by axle counters (RPC Section)	RRSK	8	4	4
342	NWR	33	2014-2015	Merta Road-Bikaner - Optic fibre cable based digital communication system (172 km)	RRSK	8	6	2
343	NWR	33	2019-20	North Western Railway - Safety enhancement through signalling system, reliability improvement and selective repl of signalling items (Umbrella Work 2019-20)	Cap.	52	0	52
344	NWR	33	2020-21	North Western Railway – Provision of long term evolution system on low density railway network in connection with train collision avoidance system (1563 rkm) (Umbrella Work 2020-21)	Cap.	313	0	313
345	NWR	33	2018-2019	Phalodi Jn-Jaisalmer - Standard-II (R) electronic interlocking (9 stations) (Supl.No.19/December 2018)	RRSK	84	4	80
346	NWR	33	2012-2013	Lalgarh - Repl. of signaling equipment by route relay interlocking	RRSK	19	17	2
347	NWR	33	2015-2016	Sarupsar-Anupgarh - Repl. of signalling arrangement & upgradation of interlocking	RRSK	26	19	7
348	NWR	33	2013-2014	North Western Railway - Isolation & upgradation of signalling (10 stations)	RRSK	80	37	43
349	NWR	33	2020-21	North Western Railway - Repl of overaged signalling assets in station sections and block sections (Umbrella Work 2019-20)	RRSK	27	0	27
350	NWR	33	2020-21	Upgradation of signalling gears on North Western Railway (Umbrella Work 2020-21)	RRSK	71	0	71
351	NWR	33	2018-2019	Jaipur Division - Provision of hot stand by with dual VDU on existing electronics interlocked stations (31 Nos)	RRSK	24	6	18
352	NWR	33	2020-21	North Western Railway – Provision of indigenous train collision avoidance system on low density railway network (1563 rkm) (Umbrella Work 2020-21)	Cap.	469	0	469

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
353	NWR	33	2013-2014	Samdari-Barmer - Optic fibre cable (130 km)	RRSK	6	4	2
354	NWR	33	2015-2016	Hisar-Bhatinda & Bhiwani-Rohtak - Strengthening of telecom circuits by optical fiber cable, STM-1/STM-4 equipments & D/I MUX (155 km & 48 km respectively)	RRSK	7	5	1
355	NWR	33	2018-2019	Jodhpur Division - Repl. of faulty 6-quad cable & joints	RRSK	4	1	2
356	NWR	33	2019-20	North Western Railway - Repl of telecom assets (Umbrella Work 2019-20)	RRSK	15	0	15
357	NWR	33	2020-21	Replacement/provision of telecom assets with multiprotocol level switching / internet protocol based technology over North Western Railway (Umbrella Work 2020-21)	RRSK	24	0	24
358	SCR	33	2017-2018	Secunderabad Division - Repl of loop line axle counters with track circuits (26 loop lines)	RRSK	3	1	1
359	SCR	33	2018-2019	Vijayawada-Rajahmundry - Repl. of amplitude modulated single section digital axle counter system with high availability single section digital axle counters (20 sections)	RRSK	10	6	4
360	SCR	33	2019-20	South Central Railway - Reliability improvement, selective repl of signalling items and safety enhancement through signalling system (Umbrella Work 2019-20)	RRSK	56	0	56
361	SCR	33	2018-2019	Provision of Modern Train Control System incl Long Term Evaluation based Mobile Train Radio Communication system, connected electronic interlocking (indoor), train detection system for block section, remote diagnostics & predictive maintenance system, misc buildings & associated works etc for 165 rkm on Chennai Central-Mumbai section (Supl.No.22/December 2018)	RRSK	476	5	471

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
362	SCR	33	2020-21	South Central Railway - Provision of centralised control system with electronic interlocking / interfaces and block optimisation system (automatic block signalling) in connection with modern train control system on Golden Quadrilateral / Diagonal routes (670 rkm) (Umbrella Work 2020-21)	Cap.	490	0	490
363	SCR	33	2020-21	South Central Railway – Provision of modern train control system on Golden Quadrilateral / Diagonal routes (670 rkm) (Umbrella Work 2020-21)	Cap.	490	0	490
364	SCR	33	2020-21	Raising of speed to 130 kmph on Golden Quadrilateral / Diagonal routes on Indian Railways (Umbrella Work 2020-21)	RRSK	180	0	180
365	SCR	33	2020-2021	South Central Railway – Provision of long term evolution system on low density railway network in connection with train collision avoidance system (1563 rkm) (Umbrella Work 2020-21)	Cap.	313	0	313
366	SCR	33	2020-21	South Central Railway – Provision of long term evolution based mobile train radio equipment at Golden Quadrilateral / Diagonal routes (1549 rkm) (Umbrella Work 2020-21)	Cap.	310	0	310
367	SCR	33	2015-2016	Gooty-Pullampet - Conversion of electronic interlocking system from warm stand-by to hot stand-by configuration (29 stations)	RRSK	15	10	5
368	SCR	33	2018-2019	Guntakal Division - Repl of panel interlocking with electronic interlocking (7 stations)	RRSK	48	30	18
369	SCR	33	2017-2018	Kazipet-Vijayawada - Repl of indoor & outdoor signalling gears by electronic interlocking (3 stations) (A-route)	RRSK	20	11	8
370	SCR	33	2017-2018	Kazipet-Vijayawada - Repl of indoor electronic interlocking with latest version electronic interlocking (5 stations) (A-route)	RRSK	13	7	6

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
371	SCR	33	2017-2018	Secunderabad Division - Repl of signalling assets of intermediate block by repl intermediate block huts (11 IB sections)	RRSK	16	11	5
372	SCR	33	2018-2019	Pemberti - Repl of outdoor signalling gears (B-route)	RRSK	6	4	2
373	SCR	33	2020-21	Upgradation of signalling gears on South Central Railway (Umbrella Work 2020-21)	RRSK	95	0	95
374	SCR	33	2016-2017	NON BLANKING OF SIGNALS on GTL, SC, NED and HYB divisions	RRSK	25	23	2
375	SCR	33	2017-2018	Bidar-Parli Vajjnath-Parbhani - Train collision avoidance system (241 km)	RRSK	37	2	35
376	SCR	33	2017-2018	Manmad- Parbhani- Nanded- Secunderabad- Gadwal-Dhone-Guntakal - Train collision avoidance system (958 km)	RRSK	176	4	172
377	SCR	33	2020-21	South Central Railway – Provision of indigenous train collision avoidance system on low density railway network (1563 rkm) (Umbrella Work 2020-21)	Cap.	469	0	469
378	SCR	33	2010-2011	Secunderabad, Guntakal, Hyderabad & Guntur Divisions - Optic fibre cable (267 km) (14 stations)	RRSK	15	8	8
379	SCR	33	2016-2017	Replacement of aged STM equipments on BZA, GTL, GNT & SC divisions	RRSK	22	16	6
380	SCR	33	2019-2020	Secunderabad - Repl of main ISDN exchange at Rail Nilayam	RRSK	3	0	3
381	SCR	33	2010-2011	Mudkhed-Pimpalkutti - Optic fibre cable (222 km) (14 stations)	RRSK	16	8	8
382	SCR	33	2018-2019	Vijayawada Division - Repl. of RE main cable with 6-quad cable for block proving by axle counters (40 block sections)	RRSK	13	8	5
383	SCR	33	2018-2019	Vijayawada-Visakhapatnam - Repl of RE main cable with double 6-quad cable (4 bock sections) (High Density Network)	RRSK	9	4	6

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
384	SCR	33	2020-21	Replacement/provision of telecom assets with multiprotocol level switching / internet protocol based technology over South Central Railway and managed RailNet network infrastructure on Indian Railways (Umbrella Work 2020-21)	RRSK	229	0	229
385	SECR	33	2013-2014	Bilaspur-Anuppur & Champa-Gevra Road - 2nd distant signals	RRSK	15	12	3
386	SECR	33	2008-2009	Durg-Gondia - Automatic signalling	Cap.	147	75	71
387	SECR	33	2017-2018	South East Central Railway - Standby single section digital axle counters (52 Nos)	RRSK	4	3	2
388	SECR	33	2018-2019	Bilaspur Division - Repl. of analog axle counter with digital axle counter	RRSK	15	6	8
389	SECR	33	2015-2016	Nagpur-Gondia - Stand-by multi-section digital axle counters for auto signalling section (A-route) (11 sections)	RRSK	42	15	27
390	SECR	33	2018-2019	Nagpur Division - Repl. of analog axle counter by multi section digital axle counter of 'A' route	RRSK	9	1	9
391	SECR	33	2019-20	South East Central Railway - Reliability improvement, selective repl of signalling items and safety enhancement through signalling system (Umbrella Work 2019-20)	RRSK	18	0	18
392	SECR	33	2020-21	South East Central Railway - Provision of centralised control system with electronic interlocking / interfaces and block optimisation system (automatic block signalling) in connection with modern train control system on Golden Quadrilateral / Diagonal routes (601 rkm) (Umbrella Work 2020-21)	Cap.	451	0	451
393	SECR	33	2020-21	South East Central Railway – Provision of modern train control system on Golden Quadrilateral / Diagonal routes (601 rkm) (Umbrella Work 2020-21)	Cap.	451	0	451

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
394	SECR	33	2020-21	Provision of long term evolution based mobile train radio equipment at Golden Quadrilateral / Diagonal routes on South East Central and West Central Railways (831 rkm) (Umbrella Work 2020-21)	Cap.	166	0	166
395	SECR	33	2020-21	South East Central Railway – Provision of long term evolution system on low density railway network in connection with train collision avoidance system (1563 rkm) (Umbrella Work 2020-21)	Cap.	313	0	313
396	SECR	33	2017-2018	Bilaspur Yard - Repl of route relay interlocking with electronic interlocking	RRSK	81	25	56
397	SECR	33	2010-2011	Bhilai Marshalling Yard - Repl. of signalling & ground gears by route relay interlocking (K & M cabins)	RRSK	19	18	1
398	SECR	33	2015-2016	Bhilai Marshalling Yard (I, J & F-Cabins) - Repl. of signaling gears of by route relay interlocking	RRSK	17	12	5
399	SECR	33	2019-20	South East Central Railway - Repl of overaged signalling assets in station sections and block sections (Umbrella Work 2019-20)	RRSK	15	0	15
400	SECR	33	2020-21	Upgradation of signalling gears on South East Central Railway (Umbrella Work 2020-21)	Cap.	178	0	178
401	SECR	33	2016-2017	South East Central Railway- Galvanic Isolation Modules (GIM), Comm. PCB and segregated power supply for 26 EIs	RRSK	9	5	4
402	SECR	33	2020-21	South East Central Railway – Provision of indigenous train collision avoidance system on low density railway network (1563 rkm) (Umbrella Work 2020-21)	Cap.	469	0	469
403	SECR	33	2014-2015	Kanhan-Ramtek - Optic fibre cable link (23 km) and Tumsar Road-Tirodi (47 km)	RRSK	5	3	2
404	SER	33	2015-2016	Sini-Chandil - Repl. of auto signalling installation	RRSK	31	26	6
405	SER	33	2004-2005	Howrah-Panskura - Repl. of automatic signalling for enhancing safety in train operation	RRSK	44	35	9

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
406	SER	33	2003-2004	Kharagpur, Chakradharpur & Adra Divisions - Block proving by axle counters at central panel interlocked stations (33 block sections)	RRSK	27	21	5
407	SER	33	2017-2018	Chakradharpur Division - Dual detection of LVCD on A-route (Rourkela to Asanboni)	RRSK	9	6	2
408	SER	33	2017-2018	Chakradharpur Division - Dual detection of LVCD on A-route (Rourkela to Jharsuguda)	RRSK	9	6	2
409	SER	33	2018-2019	Rajkharsawan-Tatanagar - Dual detection of track in auto section with MSDAC	RRSK	15	3	12
410	SER	33	2018-2019	Tikiapara Yard, Tikiapara-Santragachhi, Santragachhi Yard & Santragachhi-Andul - Provision of dual detection	RRSK	31	5	26
411	SER	33	2020-21	South Eastern Railway - Provision of centralised control system with electronic interlocking / interfaces and block optimisation system (automatic block signalling) in connection with modern train control system on Golden Quadrilateral / Diagonal routes (670 rkm) (Umbrella Work 2020-21)	Cap.	490	0	490
412	SER	33	2020-21	South Eastern Railway – Provision of modern train control system on Golden Quadrilateral / Diagonal routes (670 rkm) (Umbrella Work 2020-21)	Cap.	490	0	490
413	SER	33	2020-21	South Eastern Railway – Provision of long term evolution based mobile train radio equipment at Golden Quadrilateral / Diagonal routes (692 rkm) (Umbrella Work 2020-21)	Cap.	138	0	138
414	SER	33	2020-21	South Eastern Railway – Provision of long term evolution system on low density railway network in connection with train collision avoidance system (1563 rkm) (Umbrella Work 2020-21)	Cap.	313	0	313
415	SER	33	2015-2016	Mohisila & Sanka - Repl. of lever frames with centralized operation of points & signals	RRSK	13	3	10
416	SER	33	2017-2018	Adra Division - Repl of lever frames with centralised operation of points & signals (4 stations)	RRSK	31	11	20

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
417	SER	33	2016-2017	Chakradharpur - Rangra & Kiriburu - Replacement of old & worn-out Lever Frames with Centralized Operation of Points and Signals (EI/PI) on E Route of CKP Divn	RRSK	21	6	15
418	SER	33	2009-2010	Nimpura & Kharagpur Departure Yard - Repl.of lever frames & ground gears by solid state interlockings (A-route)	RRSK	24	21	3
419	SER	33	2015-2016	Ranchi Division - Repl. of lever frames with centralised operation of points & signals (2 stations)	RRSK	14	6	7
420	SER	33	2015-2016	Barlanga, Harubera, Barkipona, Mael, Ramgarh Town - Repl. of lever frames with centralised operation of points & signals	RRSK	33	23	10
421	SER	33	2011-2012	Adra & Kharagpur Divisions - Repl of signalling gears with centralised operation of points & signals (5 & 2 stations respectively) (E-route)	RRSK	48	25	23
422	SER	33	2014-2015	Bankura-Vishnupur - Repl of signalling gears with electronic interlocking	RRSK	20	13	7
423	SER	33	2011-2012	Adra Division - Repl of signalling gears with centralised operation of points & signals (7 stations) (D-route)	RRSK	49	45	4
424	SER	33	2015-2016	Adra - Repl. of signalling gears with centralised operation of points & signals	RRSK	38	6	32
425	SER	33	2016-2017	Burnpur - Bokaro steel city - Replacement of Signalling gears with Centralised Operation of Points and Signals at Burnpur, BKSC 'O' , 'P' & 'K' Cabin .	RRSK	32	19	13
426	SER	33	2016-2017	Sudamdih - Sudamdih, Garbeta, Dumrughutu- Repl. of old & worn-out Lever Frames with Centralized Operation of Points and Signals (EI / PI) at 3 Stn in Adra Div	RRSK	38	11	28
427	SER	33	2017-2018	Bero, Muradi & Bokaro C-cabin - Repl of panel with centralized operation of points & signals panel interlocking	RRSK	21	6	15
428	SER	33	2015-2016	Birmitrapur, Bondamunda Link-B & Bondamunda Link-C - Repl. of one lever frame & two overaged panel stations with centralised operation of points & signals	RRSK	28	16	12

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
429	SER	33	2018-2019	Manikui - Repl of signalling gears with centralised operation of points & signals with electronic interlocking	RRSK	13	0	13
430	SER	33	2012-2013	Abada & Galudih - Repl. of signalling gears with centralised operation of points & signals	RRSK	18	15	3
431	SER	33	2015-2016	Ghatsila - Repl. of signalling gears panel interlocking by electronic interlocking (A-route)	RRSK	9	7	2
432	SER	33	2015-2016	Kharagpur Division - Repl. of signalling gears by centralised operation of points & signals	RRSK	18	6	12
433	SER	33	2017-2018	Durgachak, Domjur & Bargachia - Repl of panel with centralised operation of points & signals	RRSK	29	6	23
434	SER	33	2018-2019	Ranchi Division - Repl of signalling gears with centralised operation of points & signal (5 stations)	RRSK	56	11	45
435	SER	33	2019-20	South Eastern Railway - Repl of overaged signalling assets in station sections & block sections and selective repl of signalling items (Umbrella Work 2019-20)	RRSK	28	0	28
436	SER	33	2020-21	Upgradation of signalling gears on South Eastern Railway (Umbrella Work 2020-21)	RRSK	88	0	88
437	SER	33	2020-21	South Eastern Railway – Provision of indigenous train collision avoidance system on low density railway network (1563 rkm) (Umbrella Work 2020-21)	Cap.	469	0	469
438	SER	33	2020-21	South Eastern Railway- Provision of indigenous train collision avoidance system on low density railway network (Sub-Umbrella Work 2020-21)	Cap.	469	0	469
439	SER	33	2019-20	South Eastern Railway - Repl & upgradation of telecom assets (Umbrella Work 2019-20)	RRSK	10	0	10
440	SR	33	2017-2018	Shoranur-Kozhikkode - Block proving by axle counters with single section digital axle counters (11 block sections)	RRSK	14	9	5
441	SR	33	2016-2017	Chennai - Provision of Dual detection using MSDAC in chennai Egmore and other than berthing tracks of Chennai central.	RRSK	11	8	3

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
442	SR	33	2016-2017	Chennai egmore - Tambaram - Replacement of Existing AFTC on A&B lines by MSDAC in Auto section of Chennai egmore (MS) - Tambaram (TBM) section.	RRSK	17	13	5
443	SR	33	2017-2018	Basin Bridge-Arakkonam-Jolarpettai - Dual detection using multi section digital axle counter with DCTC/audio frequency track circuiting in auto section	RRSK	67	0	67
444	SR	33	2017-2018	Chennai Beach-Tambaram - Dual detection using multi section digital axle counter with DCTC/audio frequency track circuiting in suburban auto section	RRSK	19	8	10
445	SR	33	2016-2017	Salem - Pro. of dual detection for on girder bridges at KEY,CBF, SNO, OML, SXT & at berthingtracks at TUP, ED	RRSK	5	4	1
446	SR	33	2018-2019	Salem Division - Provision of redundancy by using high availability single section digital axle counter (55 sections)	RRSK	36	11	25
447	SR	33	2018-2019	Shoranur-Ernakulam - Multi section digital axle counters to improve reliability of signalling gears (6 major stations)	RRSK	22	4	19
448	SR	33	2019-20	Southern Railway - Reliability improvement and selective repl of signalling items (Umbrella Work 2019-20)	RRSK	106	0	106
449	SR	33	2019-20	Southern Railway - Safety enhancement through signalling system (Umbrella Work 2019-20)	RRSK	28	0	28
450	SR	33	2020-21	Southern Railway - Provision of centralised control system with electronic interlocking / interfaces and block optimisation system (automatic block signalling) in connection with modern train control system on Golden Quadrilateral / Diagonal routes (203 rkm) (Umbrella Work 2020-21)	Cap.	148	0	148
451	SR	33	2020-21	Southern Railway – Provision of modern train control system on Golden Quadrilateral / Diagonal routes (271 rkm) (Umbrella Work 2020-21)	Cap.	203	0	203

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
452	SR	33	2020-21	Southern Railway – Provision of long term evolution system on low density railway network in connection with train collision avoidance system (1563 rkm) (Umbrella Work 2020-21)	Cap.	313	0	313
453	SR	33	2015-2016	Jolarpettai - Repl. of route relay interlocking and A, B & C-cabins	RRSK	28	16	12
454	SR	33	2018-2019	Madurai Division - Repl of point machines & provision of emergency route release in all sections	RRSK	4	1	3
455	SR	33	2019-20	Southern Railway - Repl of overaged signalling assets in station sections and block sections (Umbrella Work 2019-20)	RRSK	158	0	158
456	SR	33	2020-21	Upgradation of signalling gears on Southern Railway (Umbrella Work 2020-21)	RRSK	94	0	94
457	SR	33	2014-2015	Chennai Beach-Villupuram, Arakkonam- Jolarpettai & Chennai-Gudur - Back up power supply for auto sections	RRSK	24	20	4
458	SR	33	2018-2019	Basin Bridge-Pattabiram - Remote terminal unit in auto section	RRSK	7	3	4
459	SR	33	2016-2017	Madurai - Provision of Series Track Circuit on D-Route of Madurai Division in DG MDU, TEN TCN, VPT TSI and MDU MNM Sections.	RRSK	9	2	7
460	SR	33	2016-2017	Madurai - Provision of Series Track Circuit on D-Route of Madurai Division in TPJ MNM and MNM RMM Sections.	RRSK	9	2	6
461	SR	33	2018-2019	Palghat Division - Reliability improvement by repl of various assets	RRSK	7	1	7
462	SR	33	2018-2019	Tiruchirappalli Division - Augmentation of electronic interlocking stations	RRSK	5	2	3
463	SR	33	2020-21	Southern Railway – Provision of indigenous train collision avoidance system on low density railway network (1563 rkm) (Umbrella Work 2020-21)	Cap.	469	0	469
464	SR	33	2020-21	Southern Railway- Provision of indigenous train collision avoidance system on railway network (1563 rkm) (Sub-Umbrella Work 2020-21)	Cap.	469	0	469

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
465	SR	33	2018-2019	Trivandrum Division - Dedicated optic fibre cable for data communication	RRSK	19	3	16
466	SR	33	2019-20	Southern Railway - Repl & upgradation of telecom assets (Umbrella Work 2019-20)	RRSK	25	0	25
467	SR	33	2020-21	Replacement/provision of telecom assets with multiprotocol level switching / internet protocol based technology over Southern Railway (Umbrella Work 2020-21)	RRSK	20	0	20
468	SR	33	2010-2011	Chennai Beach-Sulurpettai, Chennai Beach-Velachery, Chennai Beach-Chengalpattu & Chennai Central-Arakkonam - Train management system	RRSK	39	0	39
469	SR	33	2017-2018	Chennai-Gudur - TPWS on-board equipment in balance EMUs	RRSK	30	0	30
470	SWR	33	2018-2019	Penukonda-Dharmavaram - 2nd distant signal arrangements on B route incl. level crossings gates via Nagasamudram & Sri Satya Sai Prasanthi Nilayam	RRSK	8	5	2
471	SWR	33	2012-2013	Hubli Division - Block proving by axle counters (28 block sections)	RRSK	16	13	3
472	SWR	33	2018-2019	Hubli Division - Provision of BPAC (5 sections) & dual detection (22 blocks)	RRSK	10	6	4
473	SWR	33	2018-2019	Mysore Division - Block proving axle counter high availability single section digital axle counter (7 sections)	RRSK	5	3	2
474	SWR	33	2020-21	South Western Railway - Reliability improvement, selective repl of signalling items and safety enhancement through signalling system (Umbrella Work 2019-20)	Cap.	11	0	11
475	SWR	33	2020-21	South Western Railway – Provision of long term evolution system on low density railway network in connection with train collision avoidance system (1563 rkm) (Umbrella Work 2020-21)	Cap.	313	0	313
476	SWR	33	2018-2019	Castle Rock-Kulem - Tunnel radio system	RRSK	8	0	8

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
477	SWR	33	2020-21	Upgradation of signalling gears on South Western Railway (Umbrella Work 2020-21)	RRSK	219	0	219
478	SWR	33	2018-2019	Hubli - Smoke & fire detection and fire extinguisher system (107 stations) & provision of smoke, fire suppression system at Hubli West cabin	RRSK	5	1	4
479	SWR	33	2018-2019	Hubli Division - Earth leakage detector (70 stations) & fuse auto changeover system (114 stations/cabins)	RRSK	5	2	3
480	SWR	33	2016-2017	Mysore-Provision of IPS for Mysore jn.-Arsikere jn., Birur jn.-Talaguppa, Chikjajur jn.-Rayadurga section	RRSK	13	7	6
481	SWR	33	2020-21	South Western Railway – Provision of indigenous train collision avoidance system on low density railway network (1563 rkm) (Umbrella Work 2020-21)	Cap.	469	0	469
482	SWR	33	2012-2013	Gadag-Tadval - Optic fibre cable (200 km)	RRSK	12	9	3
483	SWR	33	2016-2017	Mysore- Provision of OFC,STM1 & PD-Mux in SMET-TLGP (Length is 97.28 Km) & DRU-CMGR (Length is 45.125 Km) section in Mysore Division	RRSK	15	9	6
484	SWR	33	2020-21	South Western Railway - Repl of 6-quad cable (Umbrella Work 2019-20)	Cap.	7	0	7
485	SWR	33	2020-21	Replacement/provision of telecom assets with multiprotocol level switching / internet protocol based technology over South Western Railway (Umbrella Work 2020-21)	RRSK	13	0	13
486	WCR	33	2016-2017	Khandwa-Bina-Bhopal Division - Provision of high reliability BPAC in KNW-BINA section in critical block section of Bhopal division (total 29 Nos)	RRSK	13	7	6
487	WCR	33	2017-2018	Nagda-Mathura - Independent operation & detection features in point control & detection circuits	RRSK	4	2	3
488	WCR	33	2018-2019	Kota-Mathura - Enhancing the reliability of intermediate block signalling by provision of high availability digital axle counters (23 IBS)	RRSK	26	0	26

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
489	WCR	33	2018-2019	Kota-Nagda - Enhancing the reliability of intermediate block signalling by by high availability digital axle counters (14 nos)	RRSK	16	0	16
490	WCR	33	2018-2019	Nagda-Mathura - High availability digital axle counters (19 block sections)	RRSK	9	3	6
491	WCR	33	2019-20	West Central Railway - Reliability improvement, selective repl of signalling items and safety enhancement through signalling system (Umbrella Work 2019-20)	RRSK	40	0	40
492	WCR	33	2020-21	West Central Railway - Provision of centralised control system with electronic interlocking / interfaces and block optimisation system (automatic block signalling) in connection with modern train control system on Golden Quadrilateral / Diagonal routes (230 rkm) (Umbrella Work 2020-21)	Cap.	173	0	173
493	WCR	33	2020-21	West Central Railway – Provision of modern train control system on Golden Quadrilateral / Diagonal routes (230 rkm) (Umbrella Work 2020-21)	Cap.	173	0	173
494	WCR	33	2020-21	West Central Railway – Provision of long term evolution system on low density railway network in connection with train collision avoidance system (1563 rkm) (Umbrella Work 2020-21)	Cap.	313	0	313
495	WCR	33	2012-2013	West Central Railway - Isolation and upgradation of signalling (8 stations)	RRSK	37	33	4
496	WCR	33	2013-2014	New Katni Jn - Repl of mechanical lever frames with centralised operation of points & signals (C-cabin)	RRSK	15	12	3
497	WCR	33	2014-2015	New Katni Jn - Repl of mechanical lever frames with centralised operation of points & signals	RRSK	23	8	14
498	WCR	33	2013-2014	Bayana, Gangapur City & Shamgarh - Repl of signalling gears	RRSK	22	19	3
499	WCR	33	2015-2016	Bina - Repl. of overaged signalling gears of Bina goods yard by centralized operation of points and signals	RRSK	16	4	12

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
500	WCR	33	2017-2018	Banapura, Bhirangi, Harda & Palasner - Repl of indoor & outdoor signalling gears (B-route)	RRSK	28	8	19
501	WCR	33	2014-2015	Nagda-Mathura - Repl of signalling gears (5 identified critical stations)	RRSK	23	17	5
502	WCR	33	2015-2016	Nagda - Mathura Section: Replacement of old and outlived signalling gears at identified critical 5 stations which are overdue for replacement	RRSK	24	17	7
503	WCR	33	2015-2016	Nagda - Mathura Section: Replacement of old and outlived signalling gears at identified critical 11 stations which are overdue for replacement.	RRSK	36	14	22
504	WCR	33	2015-2016	Sawai madhopur- Gangapur city Section: Repl of old and outlived signalling gears at identified critical 4 stations which are overdue for repl	RRSK	22	10	12
505	WCR	33	2015-2016	Kota-Chittor garh section: Repl of old and obsolete PI-150 relays, provision of CLS in place of semaphore signals and centralized operation of point	RRSK	18	15	3
506	WCR	33	2015-2016	Mandal Garh, Barundani, Parsoli & Bassi Berisal - Repl of old and obsolete PI150 relays, provision of CLS in place of semaphore signals and centralized operation of points	RRSK	19	13	5
507	WCR	33	2016-2017	Nagda-Mathura-Nagda - Mathura Section: Replacement of old and outlived signalling gears at identified critical 5 stations which are overdue for replacement.	RRSK	24	3	21
508	WCR	33	2016-2017	Nagda-Sawaimadhapur-Nagda - Sawaimadhapur Section: Replacement of old and outlived signalling gears at identified critical 10 stations	RRSK	27	4	23
509	WCR	33	2017-2018	Sawaimadhapur-Mathura - Repl of outdoor signalling gears (9 stations)	RRSK	32	3	29
510	WCR	33	2019-20	West Central Railway - Repl & upgradation of telecom assets (Umbrella Work 2019-20)	RRSK	14	0	14

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
511	WCR	33	2019-20	West Central Railway - Repl of overaged signalling assets in station sections and block sections (Umbrella Work 2019-20)	RRSK	30	0	30
512	WCR	33	2020-21	Upgradation of signalling gears on West Central Railway (Umbrella Work 2020-21)	RRSK	42	0	42
513	WCR	33	2018-2019	Itarsi-Bina - Improvement of reliability by redundant of communication media (11 IBHs)	RRSK	10	6	5
514	WCR	33	2015-2016	Jabalpur Division-Implementation of Railway Board signalling action plan (PRIME) for enhancing the reliability of signalling gears	RRSK	9	5	4
515	WCR	33	2018-2019	Jabalpur Division - Upgrading datalogger networking system (65 locations)	RRSK	7	0	7
516	WCR	33	2020-21	West Central Railway – Provision of indigenous train collision avoidance system on low density railway network (1563 rkm) (Umbrella Work 2020-21)	Cap.	469	0	469
517	WCR	33	2011-2012	Habibganj-Itarsi - Repl of paper quad RE main cables by jelly filled 6-quad cables (79.61 km)	RRSK	4	3	1
518	WCR	33	2015-2016	Itarsi-Khandwa - Jelly filled 6 Quad cable in section for replacement of non jelly filled 4 quad cable (178 rkm)	RRSK	9	6	4
519	WCR	33	2020-21	Replacement/provision of telecom assets with multiprotocol level switching / internet protocol based technology over West Central Railway (Umbrella Work 2020-21)	RRSK	4	0	4
520	WR	33	2018-2019	Bhavnagar Division - Block proving by axle counters with UFSBI (21 block sections)	RRSK	13	3	11
521	WR	33	2013-2014	Western Railway - Independent detection arrangement for point circuits	RRSK	32	23	9
522	WR	33	2016-2017	Anand jn bg - Geratpur bg - Anand Geratpur section - Replacement of over aged AFTC by Multi Section Digital Axle counters in Automatic section.	RRSK	50	16	33

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
523	WR	33	2016-2017	Churchgate - Vile parle - Churchgate - Vileparle:- Provision of MSDAC in Parellel with existing track circuits to improve reliability of Signalling gear.	RRSK	17	11	5
524	WR	33	2017-2018	Boisar-Surat - Reliability improvement by way of redundancy for track occupancy detection on bridge portion (22 bridges)	RRSK	10	7	3
525	WR	33	2017-2018	Virar-Dahanu Road - Repl of audio frequency track circuiting by digital axle counters	RRSK	45	9	36
526	WR	33	2016-2017	Godhra jn bg - Bhopal - Godhra-Nagda-Bhopal section:- Replacement of old aged BPAC MUX and Analoge Axle Counter by Digital Axle Counter with UFSBI at.	RRSK	14	4	10
527	WR	33	2017-2018	Ratlam Division - Dual detection for track circuits on bridge portion by digital axle counters	RRSK	3	1	2
528	WR	33	2018-2019	Ratlam Division - High availability digital axle counters (A-route) (8 IBS)	RRSK	14	0	14
529	WR	33	2018-2019	Vadodara Division - Repl. of analog axle counters by digital axle countes	RRSK	10	2	8
530	WR	33	2019-20	Western Railway - Reliability improvement and selective repl of signalling items (Umbrella Work 2019-20)	RRSK	92	0	92
531	WR	33	2020-21	WesternRailway – Provision of long term evolution system on low density railway network in connection with train collision avoidance system (1563 rkm) (Umbrella Work 2020-21)	Cap.	313	0	313
532	WR	33	2013-2014	Western Railway - Isolation and upgradation of signalling (13 stations)	RRSK	55	44	11
533	WR	33	2018-2019	Motikhavadi, Sikka & Lavanpur - Repl. of mechanical signalling by electronic interlocking & block proving by axle counters	RRSK	24	11	13
534	WR	33	2018-2019	Petlad and Khambhat - Complete track circuiting of station section & repl. of mechanical signalling by electronic Interlocking	RRSK	12	5	7

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
535	WR	33	2012-2013	Churchgate - Virar - Repl. of mobile train communication system of suburban section & integration with MTRC of Central Railway	RRSK	5	1	4
536	WR	33	2013-2014	Godhra-Ratlam - Repl. of indoor & outdoor signalling equipment (6 stations)	RRSK	30	27	3
537	WR	33	2013-2014	Surat-Vadodara-Geratpur - Repl. of indoor & outdoor signalling equipment (4 stations)	RRSK	26	22	4
538	WR	33	2018-2019	Dahanu Road - Repl. of indoor & outdoor signaling equipment	RRSK	19	7	12
539	WR	33	2012-2013	Rajkot-Hapa - Repl. of signalling equipment (8 stations)	RRSK	41	33	8
540	WR	33	2015-2016	Rajkot Division : Replacement of overaged signalling gears at 17 stations in Surendranagar - Kanalus section excluding 10 nos OSL LC gates.	RRSK	76	31	45
541	WR	33	2017-2018	Bhatel-Okha - Repl of signalling gears incl level crossing gates (8 stations)	RRSK	42	31	11
542	WR	33	2012-2013	Ratlam - Repl. of signalling assets by route relay interlocking	RRSK	21	16	5
543	WR	33	2014-2015	Dahod - Repl of indoor & outdoor signalling (high density network route)	RRSK	10	9	1
544	WR	33	2016-2017	Godhra jn bg - Nagda - Godhra-Nagda Section Replacement of over aged indoor and outdoor Signaling equipment at 10 stations and 8 IBS at.	RRSK	61	34	27
545	WR	33	2017-2018	Ujjain & Ujjain-C - Repl of indoor & outdoor signalling equipment (D-Spl route)	RRSK	26	11	15
546	WR	33	2016-2017	Bajva bg - Ranoli bg - Bajva and Ranoli - Replacement of over aged indoor and outdoor Signalling equipments.	RRSK	24	20	4
547	WR	33	2017-2018	Anand - Repl of indoor & outdoor signalling equipment	Cap.	20	2	18
548	WR	33	2018-2019	Bharuch & Gothaj - Repl. of overaged indoor & outdoor signalling equipments	RRSK	28	7	21

PRIORITY SIGNALING WORKS

Rs in Cr.

SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
549	WR	33	2018-2019	Vadodara RRI and Vadodara C cabin - Repl. of indoor & outdoor signalling equipments	RRSK	28	6	22
550	WR	33	2019-20	Western Railway - Repl of overaged signalling assets in station sections and block sections (Umbrella Work 2019-20)	RRSK	145	0	145
551	WR	33	2020-21	Upgradation of signalling gears on Western Railway (Umbrella Work 2020-21)	Cap.	109	0	109
552	WR	33	2020-21	Monitoring of electronic interlocking system and upgradation of centralised traffic control functionalities (Phase-1) (Umbrella Work 2020-21)	RRSK	25	0	25
553	WR	33	2020-21	Western Railway – Provision of indigenous train collision avoidance system on low density railway network (1563 rkm) (Umbrella Work 2020-21)	Cap.	469	0	469
554	WR	33	2018-2019	Optical fiber cable based system in the remaining sections of meter gauge & narrow gauge over Indian Railways	RRSK	54	0	54
555	WR	33	2015-2016	Mahesana - Viramgam - Optic fibre communication system (66 rkm)	RRSK	4	2	2
556	WR	33	2018-2019	Mahesana-Viramgam & Mahesana-Patan - HADAC for 10 block section & repl. of NBT Block instruments by BPAC in 4 Block section	RRSK	6	2	4
557	WR	33	2015-2016	Porbandar- Kanalus & Jetalsar - Wansjaliya - Optic fibre cable and its associated equipments (196 rkm)	RRSK	19	9	10
558	WR	33	2018-2019	Nagda-Bhopal - Repl. of existing RE cable by six quad cable	RRSK	12	6	6
559	WR	33	2018-2019	Pratapnagar-Surat & Vadodara-Godhra - Repl. of optical fiber cable equipments	RRSK	3	1	3
560	WR	33	2019-20	Optical fiber cable based system in the remaining sections of meter gauge & narrow gauge over Indian Railways	RRSK	54	0	54
561	WR	33	2019-20	Western Railway - Upgradation of RailNet (Umbrella Work 2019-20)	RRSK	4	0	4

PRIORITY SIGNALING WORKS								<i>Rs in Cr.</i>
SN	Railway	Plan Head	Year of Sanction	Name of Work	Allocation	Current Cost	Expenditure upto March '20	Throwforward as on 01.04.20
				PH-33 (Signalling & Telecom Works)- Sub Total		38482	4841	33641
1	WR	16	2018-2019	Raising of speed to 160 kmph/200 kmph on existing New Delhi -Mumbai route (incl. Vadodara-Ahmedabad) - A mission to achieve a travel time of 12 hours between Delhi & Mumbai (S&T Works on New Delhi -Mumbai route (incl. Vadodara-Ahmedabad)	EBR(IF)	11189	0	11189
2	NCR	16	2018-2019	Raising of speed to 160 kmph/200 kmph on existing New Delhi-Howrah route (incl. Kanpur-Lucknow) - A mission to achieve a travel time of 12 hours between Delhi & Howrah (S&T Works on New Delhi- Howrah route (incl. Kanpur-Lucknow)	EBR(IF)	6975	0	6975
				PH-16 (Traffic Facility Works)- Sub Total		18163	0	18163
1	IR	29	2019-2022	Interlocking of 750 LC gates with communication facility and networking	RRSK	1500	0	1500
				Grand Total		58146	4841	53304

भारत सरकार / GOVERNMENT OF INDIA
रेल मंत्रालय / MINISTRY OF RAILWAYS
(रेलवे बोर्ड / RAILWAY BOARD)

2020/W-I/Genl./Vision 2024 (E-off- 3334078)

New Delhi, dated: 28.12.2020

The General Managers,
All Indian Railways.

Sub.: Vision 2024 document

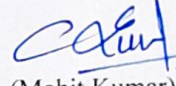
Ref.: Railway Board's letter of even no. dated 03.11.2020

Vision 2024 document for achieving 2024 MT loading by year 2024 was shared with all Zonal Railways vide Board's letter of even no. dated 03.11.2020. The capacity enhancement projects were identified and prioritised to be completed by March'2024.

Vision 2024 was discussed by Railway Board on 04.12.2020 with General Managers and PHoDs of all Zonal Railways soliciting suggestions on the Vision 2024 document. After examination, modifications i.e. inclusion / exclusion, as found justified have been carried out.

Vision 2024 document covers list of the identified priority projects indicating targets and the likely allocation of funds is enclosed herewith for necessary planning and execution by Zonal Railway.

This issues with the concurrence of the Finance Directorate of the Ministry of Railways and approval of Board (Member Infra, Member O&BD, Member Finance and CRB&CEO)

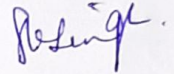

(Mohit Kumar) 28/12/20

Director/Works-I
Railway Board.

2020/W-I/Genl./Vision 2024 (E-off- 3334078)

New Delhi, dated: 28.12.2020

Copy to PFAs, All Zonal Railways



For Member Finance

Copy for information and necessary action:

Chief Administrative Officer (Const.)
All Indian Railways
Chairman-cum-Managing Directors,
IRCON, RITES & RVNL