File No.2006/M(N)/951/28.

भारत सरकार Government of India
रेल मंत्रालय Ministry of Railways
रेलवे बोर्ड Railway Board

No.2006/M(N)/951/28 **New Delhi, dated: 24.12.2020**

The Principal Chief Mechanical Engineers
All Indian Railways

Sub: Identification and sanction of projects related to freight maintenance aligning with Vision 2024.

Ref: Vision 2024 document (Copy enclosed).

Ministry of Railways has recently finalized Vision 2024 document (Copy Attached) with aim of achieving the annual freight loading at 2024MT by the year 2024. It is requested to kindly study the document and assess the future requirements for upgradation of the freight maintenance infrastructure to cope with the increased traffic (expected to increase by 15% by 2024.

The assessed requirements if not covered through the existing sanctions must be intimated to Railway Board for further processing by 31.12.20.

Digitally signed by VIVEK MOHAN
Date:Thu Dec 24 12:26:43 IST 2020
Reason: Approved

(Vivek Mohan)
Dir. Mech. Engg. /Frt.
Railway Board

Vision 2024

Development of Infrastructure

for Achieving 2024 MT of Loading by 2024







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Focus on Infrastructure Projects for Vision 2024

- Vision 2024 has been envisaged to achieve targets of 2024 MT freight loading by 2024. For the purpose the importance of infrastructure projects in capacity creation, removing the bottlenecks by keeping focus on safety cannot be underestimated.
- As per the directions given by Hon'ble PM, for fast pace execution of projects, New Paradigm shift has taken place in planning of projects, so that, available resources are utilized judiciously for optimum results and for this, 58 Super Critical & 68 Critical projects have been identified for resource allocation for through put enhancement at faster pace. Super critical projects are targeted for completion by Dec'2021 and Critical projects by Mar'2024.
- As on 01-04-2020, 513 projects *(189 New Line, 55 Gauge Conversion & 270 Doubling projects)* of balance length 43,000 Km and throw forward Rs. 5.38 lakh Crore are ongoing.

Doubling:

- **58 Super Critical projects** of total length 3,750 Km *(balance length 1471 Km)*, total cost Rs. 36,700 Cr., throw forward of Rs. 8,100 Cr. has been planned to complete by Dec'2021 except 2 projects which will be completed by **Mar'2022**.
- **68 Critical projects** of total length 6,918 Km *(balance length 6075 Km)*, costing Rs. 69,900 Cr., throw forward of Rs. 45400 Cr. are to be completed by **Mar'2024**.
- **Additional 20 Coal projects** of total length 2350 Km (balance length 1508 Km), costing Rs. 29,800 Cr., throw forward Rs. 15000 Cr. are targeted for completion by Mar'2024 *(31 Coal projects and 10 Port connectivity projects are covered in Super Critical & Critical projects)*. The coal projects include 7 new line of total length 619 km(balance length 377 km) costing Rs 12903 Cr (throw forward of Rs 4639 Cr) and 1 gauge conversion project of length 285 km (balance length 24km) costing Rs 2005 Cr (throw forward of Rs 288 Cr.)
- In addition, **48 projects** on **HDN & HUN routes** of total length 3,700 Km *(balance length 3444 Km)*, costing Rs. 42,800 Cr., throw forward of Rs. 34463 Cr. are to be completed by **Mar'2024.**

New Line: Focus will be to complete National Projects

- **4 National projects** falling in **NE Region** of total length 294 Km (balance length 282 Km) costing of around Rs. 27,500 Cr. and throw forward Rs. 12094 Cr will be completed by **Mar'2023**. **USBRL project** of total 272 Km length (balance length 111 Km), costing Rs. 28000 Cr. and throw forward of Rs. 9949 Cr. by **Dec'2022**. 2 Projects *(Rishikesh-Karanprayag and Bhanupalli-Bilaspur)* of total length 188 Km costing around Rs. 23,000 Cr. throw forward of Rs. 20718 Cr. will be completed by **Mar'2025**.

Gauge Conversion:

- **30 Gauge conversion** projects of total length 3913 km (balance length 2,292 Km) costing around Rs. 31,200 Cr. and throw forward of Rs 15053 Cr. Total 2146 Km Gauge Conversion will be completed by **Mar-24.**

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Traffic Facility:

- **105 Traffic facilities** work costing Rs. 10150 Cr. with throw forward of Rs. 6782 Cr. to be completed by Mar'2024.
- **146 Railway electrification** projects of balance length 23800 Km, throw forward of Rs. 20209 Cr. will be completed by Dec'2023.
- **Signaling & Telecommunication** work including provision of TCAS, Automatic Signaling, LTE & CTC on HDN & Freight Dense HUN routes, elimination of electro-mechanical signaling, replacement of overaged signaling gears, interlocking of LC gates & other miscellaneous works costing Rs. 21014 Cr. are to be completed by Mar'2024. Out of this Rs 8871 Cr will be charged to RRSK and Rs. 12143 Cr will be charged to EBR-IF.

Raising of sectional speed:

- **Works for raising of sectional speed to 160 kmph** on New Delhi- Mumbai (incl. Vadodara- Ahmedabad) and New Delhi- Howrah (incl. Kanpur- Lucknow) routes costing Rs. 6804 Cr. and Rs 6684 Cr. respectively will be completed by August' 2023.
- **Infrastructural works for raising of sectional speed to 130 kmph** on balance Golden Quadrilateral and Diagonal routes will be completed and speed will be raised to 130 kmph by December'2021.

Elimination of Manned level crossings from GQ-GD routes:

To enhance safety and operational speed on Golden Quadrilateral & Golden Diagonal, Manned level crossings (MLCs) are to be removed on priority.

As on 01.04.2020, 2429 MLC are existing on GQ-GD routes. As per survey done by zonal railways 1186 LCs are to replaced by ROBs, 1223 by RUBs and 20 LCs by diversion at a total approx. cost of Rs. 41200 Cr. Work is targeted to be completed by March 2025.

Plan Head 30	2020-21		2021-22		2022-23		2023-24		2024-25	
	Target	Funds required	Target	Funds required	Target	Funds required	Target	Funds required	Target	Funds required
Year wise	**360**	**1200**	**650**	**6500**	**750**	**9500**	**350**	**12500**	**319**	**11500**
Cumulative	360	1200	1010	7700	1760	17200	2110	29700	2429	41200

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

Plan Head	No of Projects	Total Length NL/GC/DL *(km)*	Length Commissioned up to Mar'20 *(Km)*	Balance length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr.)*	Total Exp upto Mar'20 *(Cr)*	Throw Forward As on 01.04.20 *(Cr)*
New lines	189	21,343	2,633	18,710	4,04,853	94,575	3,10,278
Gauge conversion	54	7,003	3,733	3,270	59,699	23,405	36,294
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**

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PLANNING OF COMMISSIONING

S.N0.	Category of Project	Balance Length of project as on 01.04.20 *(Km)*	Commissioning *(Km)*					
			FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	Total
1	**Super Critical** *(Km)*	**1471**	**889**	**582**				**1471**
2	**Critical**							
2a	**Critical DL** *(Km)*	**6030**	1575	2019	1568	868		**6030**
2b	**Critical GC** *(Km)*	**45**	32	13				
2	**Total Critical** *(Km)*	**6075**	**1607**	**2032**	**1568**	**868**		**6030**
3	**Additional Coal Projects**							
3a	**Doubling** *(Km)*	**1122**	179	372	189	382		**1122**
3b	**New Line** *(Km)*	**362**	47	151	127	37		**362**
3c	**Gauge Conversion** *(Km)*	**24**	24					**24**
3	**Total of Additional Coal Projects** *(Km)*	**1508**	**250**	**523**	**316**	**419**		**1508**
4	**Additional Capacity Enhancement Projects on HDN HUN** *(Km)*							
4a	**Doubling** *(Km)*	**3444**	352	952	842	1298		**3444**
4b	**Gauge Conversion** *(Km)*	**30**	30					**30**
4	**Total Additional Capacity Enhancement Projects on HDN HUN** *(Km)*	**3474**	**382**	**952**	**842**	**1298**		**3474**
5	**National Project** *(Km)*	**696**	**60**	**28**	**222**	**126**	**146**	**582**
6	**Gauge Conversion** *(Km)*	**2193**	**738**	**640**	**318**	**351**		**2047**
7	**Total DL** *(Km)*	**12067**	**2995**	**3925**	**2599**	**2548**		**12067**
8	**Total NL** *(Km)*	**1058**	**107**	**179**	**349**	**163**	**146**	**944**
9	**Total GC** *(Km)*	**2292**	**824**	**653**	**318**	**351**		**2146**
10	**Traffic Facilities Works** *(Nos)*	**105**	**45**	**43**	**10**	**7**		**105**
11	**Railway Electrification Works** *(RKM)*	**23765**	**6000**	**6000**	**6500**	**5265**		**23765**

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Signalling ACTION PLAN & FUND REQUIREMENT (2021-24)

No.	Initiatives	Milestones							
		Action Plan (specific)	**Unit**	**Qty**	**2020-21**	**2021-22**	**2022-23**	**2023-24**	**Total (2021-24)**
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	Elemination 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 requiement of safety and Reliability of existing train operation	LS		Zonal Requiremnt	Zonal Requiremnt	Zonal Requiremnt	Zonal Requiremnt	

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Summary - Target & Fund Requirement (2020-21 to 2023-24)

SN	Plan Head	20-21		21-22		22-23		23-24		Total	
		Target (Km)	Requirement of Fund (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)**	107	16817	179	16800	349	16550	163	10720	**798**	**60887**
2	**Gauge Conversion**	824	5143	653	3601	318	2538	351	2041	**2146**	**13323**
3	**Sub total (NL + GC)**	**931**	**21960**	**832**	**20401**	**667**	**19088**	**514**	**12761**	**2944**	**74210**
4	**Doubling (DL)**	2995	28704	3925	30812	2599	25100	2548	16350	**12067**	**100966**
5	**Total (NL+GC+DL)**	**3926**	**50664**	**4757**	**51213**	**3266**	**44188**	**3062**	**29111**	**15011**	**175176**
6	**Railway Electrification**	6000	6616	6000	7573	6000	5532	5265	3282	**23265**	**23003**
7	**S&T (Signalling Replacement & reliability improvement works)(RRSK)**	335 Stn, 250 LC & other works	1847	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	**8871**
8	**S&T (TCAS, LTE, ABS, CTC on HDN & Freight Dense HUN Routes)(EBR-IF)**			1428	4048	2501	4048	3216	4047	**7145**	**12143**
9	**Traffic Facility**	45	1077	43	2264	10	2264	7	1132	**105**	**6737**
10	**Raising of speed to 160 kmph**		1349		4047		5396	3005	2698	**3005**	**13490**
	Capital (1+2+7)		23807		23111		21507		14656		83081
	EBR-IF (4+6+8+9+10)		**37746**		**48744**		**42340**		**27509**		**156339**
	Total		**61553**		**71855**		**63847**		**42165**		**239420**

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PRIORITY PROJECTS OF NEW LINES - NATIONAL PROJECTS

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	3833	3630	203	Commissioned
2	NFR	NFR	NL	Bogibeel bridge	Assam	1997-98	93	9270	0	5643	5543	100	Commissioned
3	NFR	NFR	NL	Harmoti-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	1644	1586	58	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	526	6227	Mar-25
8	NFR	IRCON	NL	Sivok-Rangpo	West Bengal & Sikkim	2008-09	44	0	44	4085	695	3390	Mar-23
9	NFR	NFR	NL	Teteliya-Byrnihat	Assam & Meghalaya	2006-07	22	10	11	1532	722	810	Not Fixed
10	NFR	NFR	NL	Bhairabi-Sairang	Mizoram	2008-09	51	0	51	5021	3588	1433	Mar-23
11	NFR	NFR	NL	Dimapur-Kohima	Assam & Nagaland	2006-07	88	0	88	5806	964	4842	Mar-23
12	NFR	NFR	NL	Jiribam-Imphal	Manipur	1997-98	111	12	99	12524	10095	2429	Mar-23
13	NR	NR	NL	Udhampur-Srinagar Baramulla Rail Link	J&K	1994-95	272	161	111	27949	18000	9949	Dec-22
14	RVNL	RVNL	NL	Rishikesh-Karnaprayag	Uttarakhand	2010-11	125	6	119	16216	1725	14491	Dec-24
15	NFR	NFR	NL	Byrnihat-Shillong	Meghalaya	2010-11	108	0	108	6001	264	5737	Not Fixed
				Total	**15**		**2145**	**10626**	**696**	**110235**	**60242**	**49994**	

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GAUGE CONVERSION

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	ECR	**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	NCR	NCR	**Gwalior-Sheopurkalan**	Rajasthan & Madhya Pradesh	2010-11	188	0	188	2913	215	2698	Dec-24
6	NCR	NCR	**Dholpur-Sirmuttra**	Rajasthan	2010-11	70	0	70	560	22	538	Mar-24
7	NER	NER	**Pilibhit-Shahjahanpur**	Uttar Pradesh	2017-18	83	38	45	427	400	27	Mar-21
8	NER	NER	**Lucknow-Pilibhit via Sitapur, Lakhimpur**	Uttar Pradesh	2011-12	263	195	68	1400	1396	4	Mar-22
9	NER	NER	**Indara-Dohrighat**	Uttar Pradesh	2016-17	34	0	34	213	13	200	Mar-22

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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
10	NER	NER	**Baharaich -Nanpara-Nepal Ganj**	UP	2017-18	56	0	56	487	0	487	Mar-24
11	NWR	NWR	**Mavli Jn.-Bari Sadri**	Rajasthan	1996-97	82	0	82	420	239	181	Jul-21
12	SECR	SECR	**Chhindwara-Nagpur**	Maharashtra & Madhya Pradesh	2005-06	150	130	20	1414	1386	28	Commissioned in 20-21
13	SECR	SECR	**Jabalpur-Gondia**	Maharashtra & Madhya Pradesh	1996-97	285	261	24	2005	1717	288	Oct-20
14	SECR	SECR	**Chhindwara-Mandla Fort**	Madhya Pradesh	2010-11	182	18	165	1268	777	491	Dec-21
15	SECR	SECR	**Kendri-Dhamtari & Abhanpur-Rajim**	Chhattisgarh	2011-12	67	0	67	544	0	544	Mar-24
16	SECR	SECR JV	**Nagbir-Nagpur**	Maharashtra	2013-14	116	0	116	1400	6	1394	Mar-22
17	SR	SR	**Tambram-Chengalpattu**	Tamil nadu	2015-16	30	0	30	280	240	40	Dec-20
18	SR	SR	**Tiruturaipundi-Agastiyampalli**	Tamil nadu	2007-08	37	0	37	222	200	22	Sep-21
19	SR	SR	**Madurai-Bodinayakkanur**	Tamil nadu	2008-09	90	37	53	450	231	219	Sep-22
20	WR	WR	**Dabhoi-Chandod GC**	Gujarat	2017-18	18	0	18	144	130	14	Dec-20
21	WR	WR	**Dhasa-Jetalsar**	Gujarat	2012-13	104	0	104	873	456	417	Mar-21
22	WR	WR	**Ahmedabad-Botad**	Gujarat	2012-13	170	0	170	1500	1077	423	Mar-21
23	WR	WR	**MehsanaTaranga Hill**	Gujarat	2011-12	54	33	21	368	330	38	Oct-21
24	WR	WR	**Ahmedabad-Mahesana**	Gujarat	2015-16	69	24	45	478	291	187	Oct-21

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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
25	WR	WR	**Bhuj Naliya**	Gujarat	2003-04	101	30	71	827	126	701	Not Fixed
26	WR	G-RIDE	**Katosan Rd-Chansama**	Gujarat	2017-18	52	0	52	630	12	618	Mar-24
27	WR	G-RIDE	**Chansama-Rannauj**	Gujarat	2017-18	13	0	13	168	3	165	Mar-24
28	WR	WR	**Miyagam-Karjan-Dabhoi-Samalaya**	Gujarat	2011-12	96	0	96	844	135	709	Mar-24
29	WR & NWR	WR & NWR	**Ahmedabad-Himmatnagar-Udaipur**	Gujarat & Rajasthan	2008-09	296	134	162	2032	1603	429	Mar-22
30	WR & SCR	WR & SCR	**Ratlam-Mhow-Khandwa-Akola and MM of Fatehabad-Chandrawati Ganj-Ujjain**	Maharashtra & MP	2008-09	496	198	298	5411	1939	3472	Not Fixed
			Total		**30**	**3913**	**1621**	**2292**	**31142**	**16089**	**15053**	

SUMMARY OF ALL THROUGHPUT ENHANCEMENT PROJECTS ON HDN & HUN ROUTES ON INDIAN RAILWAYS

SN	Rly	Route	Total		Un-Sanctioned		Sanctioned	
			Nos	Balance Length *(Km)*	Nos	Balance Length *(Km)*	Nos	Balance Length *(Km)*
1	**CR**	HDN	12	1327	2	435	10	892
		HUN	2	464	-	-	2	464
		Total	**14**	**1791**	**2**	**435**	**12**	**1356**
2	**ER**	HDN	5	38	1	5	4	33
		HUN	4	110	1	7	3	103
		Total	**9**	**148**	**2**	**12**	**7**	**136**
3	**ECR**	HDN	5	103	1	32	4	71
		HUN	17	1203	3	282	14	921
		Total	**22**	**1306**	**4**	**314**	**18**	**992**
4	**ECOR**	HDN	4	483	1	385	3	98
		HUN	13	1313	-	-	13	1313
		Total	**17**	**1796**	**1**	**385**	**16**	**1411**
5	**NR**	HDN	2	84	1	4	1	80
		HUN	17	1228	7	728	10	500
		Total	**19**	**1312**	**8**	**732**	**11**	**580**
6	**NCR**	HDN	20	1228	5	480	15	748
		HUN	5	276	4	157	1	119
		Total	**25**	**1504**	**9**	**637**	**16**	**867**
7	**NER**	HDN	3	184	0	0	3	184
		HUN	8	629	1	87	7	542
		Total	**11**	**813**	**1**	**87**	**10**	**726**

SUMMARY OF ALL THROUGHPUT ENHANCEMENT PROJECTS ON HDN & HUN ROUTES ON INDIAN RAILWAYS

SN	Rly	Route	Total		Un - Sanctioned		Sanctioned	
			Nos	Balance Length *(Km)*	Nos	Balance Length *(Km)*	Nos	Balance Length *(Km)*
8	**NFR**	HDN	5	223	2	28	3	195
		HUN	4	715	2	446	2	269
		Total	**9**	**938**	**4**	**474**	**5**	**464**
9	**NWR**	HDN	1	7	1	7	-	-
		HUN	6	1117	2	938	4	179
		Total	**7**	**1124**	**3**	**945**	**4**	**179**
10	**SR**	HDN	2	6	1	4	1	2
		HUN	16	980	5	542	11	438
		Total	**18**	**986**	**6**	**546**	**12**	**440**
11	**SCR**	HDN	6	1109	1	333	5	776
		HUN	7	1842	3	1164	4	678
		Total	**13**	**2951**	**4**	**1497**	**9**	**1454**
12	**SER**	HDN	9	437	1	10	8	427
		HUN	7	413	3	196	4	217
		Total	**16**	**850**	**4**	**206**	**12**	**644**
13	**SECR**	HDN	5	448	-	-	5	448
		HUN	5	404	1	148	4	256
		Total	**10**	**852**	**1**	**148**	**9**	**704**

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SUMMARY OF ALL THROUGHPUT ENHANCEMENT PROJECTS ON HDN & HUN ROUTES ON INDIAN RAILWAYS

SN	Rly	Route	Total		Un - Sanctioned		Sanctioned	
			Nos	Balance Length *(Km)*	Nos	Balance Length *(Km)*	Nos	Balance Length *(Km)*
14	**SWR**	HDN	-	-	-	-	-	-
		HUN	9	723	2	163	7	560
		Total	**9**	**723**	**2**	**163**	**7**	**560**
15	**WR**	HDN	-	**-**	-	-	-	-
		HUN	8	676	1	133	7	543
		Total	**8**	**676**	**1**	**133**	**7**	**543**
16	**WCR**	HDN	4	76	0	0	4	76
		HUN	8	727	0	0	8	727
		Total	**12**	**803**	**0**	**0**	**12**	**803**
Grand Total		**HDN**	**83**	**5753**	**17**	**1723**	**66**	**4030**
		HUN	**136**	**12820**	**35**	**4991**	**101**	**7829**
		Total	**219**	**18573**	**52**	**6714**	**167**	**11859**

Note:

05 Projects namely **Itarsi Nagpur 3rd line** are being executed by **CR & WCR, Rosa-Sitapur** by **NR & NER, Pune Miraj Londa by CR & SWR** , **Bye pass at Sainthia, Sitarmpur, Mughalsarai, Allahabad, Etawah** by **NCR, ECR & ER** and **Raipur - Titlagarh** by RVNL *(covering ECOR & SECR).* These projects are counted & their Proportionate lengths has been accounted in these Railway.

SCOPE OF MULTI -TRACKING ON INDIAN RAILWAYS (*length in Km*)

SN	Route	Nos	Balance Length of Main Project as on 01.04.20					
			Total Balance	DL	3rd line	4th Line	By Pass Fly over	Total
1	**HDN**							
	Total HDN	**80**	**5788**	**511**	**4145**	**875**	**257**	5788
	Unsanctioned	17	**1723**	7	1179	465	72	1723
	Sanctioned	63	**4065**	504	2966	410	185	4065
	Frozen	**1**	**35**		**35**			**35**
	Net Sanctioned Executable Projects on HDN Routes	**62**	**4030**	**504**	**2931**	**410**	**185**	**4030**
2	**HUN**							
	Total HUN	**138**	**12763**	**10884**	**1470**	**180**	**229**	**12763**
	Unsanctioned	35	**4992**	4661	249	-	82	4992
	Sanctioned	103	**7801**	6223	1251	180	147	7801
	Frozen	2	**17**			15	2	17
	Net Sanctioned Executable Projects on HUN Routes	**99**	**7784**	**6223**	**1251**	**165**	**145**	**7784**
3	**Others**							
	Total Normal	**43**	**2495**	**2397**	**69**	**10**	**19**	**2495**
	Unsanctioned	9	**803**	792			11	**803**
	Sanctioned	34	**1692**	1605	69	10	8	**1692**
	Frozen	3	**107**	107				**107**
	Net Sanctioned Executable Projects on Others Routes	**28**	**1585**	**1498**	**69**	**10**	**8**	**1585**
	Total Sanctioned Executable Multi-Tracking	**189**	**13399**	**8225**	**4251**	**585**	**338**	**13399**

SUMMARY OF ONLY SANCTIONED THROUGHPUT ENHANCEMENT PRIORITY PROJECTS ON HDN & HUN ROUTES

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HDN/ HUN	Priority	Total Projects	Total Length *(Km)*	Length Commissioned upto 31.03.20 (Km)	Balance Length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Exp. upto 31.03.20 *(Cr)*	Throw-forward as on 01.04.20 *(Cr)*
HDN	**Super Critical**	18	861	518	343	9739	7899	1840
	Critical	28	2411	66	2345	27383	7185	20198
	Other Coal	6	942	141	801	9550	3122	6428
	Total **Priority** Projects on **HDN** Route	**52**	**4214**	**725**	**3489**	**46672**	**18206**	**28466**
HUN	**Super Critical**	20	2030	963	1068	18692	13921	4771
	Critical	36	4093	703	3390	38792	15922	22870
	Other Coal	4	300	19	281	3403	1132	2271
	Total **Priority** Projects on **HUN** Route	**60**	**6423**	**1685**	**4739**	**60887**	**30975**	**29912**
Total HDN + HUN	**Super Critical**	38	2891	1481	1411	28431	21820	6611
	Critical	64	6504	769	5735	66175	23107	43068
	Other Coal	10	1242	160	1082	12953	4254	8699
	Grand Total of Priority Projects on **HDN** & **HUN** Routes	**112**	**10637**	**2410**	**8228**	**107559**	**49181**	**58378**

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THROUGHPUT ENHANCEMENT SUPER CRITICAL PROJECTS

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	Importance of Project	Route	Length of Main Project (Km)	Length of Main Project Commissioned upto Mar 20. (Km)	Balance Length of Main Project as on 01.04.20 (Km)	Anticipitated 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	2091	634	Mar-21
2	CR	CR & SECR	DL	**Godhani-Kalumna Chord**	Bye pass	Maharashtra	2010-11		HDN	14	6	8	122	104	18	Nov-20
3	CR	CR	DL	**Bhusawal-Jalgaon 3rd line**	3rd Line	Maharashtra	2011-12		HDN	24	13	12	305	303	2	Oct-20
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	Sep-20
5	ECoR	RVNL	DL	**Khurda Road-Barang**	3rd Line	Odisha	2003-04	Coal	HDN	32	26	7	433	400	33	Jun-21
6	ECoR	RVNL	DL	**Sambalpur-Titlagarh**	DL	Odisha	2006-07	Coal & Port	HUN	182	106	76	2009	1485	524	Dec-21
7	ECoR SECR	RVNL	DL	**Raipur-Titlagarh.**	DL	Chhatisgarh & Odisha	2007-08	Coal & Port	HUN	203	119	84	1889	1276	613	Dec-21
8	ECoR	RVNL	DL	**Banspani-Daitari-Tomka-Jakhapura**	DL	Odisha	2009-10	Port	HUN	164	108	56	1536	1067	469	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	25	16	10	Dec-21
11	ECR	ECR	DL	**Katareah-Kursela Patch Doubling incl. bridge on river Kosi**	DL	Bihar	2012-13		HDN	7	0	7	190	179	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	746	565	181	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	130	59	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	418	132	Mar-21
18	ER	ER	DL	**Boinchi-Shaktigarh 3rd line .**	3rd Line	West Bengal	2011-12		Others	26	18	8	400	265	135	Nov-21
19	ER	ER	DL	**Pirpainti-Bhagalpur**	DL	Bihar	2011-12		HUN	51	51	0	782	502	280	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	1575	1217	358	Dec-21
22	NCR	NCR	DL	**Mathura-Palwal 4th 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	266	223	43	Mar-21
24	NFR	NFR	DL	**Ambari Falakata-New Maynaguri .**	DL	West Bengal	2011-12		HDN	38	32	6	798	776	22	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

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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	Importance of Project	Route	Length of Main Project (Km)	Length of Main Project Commissioned upto Mar 20. (Km)	Balance Length of Main Project as on 01.04.20 (Km)	Anticipitated Cost (Cr.)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Target date of completion
26	NR	NR	DL	**Jallandhar-Pathankot-Jammu Tawi .**	DL	Punjab & J&K	1997-98		Others	209	204	5	858	850	8	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-Madhopur Punjab - doubling across Ravi Bridge**	DL	Punjab	2010-11		Others	3	0	3	120	76	44	Jun-21
31	NR	RVNL	DL	**Utretia-Raibareilly**	DL	Uttar Pradesh	2011-12		HUN	66	45	21	575	536	39	Mar-21
32	NR	RVNL	DL	**Raibareilly-Amethi**	DL	Uttar Pradesh	2013-14		HUN	60	15	45	475	429	46	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	350	296	54	Mar-21
35	NWR	NWR	DL	**Alwar-Bandikui .**	DL	Rajasthan	2013-14		HUN	60	60	0	460	416	44	Commissioned in 2019-20
36	SCR	RVNL	DL	**Vijaywada-Gudivada-Bhimavaram-Narsapur, Gudivada-Machlipatnam & Bhimavaram-Nidadavolu DL .**	DL	Andhra Pradesh	2011-12		HUN	221	57	164	2500	1825	675	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	333	301	32	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	Nov-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	**Rajkharswan-Chakradharpur 3rd line**	3rd Line	Jharkhand	2012-13		HDN	20	18	2	202	187	16	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	89	79	10	Commissioned in 2019-20
45	SER	SER	DL	**Chakardharpur-Goilkera 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	258	217	41	Nov-20
48	SR	SR	DL	**Chengalpattu-Villupuram**	DL	Tamilnadu	2006-07		HUN	103	103	0	951	798	154	Commissioned
49	SR	SR	DL	**Kankanadi-Panambur**	DL	Karnataka	2006-07	Port	HUN	19	14	5	238	219	19	May-21
50	SR	SR	DL	**Kurruppanthara-Chingavanam .**	DL	Kerala	2007-08		HUN	27	8	19	457	414	43	Dec-21
51	SR	SR	DL	**Ambalapuzha-Haripad .**	DL	Kerala	2007-08		HUN	18	18	0	346	292	54	Feb-21

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	Importance of Project	Route	Length of Main Project (Km)	Length of Main Project Commissioned upto Mar 20. (Km)	Balance Length of Main Project as on 01.04.20 (Km)	Anticipitated Cost (Cr.)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Target date of completion
52	SR	SR	DL	**Omalur-Metturdam Patch Doubling .**	DL	Tamilnadu	2011-12	Coal	Others	29	0	29	232	196	36	Dec-20
53	WCR	RVNL	DL	**Bina-Kota .**	DL	Rajasthan & Madhya Pradesh	2011-12	Coal	HUN	283	96	187	1810	1271	564	Dec-21
54	WCR	RVNL	DL	**Barkhera-Habibganj 3rd line.**	3rd Line	Madhya Pradesh	2012-13		HDN	41	0	41	400	367	33	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	1105	1045	60	Dec-21
58	WR	WR	DL	**Vatva-Ahmedabad-3rd line with Automatic Signalling**	3rd Line	Gujarat	2013-14		HUN	8	0	8	50	48	2	Oct-20
				Total	**58 nos.**					**3750**	**2278**	**1471**	**36634**	**28566**	**8094**	

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THROUGHPUT ENHANCEMENT CRITICAL PROJECTS

S.No	Rly	Executing Agency	Plan Head	Name of Project	DL/ 3rd Line/ 4th Line/ Fly Over / Bye Pass	Project Falling in State (s)	Year of inclusion in Budget	Importance of Project	Priortiy of Project	Route	Length of Main Project (Km)	Length of Main Project Commissioned upto Mar 20 (Km)	Balance Length of Main Project as on 01.04.20 (Km)	Anticipitated 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	2012-13		Critical	HDN	76	19	57	540	284	256	Mar-24
2	CR	CR	DL	Wardha-Ballarshah 3rd line	3rd Line	Maharashtra	2015-16		Critical	HDN	132	13	119	1272	370	902	Mar-24
3	CR	CR	DL	Pune-Miraj-Londa	Doubling	Karnataka & Maharashtra	2015-16		Critical	HUN	466	53	413	3927	1297	2630	Mar-23
4	CR	CR	DL	Manmad Jalgaon 3rd line	3rd Line	Maharashtra	2016-17		Critical	HDN	160	0	160	1035	185	850	Mar-24
5	CR	CR	DL	Wardha-Nagpur 4th line	4th Line	Maharashtra	2016-17		Critical	HDN	79	0	79	638	131	507	Mar-24
6	CR	CR	DL	4th line between Jalgaon-Bhusawal	4th Line	Maharashtra	2016-17		Critical	HDN	24	0	24	261	118	143	Mar-22
7	ECoR	ECoR	DL	Bhadrak-Nergundi 3rd line	3rd Line	Odisha	2012-13		Critical	HDN	92	4	88	843	160	683	Mar-24
8	ECoR	RVNL	DL	Vizianagram-Titlagarh (Sambalpur) 3rd line	3rd Line	Andhra Pradesh &	2015-16		Critical	HUN	265	16	248	2575	779	1796	Mar-24
9	ECoR	ECoR	DL	Jarapaada- Budhapank 3rd & 4th line with flyover at Talcher.	3rd & 4th Line	Odisha	2015-16	Coal & Port	Critical	HUN	101	0	101	810	150	660	Mar-24
10	ECoR	ECoR	DL	Budhapank- Salegaon via Rajatgarh 3rd & 4th line	3rd & 4th Line	Odisha	2015-16	Coal & Port	Critical	HUN	170	0	170	1173	564	609	Mar-24
11	ECoR	ECoR	DL	Jagdalpur-Koraput	Doubling	Chhatisgarh & Odisha	2015-16		Critical	HUN	110	44	67	1547	469	1079	Mar-23
12	ECR	ECR	DL	Jarangdih-Danea Patch Doubling	Doubling	Jharkhand	2013-14	Coal	Critical	HUN	29	7	22	332	324	8	Mar-22
13	ECR	ECR	DL	Danea-Ranchi Road	Doubling	Jharkhand	2013-14		Critical	HUN	25	11	14	324	224	100	Commissioned
14	ECR	ECR	DL	Garhwa Road-Ramna	Doubling	Jharkhand	2013-14		Critical	HUN	32	12	20	348	227	122	Mar-22
15	ECR	ECR	DL	Ramna-Singrauli	Doubling	Jharkhand, Madhya Pradesh & Uttar Pradesh	2015-16	Coal	Critical	HUN	160	7	153	2436	721	1716	Mar-24

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THROUGHPUT ENHANCEMENT CRITICAL PROJECTS

S.No	Rly	Executing Agency	Plan Head	Name of Project	DL/ 3rd Line/ 4th Line/ Fly Over / Bye Pass	Project Falling in State (s)	Year of inclusion in Budget	Importance of Project	Priortiy of Project	Route	Length of Main Project *(Km)*	Length of Main Project Commissioned upto Mar 20 *(Km)*	Balance Length of Main Project as on 01.04.20 *(Km)*	Anticipitated 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	2015-16	Coal	Critical	HUN	291	0	291	3406	450	2956	Dec-23
17	ECR	ECR	DL	Karaila Road-Shaktinagar	Doubling	Madhya Pradesh & Uttar Pradesh	2015-16	Coal	Critical	HUN	32	0	32	529	135	394	Mar-23
18	ECR	ECR	DL	Ranchi Road- Patratu	Doubling	Jharkhand	2015-16	Coal	Critical	HUN	31	8	23	348	128	220	Mar-24
19	ECR	ECR	DL	Karota Patner - Mankatha Surface triangle	By Pass	Bihar	2016-17		Critical	HUN	8	0	8	129	29	100	Mar-22
20	ECR	ECR	DL	Garhwa Road ROR	Fly Over	Jharkhand	2016-17		Critical	HUN	7	0	7	263	55	207	Mar-22
21	ECR	ECR	DL	Gomoh- Flyover for DN trains	Fly Over	Jharkhand	2016-17		Critical	HDN	22	0	22	488	0	487	Dec-23
22	ECR	ECR	DL	Darbhanga bypass line connecting Shisho Halt and Kakarghati exclusing Darbhanga Yard	By Pass	Bihar	2018-19		Critical	HUN	8	0	8	253	0	253	May-22
23	ER	ER	DL	Liluah-Dankuni 3rd line	3rd Line	West Bengal	2009-10		Critical	HDN	6	6	0	257	133	125	Commissioned
24	ER	ER	DL	Sagardighi- Malda Town (Nimtita - New Farakka)	Doubling	West Bengal	2015-16	Coal	Critical	HUN	25	10	16	248	102	146	Dec-22
25	NCR	RVNL	DL	Mathura-Jhansi 3rd line	3rd Line	Madhya Pradesh, Rajasthan & Uttar Pradesh	2015-16	Coal	Critical	HDN	274	0	274	3678	803	2875	Dec-23
26	NCR	NCR	DL	Lalitpur-Birari with flyover at Lalitpur	Fly Over	Uttar Pradesh	2016-17		Critical	HDN	16	0	16	304		304	Mar-23
27	NCR	NCR	DL	Bhaupur-Panki - 4th line Connecing Dn Loop of Bhaupur to Shunting neck of Panki	4th Line	Uttar Pradesh	2017-18		Critical	HDN	11	0	11	97		97	Jun-21
28	NCR	NCR	DL	Naini - Chheoki- 3rd Down line with additional Platform.	3rd Line	Uttar Pradesh	2017-18	Coal	Critical	HDN	2	0	2	25	13	12	Dec-20

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THROUGHPUT ENHANCEMENT CRITICAL PROJECTS

S.No	Rly	Executing Agency	Plan Head	Name of Project	DL/ 3rd Line/ 4th Line/ Fly Over / Bye Pass	Project Falling in State (s)	Year of inclusion in Budget	Importance of Project	Priortiy of Project	Route	Length of Main Project (Km)	Length of Main Project Commissioned upto Mar 20 (Km)	Balance Length of Main Project as on 01.04.20 (Km)	Anticipitated 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	2018-19		Critical	HDN	3	0	3	34	0	34	Oct-23
30	NCR	NCR	DL	Ruma Chakeri-Chandari - 3rd line	3rd Line	Uttar Pradesh	2018-19	Coal	Critical	HDN	13	0	13	182	2	180	Mar-23
31	NCR	NCR	DL	Chipiyana Buzurg - Dadri 4th line	4th Line	Uttar Pradesh	2018-19	Coal	Critical	HDN	12	0	12	164	0	164	Mar-23
32	NCR	NCR	DL	Dailwara - Berari - Chord Line (5.2 km)	By Pass	Uttar Pradesh	2018-19		Critical	HDN	5	0	5	50	0	50	Mar-23
33	NER	NER	DL	Rosa-Sitapur Cantt-Burhwal	Doubling	Uttar Pradesh	2015-16		Critical	HDN	181	0	181	1295	518	778	Feb-22
34	NER	RVNL	DL	Varanasi-Madhosingh-Allahabad	Doubling	Uttar Pradesh	2015-16		Critical	HUN	120	28	92	1000	464	536	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	2016-17		Critical	HDN	21	0	21	187	48	139	Feb-22
36	NER	NER	DL	Burhwal Gonda 3rd line	3rd Line	Uttar Pradesh	2016-17		Critical	HDN	62	0	62	714	40	674	Dec-23
37	NER	NER	DL	Malhaur-Daliganj doubling with electrification	Doubling	Uttar Pradesh	2017-18		Critical	HUN	13	0	13	113	29	84	Feb-22
38	NFR	NFR	DL	New Bongaigaon-Agthori via Rangiya (New Bongaigaon- Rangiya - Kamakhya)	Doubling	NER Assam	2013-14		Critical	HDN	143	0	143	2043	1	2042	Mar-23
39	NFR	NFR	DL	New Mainaguri-Gumanihat remaining portion	Doubling	West Bengal	2016-17		Critical	HDN	52	5	46	760	540	220	Mar-21
40	NR	NR	DL	Alamnagar-Utretia	Doubling	Uttar Pradesh	2015-16		Critical	HUN	20	0	20	338	140	198	Dec-21
41	NR	RVNL	DL	Rajpura-Bhatinda	Doubling	Punjab	2015-16	Coal	Critical	Others	173	0	173	1769	117	1652	Jun-22
42	NR	NR	DL	Barabanki-Akbarpur	Doubling	Uttar Pradesh	2016-17		Critical	HUN	161	0	161	1116	35	1081	Dec-23
43	NR	NR	DL	Jaunpur- Akbarpur (Tanda)	Doubling	Uttar Pradesh	2016-17	Coal	Critical	HUN	77	0	77	676	39	637	Mar-24
44	NWR	RVNL	DL	Sarotra Road-Karjoda Patch doubling	Doubling	Gujarat	2010-11		Critical	HUN	24	14	10	185	163	22	Commissioned
45	NWR	NWR	DL	Bangurgram-Guriya Patch DL	Doubling	Rajasthan	2012-13		Critical	HUN	47	33	14	413	268	145	Feb-21

THROUGHPUT ENHANCEMENT CRITICAL PROJECTS

S.No	Rly	Executing Agency	Plan Head	Name of Project	DL/ 3rd Line/ 4th Line/ Fly Over / Bye Pass	Project Falling in State (s)	Year of inclusion in Budget	Importance of Project	Priortiy of Project	Route	Length of Main Project *(Km)*	Length of Main Project Commissioned upto Mar 20 *(Km)*	Balance Length of Main Project as on 01.04.20 *(Km)*	Anticipitated Cost *(Cr.)*	Expenditure upto Mar 20 *(Cr.)*	Throw Forward as on 01.04.20 *(Cr)*	Target date of Completion
46	SCR	RITES	DL	Gooty-Dharmavaram	Doubling	Andhra Pradesh	2015-16		Critical	HUN	90	11	79	1053	509	544	Mar-21
47	SCR	RVNL	DL	Secunderabad-Mehboobnagar	Doubling	Telangana	2015-16		Critical	HUN	85	0	85	796	512	284	Jun-21
48	SCR	SCR	DL	Vijayawada, Kazipet Byepass line	By Pass	Andhra Pradesh & Telangana	2015-16	Coal	Critical	HDN	41	0	41	621	41	580	Mar-23
49	SCR	RVNL	DL	Vijaywada- Gudur 3rd line	3rd Line	Andhra Pradesh	2015-16		Critical	HDN	287	0	287	3549	1373	2176	Jun-22
50	SECR	SECR	DL	Jharsuguda-Bilaspur -4th line	4th Line	Chhatisgarh &	2015-16	Coal	Critical	HDN	206	18	188	1974	220	1754	Dec-23
51	SECR	RITES	DL	Pendra Road-Anuppur - 3rd line	3rd Line	Madhya Pradesh & Chhatisgarh	2015-16	Coal	Critical	HUN	50	0	50	394	331	63	Mar-21
52	SECR	SECR	DL	Anuppur-Katni-3rd line	3rd Line	Madhya Pradesh	2015-16	Coal	Critical	HUN	166	0	166	1691	360	1332	Mar-24
53	SECR	SECR	DL	Rajnandgaon-Nagpur 3rd line	3rd Line	Chhatisgarh & Maharashtra	2015-16		Critical	HDN	228	0	228	2753	696	2057	Dec-23
54	SER	SER	DL	Rourkela-Jharsuguda 3rd line	3rd Line	Odisha	2015-16	Coal	Critical	HDN	101	0	101	1313	671	642	Dec-21
55	SER	RVNL	DL	Kharagpur-Adityapur 3rd line	3rd Line	Jharkhand & West Bengal	2015-16	Coal	Critical	HDN	132	0	132	1312	407	906	Jul-22
56	SR	RVNL	DL	Madurai- Maniyachi-Tuticorin	Doubling	Tamilnadu	2015-16	Port	Critical	HUN	160	0	160	1182	808	374	Jun-22
57	SWR	RVNL	DL	Hospet-Hubli-Londa-Tinaighat-Vasco-de-Gama	Doubling	Karnataka & Goa	2010-11	Port	Critical	HUN	323	213	110	3000	1823	1177	Mar-23
58	SWR	SWR	DL	Hubli-Chikjajur	Doubling	Karnataka	2015-16		Critical	HUN	190	50	140	1141	993	148	Nov-21
59	SWR	SWR	DL	Arsikere-Tumkur	Doubling	Karnataka	2015-16		Critical	HUN	96	65	31	773	576	197	Mar-21
60	SWR	SWR	DL	Yelahanka-Penukonda	Doubling	Andhra Pradesh & Karnataka	2015-16		Critical	Others	123	37	86	988	822	166	Jun-21
61	WCR	RVNL	DL	Budhni-Barkhera - 3rd line	3rd Line	Madhya Pradesh	2010-11		Critical	HDN	27	0	27	992	432	561	Dec-22

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THROUGHPUT ENHANCEMENT CRITICAL PROJECTS

S.No	Rly	Executing Agency	Plan Head	Name of Project	DL/ 3rd Line/ 4th Line/ Fly Over / Bye Pass	Project Falling in State (s)	Year of inclusion in Budget	Importance of Project	Priortiy of Project	Route	Length of Main Project (Km)	Length of Main Project Commissioned upto Mar 20 (Km)	Balance Length of Main Project as on 01.04.20 (Km)	Anticipitated Cost (Cr.)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Target date of Completion
62	WCR	RVNL	DL	Katni- Grade separator / Byepass	Fly Over	Madhya Pradesh	2015-16	Coal	Critical	HUN	35	0	35	1248	115	1132	Mar-23
63	WCR	IRCON	DL	Katni- Singrauli	Doubling	Madhya Pradesh	2015-16	Coal	Critical	HUN	257	41	217	1763	778	985	Mar-23
64	WCR	WCR	DL	Satna-Rewa	Doubling	Madhya Pradesh	2015-16		Critical	Others	50	10	40	493	168	325	Mar-22
65	WR	RVNL SPV	DL	Palanpur-Samakhayali	Doubling	Gujarat	2012-13		Critical	HUN	248	39	209	1869	1527	342	Dec-21
66	WR	WR	DL	Surendranagar-Rajkot	Doubling	Gujarat	2015-16		Critical	HUN	116	15	101	1002	501	501	Dec-22
67	WR	WR	DL	Nimach-Chittaurgarh	Doubling	Rajasthan & Madhya Pradesh	2015-16		Critical	HUN	56	27	29	390	297	93	Dec-22
				Total Critical DL Projects	**67**						**6845**	**816**	**6030**	**69426**	**24215**	**45211**	
1	WR	WR	GC	Ahmedabad- Mahesana		Gujarat	2015-16		Critical	HUN	69	24	45	478	291	187	Oct-21
				Total Critical GC Projects	**1**						**69**	**24**	**45**	**478**	**291**	**187**	
				Grand Total of Critical Projects (DL + GC)	**68**						**6914**	**840**	**6075**	**69903**	**24505**	**45398**	

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THROUGHPUT ENHANCEMENT ADDITIONAL COAL PROJECTS

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	Priortiy	Route	Length of project *(Km)*	Length Commissioned upto Mar'20 *(Km)*	Balance length as on 01.04.20 *(Km)*	Anticipitated Cost (Cr)	Expenditure upto Mar 20 *(Cr.)*	Throw Forward as on 01.04.20 *(Cr)*	Target date of completiion
1	ECoR	RVNL	NL	NL	Angul-Sukinda Road	Odisha	1996-97	Priority-I	Others	104	0	104	2441	1057	1383	Jun-22
2	ECR	ECR	NL	NL	Koderma-Ranchi	Jharkhand	1998-99	Priority-I	Others	202	175	27	3700	3398	302	Mar-22
3	ECR	ECR	NL	NL	Koderma-Tilaiya	Bihar & Jharkhand	2001-02	Priority-I	Others	65	25	40	1626	600	1026	Mar-22
4	ER	ER	NL	NL	Hansdiha-Godda	Jharkhand	2011-12	Priority-I	Others	32	15	17	694	479	215	Dec-20
5	SCR	SCR	NL	NL	Bhadrachalam Road-Sattupalli	Telangana	2010-11	Priority-I	Others	56	0	56	928	320	608	Jun-21
6	SECR	CERL-1 (IRCON)	NL	NL	Kharsia-Dharamjaygarh with spur line (Raigarh (Mand Colliery)-Bhudeopur)	Chhatisgarh	2013-14	Priority-I	Others	122	43	80	3055	2181	874	Dec-21
					Total NL	**6**				**581**	**257**	**324**	**12443**	**8034**	**4409**	
7	SECR	SECR	GC	GC	Jabalpur-Gondia including Balaghat-Katangi	Maharashtra & MP	1996-97	Priority-I	Others	300	261	39	2005	1717	288	Apr-21
8	SR	SR	GC	GC	*Tiruchchirappali-Nagore-Karaikkal i*ncluding new MM Karaikudi-Paralam NL	Tamilnadu	1995-96	Priority-I	Others	168	145	23	1720	687	1033	Mar-24
					Total GC	**2**				**468**	**406**	**62**	**3725**	**2404**	**1321**	
9	CR, WCR	CR, WCR	DL	3rd line	Itarsi- Nagpur 3rd line. Bal.	Maharashtra & MP	2015-16	Priority-I	HDN	280	0	280	2450	233	2217	Mar-24
10	ECoR	ECoR	DL	Fly Over	Brundamal-Jharsuguda- flyover connection for joining DN Line	Odisha	2009-10	Priority-I	HUN	7	0	7	94	4	90	Mar-24
11	ECR	IRCON	DL	DL	Kiul- Gaya	Bihar	2015-16	Priority-I	HUN	124	19	105	1200	578	622	Mar-23
12	NCR	NCR WCR	DL	3rd line	Jhansi-Bina 3rd line	MP & UP	2015-16	Priority-I	HDN	153	0	153	2002	750	1252	Mar-24
13	SCR	SCR	DL	3rd line	Kazipet -Ballarshah - 3rd line Excl. Mandamari-Raghavapuram	Maharashtra & Telangana	2015-16	Priority-I	HDN	202	0	202	2063	1026	1037	Mar-24
14	SER	SER	DL	DL	Bondamunda-Ranchi	Jharkhand & Odisha	2015-16	Priority-I	HUN	159	0	159	1993	541	1452	Dec-23
15	SER	SER	DL	3rd line	Narayangarh-Bhadrak 3rd line	Odisha & WB	2016-17	Priority-I	HDN	153	0	153	1866	14	1853	Dec-23
16	SER	SER	DL	DL	Damodar-Mohisila	WB	2016-17	Priority-I	Others	8	0	8	99	40	59	Dec-20
17	SER	SER	DL	4th line	Bondamunda-Rourkela 4th line	Odisha	2016-17	Priority-I	HDN	9	0	9	94	31	63	Jun-21

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THROUGHPUT ENHANCEMENT ADDITIONAL COAL PROJECTS

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	Priortiy	Route	Length of project *(Km)*	Length Commissioned upto Mar'20 *(Km)*	Balance length as on 01.04.20 *(Km)*	Anticipitated Cost (Cr)	Expenditure upto Mar 20 *(Cr.)*	Throw Forward as on 01.04.20 *(Cr)*	Target date of completiion
18	SER	SER	DL	DL	Talgaria - Bokaro N/ Cabin - doubling (38 Km) with two loops at Chas & Ispatnagar	Jharkhand	2018-19	Priority-I	Others	32	0	32	512	7	505	Dec-21
19	SR	SR	DL	DL	Salem-Magnesite Junction-Omalur	Tamilnadu	2017-18	Priority-I	HUN	11	0	11	115	9	106	Mar-24
20	WCR	RVNL	DL	3rd line	Bhopal-Bina 3rd line.	MP	2008-09	Priority-I	HDN	145	141	3	1075	1069	6	Mar-21
					Total DL	**12**				**1282**	**160**	**1122**	**13563**	**4301**	**9262**	
					Grand Total NL+GC+DL	**20**				**2331**	**824**	**1508**	**29732**	**14739**	**14993**	

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ADDITIONAL SANCTIONED THROUGHPUT ENHANCEMENT PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd /4th line /Bye Pass/ Fly over	Name of Project	Project falling in State (s)	Year of inclusion in Budget	Route	Total length *(km)*	Length Commissioned upto Mar 20 *(Km)*	Balance length as on 01.04.20 *(Km)*	Anticipitated Cost *(Cr.)*	Expenditure upto Mar 20 *(Cr.)*	Throw Forward as on 01.04.20 *(Cr)*	Target date of Completion
1	ER	ER	NL	3rd line	**MM for Rampurhat-Murarai - 3rd line**	WB	1995-96	HUN	29	0	29	290	200	90	Mar-24
			NL		**Total**		**1**		**29**	**0**	**29**	**290**	**200**	**90**	
1	ER	ER	GC	DL	**MM for Katwa-Bazarsau - DL**	WB	2007-08	HUN	31	14	17	310	230	80	Jun-21
			GC		**Total**		**1**		**31**	**14**	**17**	**310**	**230**	**80**	
1	CR	CR	DL	3rd line	**Kalyan-Kasara - 3rd line**	Maharashtra	2011-12	HDN	68	0	68	1377	320	1058	Mar-24
2	CR	CR	DL	DL	**Daund Manmad**	Maharashtra	2016-17	HUN	236	15	221	2081	350	1731	Mar-24
3	ECoR	ECoR	DL	DL	**Kottavalasa-Koraput**	AP Odisha	2015-16	HUN	189	33	156	2500	490	2010	Mar-24
4	ECoR	ECoR	DL	DL	**Koraput-Singapur Rd.**	Odisha	2015-16	HUN	165	0	165	2362	271	2091	Mar-24
5	ECoR	ECoR	DL	Fly Over	**Baghuapal Fly over**	Odisha	2019-20	HUN	20	0	20	152	0	152	Mar-24
6	ECR	ECR	DL	DL	**Samastipur - Darbhanga**	Bihar	2015-16	HUN	38	10	28	519	216	303	Mar-23
7	ECR	ECR	DL	DL	**Sagauli-Valmiknagar**	Bihar	2016-17	HUN	110	0	110	1216	186	1030	Mar-23
8	ECR	ECR	DL	DL	**Muzaffarpur-Sugauli**	Bihar	2016-17	HUN	101	0	101	1186	78	1108	Mar-24
9	ER	ER	DL	DL	**Bazar Sau-Azimganj Jn.**	WB	2012-13	HUN	42	15	28	350	207	143	Feb-22
10	ER	ER	DL	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	150	124	26	Feb-21
11	NCR	NCR	DL	3rd line	**Mughalsarai-Allahabad, 3rd line**	UP	2015-16	HDN	150	0	150	2649	0	2649	Mar-24
12	NCR	NCR	DL	Fly Over	**Allahabad Division-Construction of Aligarh Flyover**	UP	2016-17	HDN	22	0	22	1179	0	1179	Mar-24

ADDITIONAL SANCTIONED THROUGHPUT ENHANCEMENT PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd /4th line /Bye Pass/ Fly over	Name of Project	Project falling in State (s)	Year of inclusion in Budget	Route	Total length *(km)*	Length Commissioned upto Mar 20 *(Km)*	Balance length as on 01.04.20 *(Km)*	Anticipitated Cost *(Cr.)*	Expenditure upto Mar 20 *(Cr.)*	Throw Forward as on 01.04.20 *(Cr)*	Target date of Completion
13	NCR	NCR	DL	3rd line	**Aligarh - Daud Khan 3rd line & construciton of flyover at Daud khan**	UP	2018-19	HDN	7	0	7	448	0	448	Mar-24
14	NCR	NCR	DL	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
15	NCR	NCR	DL	Fly Over	**Bhandai - Flyover for etawah bound down train**	UP	2018-19	HDN	10	0	10	186	0	186	Mar-24
16	NER	NER	DL	DL	**Chhapra-Ballia Patch Doubling**	Bihar UP	2012-13	HUN	65	0	65	477	379	98	Mar-22
17	NER	NER	DL	DL	**Ballia-Gazipur city**	UP	2015-16	HUN	65	0	65	448	182	265	Jul-22
18	NER	RVNL	DL	DL	**Phephna-Indara, Mau-Shahganj doubling excluding Indara-Mau**	UP	2016-17	HUN	150	0	150	1061	11	1050	Jun-23
19	NER	RVNL	DL	DL	**Bhatni-Aurnihar with electrification excluding Indara-Mau**	UP	2016-17	HUN	117	0	117	1178	1	1177	Mar-24
20	NFR	NFR	DL	DL	**New Bongaigaon-Goalpara-Guwahati (Kamakhaya)**	NER Assam	2015-16	HUN	176	9	167	2232	1056	1176	Mar-23
21	NFR	NFR	DL	DL	**Digaru-Hojai**	NER Assam	2015-16	HUN	102	0	102	2136	804	1332	May-21
22	NR	NR	DL	DL	**Janghai-Pratapgarh-Amethi**	UP	2016-17	HUN	87	0	87	720	42	677	Jun-23
23	NR	RVNL	DL	DL	**Janghai- Phaphamau with electrification**	UP	2017-18	HUN	47	0	47	409	1	408	Jun-23
24	NR	NR	DL	Bye pass	**Jaunpur Jn. - Jaunpur city -Chord line**	UP	2017-18	HUN	2	0	2	72	2	70	Jun-22
25	NR	NR	DL	3rd & 4th line	**Barabanki-Malhaur - 3rd & 4th Line**	UP	2017-18	HUN	33	0	33	407	33	374	Jun-22
26	NWR	NWR	DL	DL	**Degana-Rai ka Bagh**	Rajasthan	2018-19	HUN	146	0	146	809	91	718	Sep-22
27	SCR	SCR	DL	3rd line	**Kazipet-Vijaywada 3rd line with electrification**	AP Telangana	2012-13	HDN	220	0	220	1953	419	1533	Mar-24
28	SCR	SCR	DL	Bye pass	**Renigunta, Wadi & Gooty Byepass**	AP Karanataka	2015-16	HDN	27	0	27	273	19	255	22-23
29	SCR	SCR	DL	DL	**Guntakal- Guntur**	AP	2016-17	HUN	401	51	350	3631	842	2789	Mar-24

ADDITIONAL SANCTIONED THROUGHPUT ENHANCEMENT PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd /4th line /Bye Pass/ Fly over	Name of Project	Project falling in State (s)	Year of inclusion in Budget	Route	Total length *(km)*	Length Commissioned upto Mar 20 *(Km)*	Balance length as on 01.04.20 *(Km)*	Anticipitated Cost *(Cr.)*	Expenditure upto Mar 20 *(Cr.)*	Throw Forward as on 01.04.20 *(Cr)*	Target date of Completion
30	SECR	SECR	DL	Fly Over	**Jharsuguda-Bilaspur - Flyover/ Bye pass**	Odisha	2015-16	HDN	10	0	10	300	0	300	Mar-24
31	SER	SER	DL	DL	**Dumitra-link "C" line , connection with Bisra Station.**	Odisha	2017-18	HUN	2	0	2	39	1	38	Jun-21
32	SER	SER	DL	DL	**Purulia-Kotshila**	WB	2018-19	HUN	39	0	39	394	5	389	Jun-22
33	SER	SER	DL	Bye pass	**Lodhma - Piska - Link Line bypassing Hatia/Ranchi with Y connection**	Jharkhand	2018-19	HUN	17	0	17	598	1	597	Dec-22
34	SR	SR	DL	DL	**Ernakulam-Kumbalam**	Kerala	2010-11	HUN	8	0	8	189	7	183	Mar-24
35	SR	SR	DL	DL	**Kumbalam-Thuravur Patch doubling (15.59 km)**	Kerala	2011-12	HUN	16	0	16	253	10	243	Mar-24
36	SR	SR	DL	DL	**Trivandrum- Kanyakumari**	Kerala Tamilnadu	2015-16	HUN	87	0	87	1432	164	1267	Mar-24
37	SR	RVNL	DL	DL	**Maniyachi- Nagercoil**	Tamilnadu	2015-16	HUN	102	0	102	1004	484	520	Jun-22
38	SR	SR	DL	DL	**Netrawati- Mangalore Central**	Karanataka	2016-17	HUN	2	0	2	28	9	19	Feb-21
39	SWR	SWR	DL	3rd & 4th line	**Bangalore-Whitefield-Bangalore City-Krishnarajapuram Quadrupling**	Karanataka	1997-98	HUN	40	0	40	493	6	487	Dec-22
40	SWR	K - RIDE	DL	DL	**Baiyapannahalli to Hosur**	Karanataka Tamilnadu	2018-19	HUN	48	0	48	499	11	488	Mar-24
41	SWR	K - RIDE	DL	DL	**Yeshwantpur to Channasandra**	Karanataka	2018-19	HUN	22	0	22	314	0	314	Mar-24
42	WCR	WCR	DL	3rd line	**Katni - Bina -3rd line**	MP	2015-16	HUN	279	19	260	2875	611	2264	Mar-24
43	WCR	WCR	DL	Bye pass	**Ruthiyai-Bye Pass line**	MP	2019-20	HUN	3	0	3	49	0	49	Mar-24
44	WCR	WCR	DL	Bye pass	**Guna- Bye Pass line**	MP	2019-20	HUN	2	0	2	52	0	52	Mar-24
45	WR	WR	DL	Doubling	**Mehsana-Palanpur**	Gujarat	2018-19	HUN	65	0	65	540	0	540	Mar-24

780403/2020/MECHANICAL(WAGON)

ADDITIONAL SANCTIONED THROUGHPUT ENHANCEMENT PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd /4th line /Bye Pass/ Fly over	Name of Project	Project falling in State (s)	Year of inclusion in Budget	Route	Total length *(km)*	Length Commissioned upto Mar 20 *(Km)*	Balance length as on 01.04.20 *(Km)*	Anticipitated Cost *(Cr.)*	Expenditure upto Mar 20 *(Cr.)*	Throw Forward as on 01.04.20 *(Cr)*	Target date of Completion
46	WR	WR	DL	Bye pass	**Bhildi-Bye Pass line**	Gujarat	2019-20	HUN	1	0	1	11	0	11	Mar-24
					Total		**46**		**3556**	**158**	**3398**	**41725**	**7432**	**34293**	
					Grand Total		**48**		**3616**	**172**	**3444**	**42325**	**7862**	**34463**	

UN-SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/ 4th line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Route	Length of Project *(Km)*	Main Project commissioned upto Mar 20. *(Km)*	Bal. Length of Main Project on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto Mar 20 *(Cr.)*	Throw Forward as on 01.04.20 *(Cr)*
1	CR	MRIDC	DL	3rd line	**Igatpuri - Manmad 3rd line**	2018-19	HDN	122	0	122	1448	0	1448
2	CR	CR	DL	3rd line	**Bhusawal-Wardha 3rd Line**	2019-20	HDN	313	0	313	2485	0	2485
3	ECoR	RVNL	DL	3rd line	**Bhadrak-Vizianagram 3rd line**	2015-16	HDN	385	0	385	4601	2	4599
4	ECR	ECR N	DL	3rd & 4th line	**Barauni- Bachwara 3rd & 4th line**	2019-20	HDN	32	0	32	645	0	645
5	ECR	ECR S	DL	Bye pass	**Sonenagar bye pass line from Chiralapothu to Bagha Bishunpur**	2019-20	HUN	10	0	10	126	0	126
6	ECR	ECR S	DL	Doubling	**Doubling of Pradhan Kuntha Jn- Pathardih Bazar-Bhojudih**	2019-20	HUN	17	0	17	171	0	171
7	ECR	ECR N	DL	Doubling	**Doubling of Narkatiaganj-Raxaul- Sitamarhi-Darbhanga & Sitamarhi-Muzaffarpur**	2019-20	HUN	256	0	256	2555	0	2555
8	ER	ER	DL	Bye pass	**Madhupur bye-pass line**	2019-20	HUN	7	0	7	154	0	154

780403/2020/MECHANICAL(WAGON)

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/ 4th line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Route	Length of Project *(Km)*	Main Project commissioned upto Mar 20. *(Km)*	Bal. Length of Main Project on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto Mar 20 *(Cr.)*	Throw Forward as on 01.04.20 *(Cr)*
9	NCR	ER	DL	Bye pass	**Byepass at Sitarmpur**	2015-16	HDN	5	0	5	435	0	435
10	NCR	NCR	DL	Fly Over	**Iradatganj-Kunwahdih Construction of Flyover**	2016-17	HUN	23	0	23	2878	0	2878
11	NCR	NCR	DL	Fly Over	**Karchhana- Iradatganj Construction of Flyover**	2016-17	HUN	13	0	13	1042	0	1042
12	NCR	NCR	DL	Fly Over	**Naini - Irdatganj Construction of Flyover**	2016-17	HUN	13	0	13	681	0	681
13	NCR	NCR	DL	Fly Over	**Allahabad Division. Construction of Kanpur fly-over.**	2017-18	HDN	30	0	30	2098	0	2098
14	NCR	NCR	DL	4th line	**Mathura-Dholpur - 4th line**	2018-19	HDN	107	0	107	2946	0	2946
15	NCR & WCR	NCR & WCR	DL	4th line	**Dholpur Jhansi - Bina - 4th line.**	2018-19	HDN	322	0	322	4870	0	4870
16	NCR	NCR	DL	Doubling	**Doubling of Billi- Chunar**	2019-20	HUN	108	0	108	1080	0	1080
17	NER	NER	DL	Doubling	**Doubling of Gorakhpur-Valmikinagar**	2019-20	HUN	87	0	87	993	0	993
18	NFR	NFR	DL	Doubling	**Saraighat Bridge DL**	2017-18	HDN	7	0	7	1677	0	1677

780403/2020/MECHANICAL(WAGON)

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/ 4th line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Route	Length of Project *(Km)*	Main Project commissioned upto Mar 20. *(Km)*	Bal. Length of Main Project on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto Mar 20 *(Cr.)*	Throw Forward as on 01.04.20 *(Cr)*
19	NFR	NFR	DL	Doubling	**Doubling of Katihar-Kumedpur and Katihar-Mukuria**	2019-20	HUN	65	0	65	645	0	645
20	NR	NR	DL	3rd line	**Varanasi-Mughalsarai -3rd line (16.72 km) with substructure of two lines on Bridge no.-11 (Malviya Bridge)**	2017-18	HUN	17	0	17	1386	0	1386
21	NR	NR	DL	Doubling	**Phaphamau to Unnnao via Kunda Harnamganj**	2018-19	HUN	184	0	184	1682	0	1682
22	NR	NR	DL	Doubling	**Bareily- Chandausi-Aligarh DL**	2019-20	HUN	168	0	168	2227	0	2227
23	NR	NR	DL	Doubling	**Doubling of Moradabad-Chandausi**	2019-20	HUN	44	0	44	440	0	440
24	NR	NR	DL	Doubling	**Doubling of Panipat-Rohtak**	2019-20	HUN	71	0	71	714	0	714
25	NR	NR	DL	Doubling	**Doubling of Firozpur-Bhatinda and Jakhal- Hisar**	2019-20	HUN	169	0	169	1688	0	1688
26	NR	NR	DL	Bye pass	**Connectivity between Palwal and New Prithala**	2019-20	HDN	4	0	4	66	0	66

780403/2020/MECHANICAL(WAGON)

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/ 4th line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Route	Length of Project *(Km)*	Main Project commissioned upto Mar 20. *(Km)*	Bal. Length of Main Project on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto Mar 20 *(Cr.)*	Throw Forward as on 01.04.20 *(Cr)*
27	NR	NR	DL	Doubling	**Doubling of Asthalbohar-Rewari**	2019-20	HUN	75	0	75	752	0	752
28	NWR	NWR	DL	Doubling	**Doubling of Bhatinda-Bhildi via Sirsa, Hisar, Ratangarh, Degana, Luni, Samdhari excluding Degana- Rai ka Bag**	2019-20	HUN	752	0	752	7522	0	7522
29	NWR	NWR	DL	Doubling	**Doubling of Ajmer-Chittorgarh**	2019-20	HUN	186	0	186	1860	0	1860
30	NWR	NWR	DL	Bye pass	**Byepass line at Sawaimadhopur**	2019-20	HDN	7	0	7	252	0	252
31	SCR	SCR	DL	3rd line	**Duvvada-Vijaywada - 3rd line**	2015-16	HDN	333	0	333	3873	0	3873
32	SCR	SCR	DL	Doubling	**Doubling of Dharmavaram-Pakala- Katpadi**	2019-20	HUN	290	0	290	2900	0	2900
33	SCR	SCR	DL	Doubling	**Doubling of Guntur-Bibinagar**	2019-20	HUN	248	0	248	2480	0	2480

780403/2020/MECHANICAL(WAGON)

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/ 4th line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Route	Length of Project *(Km)*	Main Project commissioned upto Mar 20. *(Km)*	Bal. Length of Main Project on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto Mar 20 *(Cr.)*	Throw Forward as on 01.04.20 *(Cr)*
34	SCR	SCR	DL	Doubling	**Doubling of Akola- Dhone via Purna, Mudhkhed, Secunderabad, Mehboobnagar excluding Purna-Mudkhed and Bolarum-Mehboobnagar including Dhone bye pass**	2019-20	HUN	626	0	626	6260	0	6260
35	SECR	SECR	DL	Doubling	**Doubling of Boridand-Ambikapur and Boridand-Chirmiri**	2019-20	HUN	148	0	148	1482	0	1482
36	SER	SER	DL	3rd line	**Chandil- Anara- Burnpur - 3rd line with additional loop line at Nimdih, Urma, Tamna, Charra & Bagalia (125KM).**	2018-19	HUN	125	0	125	1647	0	1647

780403/2020/MECHANICAL(WAGON)

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/ 4th line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Route	Length of Project *(Km)*	Main Project commissioned upto Mar 20. *(Km)*	Bal. Length of Main Project on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto Mar 20 *(Cr.)*	Throw Forward as on 01.04.20 *(Cr)*
37	SER	SER	DL	Doubling	**Doubling between Bhojudi-Talgoria in connection with permanent diversion of fire affected Dhanbad-Chandrapura line**	2019-20	HUN	13	0	13	129	0	129
38	SER	SER	DL	Doubling	**Doubling of Muri-Barkakhana**	2019-20	HUN	58	0	58	580	0	580
39	SER	SER	DL	5th line	**Rourkela-Bondamunda A Cabin 5th line**	2019-20	HDN	10	0	10	170	0	170
40	SR	SR	DL	Doubling	**Turavur- Ambalapuza**	2015-16	HUN	50	0	50	829	0	828
41	SR	SR	DL	3rd line	**Shoranur - Ernakulam 3rd line**	2018-19	HUN	107	0	107	2000	0	2000
42	SR	SR	DL	Doubling	**Doubling of Katpadi-Villupuram**	2019-20	HUN	160	0	160	1601	0	1601
43	SR	SR	DL	Doubling	**Doubling of Salem- Karur-Dindigul**	2019-20	HUN	160	0	160	1600	0	1600
44	SR	SR	DL	Doubling	**Doubling of Erode- Karur**	2019-20	HUN	65	0	65	650	0	650
45	SR	SR	DL	Bye pass	**Doubling of Chennai Beach-Chennai Egmore**	2019-20	HDN	4	0	4	280	0	280

780403/2020/MECHANICAL(WAGON)

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/ 4th line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Route	Length of Project *(Km)*	Main Project commissioned upto Mar 20. *(Km)*	Bal. Length of Main Project on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto Mar 20 *(Cr.)*	Throw Forward as on 01.04.20 *(Cr)*
46	SWR	SWR	DL	Doubling	**Doubling of Hosur- Omalur**	2019-20	HUN	147	0	147	1470	0	1470
47	SWR	SWR	DL	Fly Over	**Chandargaon- Cansaulium Rail Flyover**	2019-20	HUN	16	0	16	1892	0	1892
48	WR	WR	DL	Doubling	**Nimach-Ratlam**	2018-19	HUN	133	0	133	1138	0	1138
					Total	**48**		**6292**	**0**	**6292**	**81095**	**2**	**81093**

THROUGHPUT ENHANCEMENT PROJECTS ON

HDN / HUN ROUTES

RAILWAY / PSU WISE

CENTRAL RAILWAY

HDN/ HUN	Priority	Total Projects	Total Length *(Km)*	Length Commissioned upto 31.03.20 *(Km)*	Balance Length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Exp. upto 31.03.20 *(Cr)*	Throw-forward as on 01.04.20 *(Cr)*
HDN	Super Critical	3	266	156	110	3206	2522	684
	Critical	5	471	32	439	3747	1089	2658
	Other Coal	1	275	0	275	2430	233	2197
	Total on HDN	**9**	**1012**	**188**	**824**	**9383**	**3844**	**5539**
HUN	Super Critical	-	-	-	-	-	-	-
	Critical	1	280	37	243	2437	946	1491
	Other Coal	-	-	-	-	-	-	-
	Total on HUN	**1**	**280**	**37**	**243**	**2437**	**946**	**1491**
Total HDN + HUN	**Super Critical**	**3**	**266**	**156**	**110**	**3206**	**2522**	**684**
	Critical	**6**	**751**	**69**	**682**	**6184**	**2035**	**4149**
	Other Coal	**1**	**275**	**0**	**275**	**2430**	**233**	**2197**
	Grand Total CR	**10**	**1292**	**225**	**1067**	**11820**	**4790**	**7030**

CR- SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/4th Line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal Length of Main Project 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
A	**HDN ROUTE**															
1	CR	**RVNL**	DL	Doubling	**Daund-Gulbarga Doubling**	2009-10		**Super Critical**	HDN	225	143	82	2725	2091	634	Mar-21
2	CR	CR	DL	3rd line	**Kalyan-Kasara - 3rd line**	2011-12		Priority-I	HDN	68	0	68	1377	320	1058	Mar-24
3	CR	CR	DL	3rd line	**Bhusawal-Jalgaon 3rd line**	2011-12		**Super Critical**	HDN	24	13	11	305	303	2	Oct-20
4	CR	CR	DL	3rd line	**Wardha(Sewagram)-Nagpur 3rd line**	2012-13		**Critical**	HDN	76	19	57	540	284	256	Mar-24
5	CR	CR	DL	3rd line	**Wardha-Ballarshah 3rd line**	2015-16		**Critical**	HDN	132	13	119	1272	370	902	Mar-24
6	CR, WCR	CR, WCR	DL	3rd line	**Itarsi- Nagpur 3rd line. Bal.**	2015-16	Coal	**Priority-I**	HDN	275	0	275	2430	233	2197	Mar-24
7	CR	CR	DL	3rd line	**3rd line between Teegaon and Chichonda Ghat section**	2015-16		**Super Critical**	HDN	17	0	17	176	129	47	Sep-20
8	CR	CR	DL	3rd line	**Manmad Jalgaon 3rd line**	2016-17		**Critical**	HDN	160	0	160	1035	185	850	Mar-24
9	CR	CR	DL	4th line	**Wardha-Nagpur 4th line**	2016-17		**Critical**	HDN	79	0	79	638	131	507	Mar-24
10	CR	CR	DL	4th line	**4th line between Jalgaon-Bhusawal**	2016-17		**Critical**	HDN	24	0	24	261	118	143	Mar-22
	Total Sanctioned Multi - Tracking Projects on HDN Route					**10**				**1080**	**188**	**892**	**10760**	**4163**	**6596**	
B.		**HUN ROUTES**														
1	CR SWR	CR SWR	DL	Doubling	**Pune-Miraj-Londa**	2015-16		**Critical**	HUN	280	37	243	2437	946	1491	Mar-23
2	CR	CR	DL	Doubling	**Daund Manmad**	2016-17		Priority-I	HUN	236	15	221	2081	350	1731	Mar-24
	Total Sanctioned Multi - Tracking Projects on HUN Route					**2**				**516**	**52**	**464**	**4518**	**1296**	**3222**	
	Grand Total of Sanctioned Multi-Tracking Projects on HDN & HUN Route					**12**				**1596**	**239**	**1356**	**15278**	**5459**	**9819**	

EASTERN RAILWAY

HDN/ HUN	Priority	Total Projects	Total Length *(Km)*	Length Commissioned upto 31.03.20 *(Km)*	Balance Length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Exp. upto 31.03.20 *(Cr)*	Throw-forward as on 01.04.20 *(Cr)*
HDN	Super Critical	1	25	0	25	450	313	137
	Critical	1	10	6	-	257	133	124
	Other Coal	-	-	-	-	-	-	-
	Total on HDN	**2**	**35**	**6**	**25**	**707**	**446**	**261**
HUN	Super Critical	1	34	21	13	455	293	162
	Critical	1	25	10	15	248	102	146
	Other Coal	-	-	-	-	-	-	-
	Total on HUN	**2**	**59**	**31**	**28**	**703**	**395**	**308**
Total HDN + HUN	**Super Critical**	**2**	**59**	**21**	**38**	**905**	**606**	**299**
	Critical	**2**	**35**	**16**	**15**	**505**	**235**	**270**
	Other Coal	-	-	-	-	-	-	-
	Grand Total ER	**4**	**94**	**37**	**53**	**1410**	**841**	**569**

ER- SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/4th Line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal. Length of Main Project 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
A.	**HDN ROUTES**															
1	ER	ER	DL	3rd line	**Liluah-Dankuni 3rd line**	2009-10		**Critical**	HDN	10	6	0	257	133	125	Commissioned
2	ER	ER	DL	4th line	**Dankuni-Chandanpur- 4th line**	2010-11		**Super Critical**	HDN	25	0	25	450	313	137	Dec-21
3	ER	ER	DL	Doubling	**Dankuni - Bhattanagar via CC link (west) with addl loop at Bhattanagar and MM - Bhattanagar - Baltikuri**	2012-13		Priority-I	HDN	10	7	3	150	124	26	Main Project completed. TDC of MM Feb 21
4	NCR, ECR & ER	ECR	DL	Bye Pass	**Byepass at Sainthia, Sitarmpur, Mughalsarai, Allahabad, Etawah**	2015-16		Priority-I	HDN	5	0	5	87	0	87	Mar-24
	Total Sanctioned Multi Tracking Projects on HDN Route					**4**				**50**	**13**	**33**	**944**	**570**	**375**	
B.	**HUN ROUTES**															
1	ER	ER	DL	Doubling	**Bazar Sau-Azimganj Jn.**	2012-13		Priority-I	HUN	42	15	28	350	207	143	Feb-22
2	ER	ER	DL	Doubling	**Monigram-Nimtita**	2012-13		**Super Critical**	HUN	34	21	13	455	293	162	Mar-22
3	ER	ER	DL	Doubling	**Sagardighi- Malda Town (Nimtita - New Farakka)**	2015-16	Coal	**Critical**	HUN	25	10	15	248	102	146	Dec-22
	Total Sanctioned Multi - Tracking Projects on HUN Route					**3**				**102**	**46**	**56**	**1052**	**602**	**450**	
1	ER	ER	NL	3rd line	**Rampurhat-Murarai - 3rd line**	1995-96		Priority-I	HUN	29	0	29	290	200	90	Mar-24
	Total Sd DL MM in NL projects on HUN Routes									**29**	**0**	**29**	**290**	**200**	**90**	
1	ER	ER	GC	Doubling	**Katwa-Bazarsau - DL,**	2007-08		Priority-I	HUN	31	13	17	310	230	80	Jun-21
	Total Sd DL MM in GC projects on HUN Routes									**31**	**13**	**17**	**310**	**230**	**80**	
	Total Sanctioned Multi - Tracking Projects on HUN Route					**3**				**162**	**59**	**102**	**1652**	**1032**	**620**	
	Grand Total of Sanctioned Multi-Tracking Projects on HDN & HUN Route					**7**				**212**	**72**	**135**	**2597**	**1602**	**995**	

EAST CENTRAL RAILWAY

HDN/ HUN	Priority	Total Projects	Total Length *(Km)*	Length Commissioned upto 31.03.20 *(Km)*	Balance Length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto 31.03.20 *(Cr)*	Throw-forward as on 01.04.20 *(Cr)*
HDN	Super Critical	2	79	33	46	937	744	193
	Critical	1	22	-	22	488	0	488
	Other Coal	-	-	-	-	-	-	-
	Total on HDN	**3**	**101**	**33**	**68**	**1425**	**744**	**681**
HUN	Super Critical	-	-	-	-	-	-	-
	Critical	10	623	45	578	8369	2292	6077
	Other Coal	1	124	19	105	1200	578	622
	Total on HUN	**11**	**747**	**64**	**683**	**9569**	**2870**	**6699**
Total HDN + HUN	Super Critical	**2**	**79**	**33**	**46**	**937**	**744**	**193**
	Critical	**11**	**645**	**45**	**600**	**8857**	**2292**	**6565**
	Other Coal	**1**	**124**	**19**	**105**	**1200**	**578**	**622**
	Grand Total ECR	**14**	**848**	**97**	**751**	**10994**	**3614**	**7380**

ECR - SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/4th Line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal .Length of Main Project 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
A.	**HDN ROUTES**															
1	ECR	ECR N	DL	Doubling	**Katareah-Kursela Patch Doubling incl. bridge on river Kosi**	2012-13		**Super Critical**	HDN	7	0	7	190	179	11	Jun-21
2	ECR	**IRCON**	DL	Doubling	**Hajipur-Bachwara**	2015-16		**Super Critical**	HDN	72	33	39	746	565	181	May-21
3	NCR, ECR & ER	ECR	DL	Bye Pass	**Byepass at Sainthia, Sitarmpur, Mughalsarai, Allahabad, Etawah**	2015-16		Priority-I	HDN	3.00	0	3	52	0	52	Mar-24
4	ECR	ECR S	DL	Fly Over	**Gomoh- Flyover for DN trains**	2016-17		**Critical**	HDN	22	0	22	488	0	488	Dec-23
	Total Sanctioned Multi - Tracking Projects on					**4**				**104**	**33**	**71**	**1476**	**745**	**732**	
B.	**HUN ROUTES**															
1	ECR	ECR S	DL	Doubling	**Jarangdih-Danea Patch Doubling**	2013-14	Coal	**Critical**	HUN	29	7	22	332	324	8	Mar-22
2	ECR	ECR S	DL	Doubling	**Garhwa Road-Ramna**	2013-14		**Critical**	HUN	32	12	20	348	227	122	Mar-22
3	ECR	ECR S	DL	Doubling	**Ramna-Singrauli**	2015-16	Coal	**Critical**	HUN	160	7	153	2436	721	1716	Mar-24
4	ECR	**RVNL**	DL	3rd line	**3rd line bet. Dhanbad-Sonnagar**	2015-16	Coal	**Critical**	HUN	291	0	291	3406	450	2956	Dec-23
5	ECR	ECR N	DL	Doubling	**Samastipur - Darbhanga**	2015-16		Priority-I	HUN	38	10	28	519	216	303	Mar-23
6	ECR	**IRCON**	DL	Doubling	**Kiul- Gaya**	2015-16	Coal	Priority-I	HUN	124	19	105	1200	578	622	Mar-23

ECR - SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/4th Line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project *(Km)*	Main Project commissioned upto Mar 20. *(Km)*	Bal .Length of Main Project 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
7	ECR	ECR S	DL	Doubling	**Karaila Road-Shaktinagar**	2015-16	Coal	**Critical**	HUN	32	0	32	529	135	394	Mar-23
8	ECR	ECR S	DL	Doubling	**Ranchi Road- Patratu**	2015-16	Coal	**Critical**	HUN	31	8	23	348	128	220	Mar-24
9	ECR	ECR S	DL	By Pass	**Karota Patner - Mankatha Surface triangle**	2016-17		**Critical**	HUN	8	0	8	129	29	100	Mar-22
10	ECR	ECR N	DL	Doubling	**Sagauli-Valmiknagar**	2016-17		Priority-I	HUN	110	0	110	1216	186	1030	Mar-23
11	ECR	ECR N	DL	Doubling	**Muzaffarpur-Sugauli**	2016-17		Priority-I	HUN	101	0	101	1186	78	1108	Mar-24
12	ECR	ECR S	DL	Fly Over	**Garhwa Road ROR**	2016-17		**Critical**	HUN	7	0	7	263	55	207	Mar-22
13	ECR	ECR N	DL	Bye pass	**Darbhanga bypass line connecting Shisho Halt and Kakarghati exclusing Darbhanga Yard**	2018-19		**Critical**	HUN	8	0	8	253	0	253	May-22
14	ECR	ECR S	DL	Doubling	**Danea-Ranchi Road**	2013-14		**Critical**	HUN	25	11	14	324	224	100	Commissioned in 2020-21
	Total Sanctioned Multi - Tracking Projects on					**14**				**995**	**74**	**921**	**12489**	**3350**	**9140**	
	Grand Total of Sanctioned Multi-Tracking Projects on HDN & HUN					**18**				**1099**	**107**	**992**	**13966**	**4095**	**9872**	

EAST COAST RAILWAY

HDN/ HUN	Priority	Total Projects	Total Length *(Km)*	Length Commissioned upto 31.03.20 *(Km)*	Balance Length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto 31.03.20 *(Cr)*	Throw-forward as on 01.04.20 *(Cr)*
HDN	Super Critical	2	36	26	10	458	415	43
	Critical	1	92	4	88	843	160	683
	Other Coal	-	-	-	-	-	-	-
	Total on HDN	**3**	**128**	**30**	**98**	**1301**	**575**	**726**
HUN	Super Critical	4	687	396	291	6694	4649	2045
	Critical	4	646	60	586	6105	1962	4143
	Other Coal	1	7	-	7	94	4	90
	Total on HUN	**9**	**1340**	**456**	**884**	**12893**	**6615**	**6278**
Total HDN + HUN	**Super Critical**	**6**	**723**	**422**	**301**	**7152**	**5064**	**2088**
	Critical	**5**	**738**	**64**	**674**	**6948**	**2122**	**4826**
	Other Coal	**1**	**7**	**-**	**7**	**94**	**4**	**90**
	Grand Total ECoR	**12**	**1468**	**486**	**982**	**14194**	**7190**	**7004**

780403/2020/MECHANICAL(WAGON)

ECOR - SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd /4th line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal. Length of Main Project 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
A.	**HDN ROUTES**															
1	ECoR	**RVNL**	DL	3rd line	**Khurda Road-Barang**	2003-04	Coal	**Super Critical**	HDN	32	26	7	433	400	33	Jun-21
2	ECoR	ECoR	DL	3rd line	**Bhadrak-Nergundi 3rd line**	2012-13		**Critical**	HDN	92	4	88	843	160	683	Mar-24
3	ECoR	ECoR	DL	Bye pass	**Khurda Rd. Vizianagram (Angul-Haripurgram) By Pass**	2015-16		**Super Critical**	HDN	3	0	3	25	16	10	Dec-21
	Total Sanctioned Multi - Tracking Projects on HDN Route					**3**				**128**	**30**	**98**	**1301**	**575**	**726**	
B.	**HUN ROUTES**															
1	ECoR	**RVNL**	DL	Doubling	**Sambalpur-Titlagarh**	2006-07	Coal Port	**Super Critical**	HUN	182	106	76	2009	1485	524	Dec-21
2	ECoR	**RVNL**	DL	Doubling	**Banspani-Daitari-Tomka-Jakhapura**	2009-10	Port	**Super Critical**	HUN	164	108	56	1536	1067	469	Dec-21
3	ECoR	ECoR	DL	Fly Over	**Brundamal-Jharsuguda- flyover.**	2009-10	Coal	Priority-I	HUN	7	0	7	94	4	90	Mar-24
4	ECoR	ECoR	DL	Doubling	**Sambalpur-Talcher**	2010-11	Coal & Port	**Super Critical**	HUN	168	62	106	1539	1010	530	Dec-21
5	ECoR	ECoR	DL	Doubling	**Kirandul-Jadgalpur**	2011-12		Priority-II	HUN	150	62	88	1161	814	347	Mar-23
6	ECoR	**RVNL**	DL	3rd line	**Vizianagram-Titlagarh (Sambalpur) 3rd line**	2015-16		**Critical**	HUN	265	16	248	2575	779	1796	Mar-24
7	ECoR	ECoR	DL	3rd line &	**Jarapaada- Budhapank 3rd & 4th line with flyover at Talcher.**	2015-16	Coal & Port	**Critical**	HUN	101	0	101	810	150	660	Mar-24
8	ECoR	ECoR	DL	3rd line & 4th line	**Budhapank- Salegaon via Rajatgarh 3rd & 4th line**	2015-16	Coal & Port	**Critical**	HUN	170	0	170	1173	564	609	Mar-24
9	ECoR	ECoR	DL	Doubling	**Kottavalasa-Koraput**	2015-16		Priority-I	HUN	189	33	156	2500	490	2010	Mar-24
10	ECoR	ECoR	DL	Doubling	**Koraput-Singapur Rd.**	2015-16		Priority-I	HUN	165	0	165	2362	271	2091	Mar-24
11	ECoR	ECoR	DL	Doubling	**Jagdalpur-Koraput**	2015-16		**Critical**	HUN	110	44	67	1547	469	1079	Mar-23
12	SECR	**RVNL**	DL	Doubling	**Raipur-Titlagarh**	2007-08	Coal & Port	**Super Critical**	HUN	173	119	54	1610	1087	523	Dec-21
13	ECoR	ECoR	DL	Fly Over	**Baghuapal Fly over**	2019-20		Priority-I	HUN	20	0	20	152	0	152	Mar-24
	Total Sanctioned Multi - Tracking Projects on HUN Route					**13**				**1863**	**551**	**1313**	**19067**	**8190**	**10877**	
	Grand Total of Sanctioned Multi - Tracking Projects on HDN & HUN Route					**16**				**1991**	**581**	**1411**	**20369**	**8766**	**11603**	

NORTHERN RAILWAY

HDN/ HUN	Priority	Total Projects	Total Length *(Km)*	Length Commissioned upto 31.03.20 *(Km)*	Balance Length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto 31.03.20 *(Cr)*	Throw-forward as on 01.04.20 *(Cr)*
HDN	Super Critical	-	-	-	-	-	-	-
	Critical	1	80	0	80	679	156	523
	Other Coal	-	-	-	-	-	-	-
	Total on HDN	**1**	**80**	**-**	**80**	**679**	**156**	**523**
HUN	Super Critical	3	139	66	73	1241	1151	90
	Critical	3	258	-	258	2130	214	1916
	Other Coal	-	-	-	-	-	-	-
	Total on HUN	**6**	**397**	**66**	**331**	**3371**	**1365**	**2006**
Total HDN + HUN	Super Critical	3	139	66	73	1241	1151	90
	Critical	4	338	-	338	2809	370	2439
	Other Coal	-	-	-	-	-	-	-
	Grand Total NR	**7**	**477**	**66**	**411**	**4050**	**1521**	**2529**

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NR - SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/4th Line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal Length of Main Project 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
A.	**HDN ROUTES**															
1	NER & NR	NER & NR	DL	Doubling	**Rosa-Sitapur Cantt-Burhwal**	2015-16		**Critical**	HDN	80	0	80	679	156	523	Feb-22
	Total Sanctioned Multi Tracking Projects on					**1**				**80**	**0**	**80**	**679**	**156**	**523**	
B.	**HUN ROUTES**															
1	NR	NR	DL	Doubling	**Phaphamau-Allahabad**	2009-10		**Super Critical**	HUN	14	6	8	191	186	5	Commissioned in 20-21
2	NR	**RVNL**	DL	Doubling	**Utretia-Raibareilly**	2011-12		**Super Critical**	HUN	66	45	21	575	536	39	Mar-21
3	NR	**RVNL**	DL	Doubling	**Raibareilly-Amethi**	2013-14		**Super Critical**	HUN	60	15	45	475	429	46	Mar-21
4	NR	NR	DL	Doubling	**Alamnagar-Utretia**	2015-16		**Critical**	HUN	20	0	20	338	140	198	Dec-21
5	NR	NR	DL	Doubling	**Barabanki-Akbarpur**	2016-17		**Critical**	HUN	161	0	161	1116	35	1081	Dec-23
6	NR	NR	DL	Doubling	**Jaunpur- Akbarpur (Tanda)**	2016-17	Coal	**Critical**	HUN	77	0	77	676	39	637	Mar-24
7	NR	NR	DL	Doubling	**Janghai-Pratapgarh-Amethi**	2016-17		Priority-I	HUN	87	0	87	720	42	677	Jun-23
8	NR	**RVNL**	DL	Doubling	**Janghai- Phaphamau with electrification**	2017-18		Priority-I	HUN	47	0	47	409	1	408	Jun-23
9	NR	NR	DL	Bye Pass	**Jaunpur Jn. - Jaunpur city - Chord line**	2017-18		Priority-I	HUN	2	0	2	72	2	70	Jun-22
10	NR	NR	DL	3rd & 4th line	**Barabanki-Malhaur - 3rd & 4th Line**	2017-18		Priority-I	HUN	33	0	33	407	33	374	Jun-22
	Total Sanctioned Multi Tracking Projects on					**10**				**566**	**66**	**500**	**4980**	**1444**	**3537**	
	Grand Total of Sanctioned Multi-Tracking Projects on HDN & HUN					**11**				**646**	**66**	**580**	**5659**	**1599**	**4060**	

NORTH CENTRAL RAILWAY

HDN/ HUN	Priority	Total Projects	Total Length *(Km)*	Length Commissioned upto 31.03.20 *(Km)*	Balance Length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto 31.03.20 *(Cr)*	Throw-forward as on 01.04.20 *(Cr)*
HDN	**Super Critical**	1	80	30	50	669	423	246
	Critical	8	335	0	335	4535	818	3717
	Other Coal	1	153	0	153	2002	750	1252
	Total on HDN	**10**	**568**	**30**	**538**	**7206**	**1991**	**5215**
HUN	**Super Critical**	1	206	87	119	1575	1217	358
	Critical	-	-	-	-	-	-	-
	Other Coal	-	-	-	-	-	-	-
	Total on HUN	**1**	**206**	**87**	**119**	**1575**	**1217**	**358**
Total HDN + HUN	**Super Critical**	**2**	**286**	**117**	**169**	**2244**	**1640**	**604**
	Critical	**8**	**335**	**0**	**335**	**4535**	**818**	**3717**
	Other Coal	**1**	**153**	**0**	**153**	**2002**	**750**	**1252**
	Grand Total NCR	**11**	**774**	**117**	**657**	**8781**	**3208**	**5573**

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NCR - SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/4th Line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal. Length of Main Project 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
A.	**HDN ROUTES**															
	NCR, ECR & ER	NCR, ECR & ER	DL	Bye Pass	**Byepass at Sainthia, Sitarmpur, Mughalsarai, Allahabad, Etawah**	2015-16		Priority-I	HDN	10.98	0	11	831	0	831	Mar-24
1	NCR	NCR	DL	3rd line	**Mughalsarai-Allahabad, 3rd line**	2015-16		Priority-I	HDN	150	0	150	2649	0	2649	Mar-24
2	NCR	NCR WCR	DL	3rd line	**Jhansi-Bina 3rd line**	2015-16	Coal	Priority-I	HDN	153	0	153	2002	750	1252	Mar-24
3	NCR	NCR	DL	4th line	**Mathura-Palwal 4th line**	2015-16		**Super Critical**	HDN	80	30	50	669	423	246	Jun-21
4	NCR	RVNL	DL	3rd line	**Mathura-Jhansi 3rd line**	2015-16	Coal	**Critical**	HDN	274	0	274	3678	803	2875	Dec-23
5	NCR	NCR	DL	Fly Over	**Allahabad Division-Construction of Aligarh Flyover**	2016-17		Priority-I	HDN	22	0	22	1179		1179	Mar-24
6	NCR	NCR	DL	Fly Over	**Lalitpur-Birari with flyover at Lalitpur**	2016-17		**Critical**	HDN	16	0	16	304		304	Mar-23
7	NCR	NCR	DL	4th line	**Bhaupur-Panki - 4th line Connecing Dn Loop of Bhaupur to Shunting neck of Panki**	2017-18		**Critical**	HDN	11	0	11	97		97	Jun-21
8	NCR	NCR	DL	3rd line	**Naini - Chheoki- 3rd Down line with additional Platform.**	2017-18	Coal	**Critical**	HDN	2	0	2	25	13	12	Dec-20
9	NCR	NCR	DL	Bye Pass	**Kanpur-New Coaching Complex - Kanpur**	2018-19		**Critical**	HDN	3	0	3	34		34	Oct-23
10	NCR	NCR	DL	3rd line	**Aligarh - Daud Khan 3rd line & construciton of flyover at Daud khan**	2018-19		Priority-I	HDN	7	0	7	448		448	Mar-24

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NCR - SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/4th Line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal. Length of Main Project 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	NCR	NCR	DL	3rd line	**Ruma Chakeri- Chandari - 3rd line**	2018-19	Coal	**Critical**	HDN	13	0	13	182	2	180	Mar-23
12	NCR	NCR	DL	4th line	**Chipiyana Buzurg - Dadri 4th line**	2018-19	Coal	**Critical**	HDN	12	0	12	164		164	Mar-23
13	NCR	NCR	DL	4th line	**Allahabad - Bumrauli 4th line (10 Km) with flying over at Subedarganj**	2018-19		Priority-I	HDN	10	0	10	493		493	Mar-24
14	NCR	NCR	DL	Bye Pass	**Dailwara - Berari - Chord Line**	2018-19		**Critical**	HDN	5	0	5	50		50	Mar-23
15	NCR	NCR	DL	Fly Over	**Bhandai - Flyover for etawah bound down train**	2018-19		Priority-I	HDN	10	0	10	186		186	Mar-24
	Total Sanctioned Multi - Tracking Projects on HDN Route					**15**				**778**	**30**	**748**	**12993**	**1990**	**11002**	
B.	**HUN ROUTES**															
1	NCR	**RVNL**	DL	Doubling	**Bhimsen-Jhansi**	2012-13		**Super Critical**	HUN	206	87	119	1575	1217	358	Dec-21
	Total Sanctioned Multi - Tracking Projects on HUN Route					**1**				**206**	**87**	**119**	**1575**	**1217**	**358**	
	Grand Total of Sanctioned Multi - Tracking Projects on HDN & HUN Route					**16**				**984**	**117**	**866**	**14568**	**3207**	**11361**	

NORTH EASTERN RAILWAY

HDN/ HUN	Priority	Total Projects	Total Length *(Km)*	Length Commissioned upto 31.03.20 *(Km)*	Balance Length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto 31.03.20 *(Cr)*	Throw-forward as on 01.04.20 *(Cr)*
HDN	Super Critical	-	-	-	-	-	-	-
	Critical	3	184	0	184	1517	450	1067
	Other Coal	-	-	-	-	-	-	-
	Total on HDN	**3**	**184**	**0**	**184**	**1517**	**450**	**1067**
HUN	Super Critical	1	40	0	40	266	223	43
	Critical	2	133	28	105	1113	493	620
	Other Coal	-	-	-	-	-	-	-
	Total on HUN	**3**	**173**	**28**	**145**	**1379**	**716**	**663**
Total HDN + HUN	**Super Critical**	**1**	**40**	**0**	**40**	**266**	**223**	**43**
	Critical	**5**	**317**	**28**	**289**	**2630**	**943**	**1687**
	Other Coal	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	Grand Total NER	**6**	**357**	**28**	**329**	**2896**	**1166**	**1730**

780403/2020/MECHANICAL(WAGON)

NER - SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/4th Line/ Fly Over /Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal. Length of Main Project 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
A.	**HDN ROUTE**															
1	NER & NR	NER & NR	DL	Doubling	**Rosa-Sitapur Cantt-Burhwal**	2015-16		**Critical**	HDN	101	0	101	616	362	254	Feb-22
2	NER	NER	DL	3rd line	**Domingarh-Gorakhpur-Gorakhpur Cantt.-Kusumhi - 3rd running line and Gorakhpur-Nakaha Jungle Doubling**	2016-17		**Critical**	HDN	21	0	21	187	48	139	Feb-22
3	NER	NER	DL	3rd line	**Burhwal Gonda 3rd line**	2016-17		**Critical**	HDN	62	0	62	714	40	674	Dec-23
	Total Sanctioned Multi - Tracking Projects on HDN Route					**3**				**184**	**0**	**184**	**1517**	**450**	**1067**	
B.	**HUN ROUTES**															
1	NER	NER	DL	Doubling	**Chhapra-Ballia Patch Doubling (65 km)**	2012-13		Priority-I	HUN	65	0	65	477	379	98	Mar-22
2	NER	NER	DL	Doubling	**Ghazipur-Aunrihar**	2014-15		**Super Critical**	HUN	40	0	40	266	223	43	Mar-21
3	NER	NER	DL	Doubling	**Ballia-Gazipur city**	2015-16		Priority-I	HUN	65	0	65	448	182	265	Jul-22
4	NER	**RVNL**	DL	Doubling	**Varanasi-Madhosingh-Allahabad**	2015-16		**Critical**	HUN	120	28	92	1000	464	536	Mar-23
5	NER	**RVNL**	DL	Doubling	**Phephna-Indara, Mau-Shahganj doubling excluding Indara-Mau**	2016-17		Priority-I	HUN	150	0	150	1061	11	1050	Jun-23
6	NER	**RVNL**	DL	Doubling	**Bhatni-Aurnihar with electrification excluding Indara-Mau**	2016-17		Priority-I	HUN	117	0	117	1178	1	1177	Mar-24
7	NER	NER	DL	Doubling	**Malhaur-Daliganj doubling**	2017-18		**Critical**	HUN	13	0	13	113	29	84	Feb-22
	Total Sanctioned Multi - Tracking Projects on HUN Route					**7**				**570**	**28**	**542**	**4543**	**1290**	**3254**	
	Grand Total of Sanctioned Multi - Tracking Projects on HDN & HUN Route					**10**				**753**	**28**	**725**	**6061**	**1740**	**4321**	

NORTH EAST FRONTIER RAILWAY

HDN/HUN	Priority	Total Projects	Total Length *(Km)*	Length Commissioned upto 31.03.20 *(Km)*	Balance Length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto 31.03.20 *(Cr)*	Throw-forward as on 01.04.20 *(Cr)*
HDN	Super Critical	1	38	32	6	798	776	22
	Critical	2	195	5	190	2803	541	2262
	Other Coal	0	0	0	0	0	0	0
	Total on HDN	**3**	**233**	**37**	**196**	**3601**	**1317**	**2284**
HUN	Super Critical	-	-	-	-	-	-	-
	Critical	-	-	-	-	-	-	-
	Other Coal	-	-	-	-	-	-	-
	Total on HUN	-	-	-	-	-	-	-
Total HDN + HUN	**Super Critical**	**1**	**38**	**32**	**6**	**798**	**776**	**22**
	Critical	**2**	**195**	**5**	**190**	**2803**	**541**	**2262**
	Other Coal	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	Grand Total NFR	**3**	**233**	**37**	**196**	**3601**	**1317**	**2284**

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NFR - SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/4th Line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal Length of Main Project 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
A.	**HDN ROUTES**															
1	NFR	NFR	DL	Doubling	**Ambari Falakata-New Maynaguri**	2011-12		**Super Critical**	HDN	38	32	6	798	776	22	Jan-21
2	NFR	NFR	DL	Doubling	**New Bongaigaon-Agthori via Rangiya**	2013-14		**Critical**	HDN	143	0	143	2043	1	2042	Mar-23
3	NFR	NFR	DL	Doubling	**New Mainaguri-Gumanihat**	2016-17		**Critical**	HDN	52	5	47	760	540	220	Mar-21
	Total Sanctioned Multi - Tracking Projects on HDN Route					**3**				**232**	**37**	**196**	**3601**	**1317**	**2284**	
B.	**HUN ROUTES**															
1	NFR	NFR	DL	Doubling	**New Bongaigaon-Goalpara-Guwahati (Kamakhaya)**	2015-16		Priority-I	HUN	176	9	167	2232	1056	1176	Mar-23
2	NFR	NFR	DL	Doubling	**Digaru-Hojai**	2015-16		Priority-I	HUN	102	0	102	2136	804	1332	May-21
	Total Sanctioned Multi - Tracking Projects on HUN Route					**2**				**278**	**9**	**269**	**4368**	**1860**	**2508**	
	Grand Total of Sanctioned Multi - Tracking Projects on HDN & HUN Route					**5**				**510**	**46**	**465**	**7969**	**3177**	**4792**	

NORTH WESTERN RAILWAY

HDN/ HUN	Priority	Total Projects	Total Length *(Km)*	Length Commissioned upto 31.03.20 *(Km)*	Balance Length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto 31.03.20 *(Cr)*	Throw-forward as on 01.04.20 *(Cr)*
HDN	Super Critical	-	-	-	-	-	-	-
	Critical	-	-	-	-	-	-	-
	Other Coal	-	-	-	-	-	-	-
	Total on HDN	-	-	-	-	-	-	-
HUN	Super Critical	1	48	40	8	350	296	54
	Critical	2	71	47	24	598	432	166
	Other Coal	-	-	-	-	-	-	-
	Total on HUN	**3**	**119**	**87**	**32**	**948**	**728**	**220**
Total HDN + HUN	**Super Critical**	**1**	**48**	**40**	**8**	**350**	**296**	**54**
	Critical	**2**	**71**	**47**	**24**	**598**	**432**	**166**
	Other Coal	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	Grand Total NWR	**3**	**119**	**87**	**32**	**948**	**728**	**220**

NWR - SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/4th Line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal Length of Main Project 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
A.	**HDN ROUTES**															
	Total Sanctioned Multi - Tracking Projects on HDN Route					**-**				**-**	**-**	**-**	**-**	**-**	**-**	
B.	**HUN ROUTES**															
1	NWR	**RVNL**	DL	Doubling	**Sarotra Road-Karjoda Patch doubling**	2010-11		**Critical**	HUN	24	14	10	185	163	22	Commissioned in 20-21
2	NWR	NWR	DL	Doubling	**Ajmer-Bangurgram**	2011-12		**Super Critical**	HUN	48	40	8	350	296	54	Mar-21
3	NWR	NWR	DL	Doubling	**Bangurgram-Guriya Patch DL**	2012-13		**Critical**	HUN	47	33	14	413	268	145	Feb-21
4	NWR	NWR	DL	Doubling	**Degana-Rai ka Bagh**	2018-19		Priority-I	HUN	146	0	146	809	91	718	Sep-22
	Total Sanctioned Multi - Tracking Projects on HUN Route					**4**				**265**	**87**	**179**	**1757**	**819**	**938**	
	Grand Total of Sanctioned Multi - Tracking Projects on HDN & HUN Route					**4**				**265**	**87**	**179**	**1757**	**819**	**938**	

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SOUTHERN RAILWAY

HDN/ HUN	Priority	Total Projects	Total Length *(Km)*	Length Commissioned upto 31.03.20 *(Km)*	Balance Length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto 31.03.20 *(Cr)*	Throw-forward as on 01.04.20 *(Cr)*
HDN	Super Critical	1	22	20	2	258	217	41
	Critical	-	-	-	-	-	-	-
	Other Coal	-	-	-	-	-	-	-
	Total on HDN	**1**	**22**	**20**	**2**	**258**	**217**	**41**
HUN	Super Critical	3	64	40	24	1041	925	116
	Critical	1	160	-	160	1182	808	374
	Other Coal	1	11	-	11	115	9	106
	Total on HUN	**5**	**235**	**40**	**195**	**2338**	**1742**	**596**
Total HDN + HUN	**Super Critical**	**4**	**86**	**60**	**26**	**1299**	**1142**	**157**
	Critical	**1**	**160**	**-**	**160**	**1182**	**808**	**374**
	Other Coal	**1**	**11**	**-**	**11**	**115**	**9**	**106**
	Grand Total SR	**6**	**257**	**60**	**197**	**2596**	**1959**	**637**

780403/2020/MECHANICAL(WAGON)

SR- SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/4th Line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal. Length of Main Project 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
A.	**HDN ROUTES**															
1	SR	SR	DL	4th line	**Chennai Beach-Attipattu 4th line**	2003-04	Port	**Super Critical**	HDN	22	20	2	258	217	41	Nov-20
	Total Sanctioned Multi - Tracking Projects on HDN Route					**1**				**22**	**20**	**2**	**258**	**217**	**41**	
B.	**HUN ROUTES**															
1	SR	SR	DL		***Chengalpattu-Villupuram* with new MM of Tambaram-Chengalpattu - 3rd line by GC of existing MG line**	2006-07		Priority-I	HUN	133	103	30	951	798	154	Dec-20
2	SR	SR	DL	Doubling	**Kankanadi-Panambur**	2006-07	Port	**Super Critical**	HUN	19	14	5	238	219	19	May-21
3	SR	SR	DL	Doubling	**Kurruppanthara-Chingavanam**	2007-08		**Super Critical**	HUN	27	8	19	457	414	43	Dec-21
4	SR	SR	DL		**Ambalapuzha-Haripad**	2007-08		**Super Critical**	HUN	18	18	0	346	292	54	Feb-21
5	SR	SR	DL	Doubling	**Ernakulam-Kumbalam**	2010-11		Priority-I	HUN	8	0	8	189	7	183	Mar-24
6	SR	SR	DL	Doubling	**Kumbalam-Thuravur Patch doubling**	2011-12		Priority-I	HUN	16	0	16	253	10	243	Mar-24
7	SR	SR	DL	Doubling	**Trivandrum- Kanyakumari**	2015-16		Priority-I	HUN	87	0	87	1432	164	1267	Mar-24
8	SR	**RVNL**	DL	Doubling	**Madurai- Maniyachi-Tuticorin**	2015-16	Port	**Critical**	HUN	160	0	160	1182	808	374	Jun-22
9	SR	**RVNL**	DL	Doubling	**Maniyachi- Nagercoil**	2015-16		Priority-I	HUN	102	0	102	1004	484	520	Jun-22
10	SR	SR	DL	Doubling	**Netrawati- Mangalore Central**	2016-17		Priority-I	HUN	2	0	2	28	9	19	Feb-21
11	SR	SR	DL	Doubling	**Salem-Magnesite Junction-Omalur**	2017-18	Coal	Priority-I	HUN	11	0	11	115	9	106	Mar-24
	Total Sanctioned Multi - Tracking Projects on HUN Route					**11**				**581**	**143**	**438**	**6196**	**3213**	**2983**	
	Grand Total of Sanctioned Multi - Tracking Projects on HDN & HUN Route					**12**				**603**	**164**	**440**	**6454**	**3430**	**3025**	

SOUTH CENTRAL RAILWAY

HDN/ HUN	Priority	Total Projects	Total Length (Km)	Length Commissioned upto 31.03.20 *(Km)*	Balance Length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto 31.03.20 *(Cr)*	Throw-forward as on 01.04.20 *(Cr)*
HDN	Super Critical	-	-	-	-	-	-	-
	Critical	2	328	-	328	4169	1414	2755
	Other Coal	1	202	-	202	2063	1026	1037
	Total on HDN	**3**	**530**	-	**530**	**6232**	**2440**	**3792**
HUN	Super Critical	1	221	57	164	2500	1825	675
	Critical	2	175	11	164	1849	1021	828
	Other Coal	-	-	-	-	-	-	-
	Total on HUN	**3**	**396**	**68**	**328**	**4349**	**2846**	**1503**
Total HDN + HUN	**Super Critical**	**1**	**221**	**57**	**164**	**2500**	**1825**	**675**
	Critical	**4**	**503**	**11**	**492**	**6018**	**2435**	**3583**
	Other Coal	**1**	**202**	**-**	**202**	**2063**	**1026**	**1037**
	Grand Total SCR	**6**	**926**	**68**	**858**	**10581**	**5286**	**5295**

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SCR- SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/4th Line/ Fly Over/ Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal Length of Main Project 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
A.	**HDN ROUTES**															
1	SCR	SCR	DL	Doubling	**Kazipet-Vijaywada 3rd line with electrification**	2012-13		Priority-I	HDN	220	0	220	1953	419	1533	Dec-24
2	SCR	SCR	DL	Doubling	**Kazipet -Ballarshah - 3rd line Excl. Mandamari-Raghavapuram**	2015-16	Coal	Priority-I	HDN	202	0	202	2063	1026	1037	Mar-24
3	SCR	SCR	DL	Bye Pass	**Renigunta, Wadi & Gooty Byepass**	2015-16		Priority-I	HDN	27	0	27	273	19	255	22-23
4	SCR	SCR	DL	Bye Pass	**Vijayawada, Kazipet Byepass line**	2015-16	Coal	**Critical**	HDN	41	0	41	621	41	580	Mar-23
5	SCR	**RVNL**	DL	Doubling	**Vijaywada- Gudur 3rd line**	2015-16		**Critical**	HDN	287	0	287	3549	1373	2176	Jun-22
	Total Sanctioned Multi - Tracking Projects on HDN Route					**5**				**776**	**0**	**776**	**8458**	**2878**	**5580**	
B.	**HUN ROUTES**															
1	SCR	**RVNL**	DL	Doubling	**Vijaywada-Gudivada-Bhimavaram-Narsapur, Gudivada-Machlipatnam & Bhimavaram-Nidadavolu DL**	2011-12		**Super Critical**	HUN	221	57	164	2500	1825	675	Jul-21
2	SCR	**RITES**	DL	Doubling	**Gooty-Dharmavaram**	2015-16		**Critical**	HUN	90	11	79	1053	509	544	Mar-21

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SCR- SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/4th Line/ Fly Over/ Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project *(Km)*	Main Project commissioned upto Mar 20. *(Km)*	Bal Length of Main Project 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
3	SCR	**RVNL**	DL	Doubling	**Secunderabad-Mehboobnagar**	2015-16		**Critical**	HUN	85	0	85	796	512	284	Jun-21
4	SCR	SCR	DL	Doubling	**Guntakal- Guntur**	2016-17		Priority-I	HUN	401	51	350	3631	842	2789	Mar-24
	Total Sanctioned Multi - Tracking Projects on HUN Route					**4**				**798**	**120**	**678**	**7980**	**3688**	**4292**	
	Grand Total of Sanctioned Multi - Tracking Projects on HDN & HUN Route					**9**				**1574**	**120**	**1454**	**16438**	**6566**	**9872**	

SOUTH EASTERN RAILWAY

HDN/ HUN	Priority	Total Projects	Total Length *(Km)*	Length Commissioned upto 31.03.20 *(Km)*	Balance Length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto 31.03.20 *(Cr)*	Throw-forward as on 01.04.20 *(Cr)*
HDN	Super Critical	4	108	77	31	1215	929	286
	Critical	2	233	-	233	2625	1077	1548
	Other Coal	2	162	-	162	1960	44	1916
	Total on HDN	**8**	**503**	**77**	**426**	**5800**	**2050**	**3750**
HUN	Super Critical	-	-	-	-	-	-	-
	Critical	-	-	-	-	-	-	-
	Other Coal	1	159	-	159	1993	541	1452
	Total on HUN	**1**	**159**	-	**159**	**1993**	**541**	**1452**
Total HDN + HUN	Super Critical	**4**	**108**	**77**	**31**	**1215**	**929**	**286**
	Critical	**2**	**233**	**0**	**233**	**2625**	**1077**	**1548**
	Other Coal	**3**	**321**	**0**	**321**	**3953**	**585**	**3368**
	Grand Total SER	**9**	**662**	**77**	**585**	**7793**	**2591**	**5202**

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SER - SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd /4th Line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal. Length of Main Project 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
A.	**HDN ROUTES**															
1	SER	SER	DL	3rd line	**Manoharpur-Bondamanda 3rd line**	2012-13		**Super Critical**	HDN	30	26	4	359	282	76	Jun-21
2	SER	SER	DL	3rd line	**Rajkharswan-Chakradharpur 3rd line**	2012-13		**Super Critical**	HDN	20	18	2	202	187	16	commissioned
3	SER	SER	DL	3rd line	**Kharagpur-Narayangarh 3rd line**	2012-13		**Super Critical**	HDN	24	20	4	270	188	82	Jun-21
4	SER	SER	DL	3rd line	**Rourkela-Jharsuguda 3rd line**	2015-16	Coal	**Critical**	HDN	101	0	101	1313	671	642	Dec-21
5	SER	RVNL	DL	3rd line	**Kharagpur-Adityapur 3rd line**	2015-16	Coal	**Critical**	HDN	132	0	132	1312	407	906	Jul-22
6	SER	SER	DL	3rd line	**Narayangarh-Bhadrak 3rd line**	2016-17	Coal	Priority-I	HDN	153	0	153	1866	14	1853	Dec-23
7	SER	SER	DL	4th line	**Bondamunda-Rourkela 4th line**	2016-17	Coal	Priority-I	HDN	9	0	9	94	31	63	Jun-21
8	SER	SER	DL	3rd line	**Chakardharpur-Goilkera 3rd line**	2015-16		**Super Critical**	HDN	34	13	21	383	272	111	commissioned
	Total Sanctioned Multi - Tracking Projects on HDN Route					**8**				**503**	**77**	**427**	**5800**	**2051**	**3750**	
B.	**HUN ROUTES**															
1	SER	SER	DL	Doubling	**Bondamunda-Ranchi**	2015-16	Coal	Priority-I	HUN	159	0	159	1993	541	1452	Dec-23
2	SER	SER	DL	Doubling	**Dumitra-link "C" line , connection with Bisra Station.**	2017-18		Priority-I	HUN	2	0	2	39	1	38	Jun-21
3	SER	SER	DL	Doubling	**Purulia-Kotshila**	2018-19		Priority-I	HUN	39	0	39	394	5	389	Jun-22
4	SER	SER	DL	Bye Pass	**Lodhma - Piska - Link Line bypassing Hatia/Ranchi with Y connection**	2018-19		Priority-I	HUN	17	0	17	598	1	597	Dec-22
	Total Sanctioned Multi - Tracking Projects on HUN Route					**4**				**217**	**0**	**217**	**3024**	**548**	**2476**	
	Grand Total of Sanctioned Multi- Tracking Projects on HDN & HUN Route					**12**				**720**	**77**	**644**	**8824**	**2599**	**6225**	

SOUTH EAST CENTRAL RAILWAY

HDN/ HUN	Priority	Total Projects	Total Length *(Km)*	Length Commissioned upto 31.03.20 *(Km)*	Balance Length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto 31.03.20 *(Cr)*	Throw-forward as on 01.04.20 *(Cr)*
HDN	Super Critical	2	166	144	22	1349	1193	156
	Critical	2	434	18	416	4727	916	3811
	Other Coal	-	-	-	-	-	-	-
	Total on HDN	**4**	**600**	**162**	**438**	**6076**	**2109**	**3967**
HUN	Super Critical	2	102	62	40	1225	814	411
	Critical	2	216	-	216	2085	691	1394
	Other Coal	-	-	-	-	-	-	-
	Total on HUN	**4**	**318**	**62**	**256**	**3310**	**1505**	**1805**
Total HDN + HUN	**Super Critical**	**4**	**268**	**206**	**62**	**2574**	**2007**	**567**
	Critical	**4**	**650**	**18**	**632**	**6812**	**1607**	**5205**
	Other Coal	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	Grand Total SECR	**8**	**918**	**224**	**694**	**9386**	**3614**	**5772**

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SECR - SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/4th line/ Fly Over/ Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project Commissioned upto Mar 20. (Km)	Bal. Length of Main Project 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
A.	**HDN ROUTES**															
1	CR SECR	SECR	DL	Bye pass	**Godhani-Kalumna Chord**	2010-11		**Super Critical**	HDN	14	6	8	122	104	18	Nov-20
2	SECR	SECR	DL	3rd line	**Champa-Jharsuguda 3rd line**	2008-09	Coal	**Super Critical**	HDN	152	139	14	1227	1089	137	Nov-20
3	SECR	SECR	DL	4th line	**Jharsuguda-Bilaspur -4th line**	2015-16	Coal	**Critical**	HDN	206	18	188	1974	220	1754	Dec-23
4	SECR	SECR	DL	Fly Over	**Jharsuguda-Bilaspur - Flyover/ Bye pass**	2015-16		Priority-I	HDN	10	0	10	300	0	300	Mar-24
5	SECR	SECR	DL	3rd line	**Rajnandgaon-Nagpur 3rd line**	2015-16		**Critical**	HDN	228	0	228	2753	696	2057	Dec-23
	Total Sanctioned Multi - Tracking Projects on HDN Route					**5**				**610**	**162**	**448**	**6375**	**2109**	**4266**	
B.	**HUN ROUTES**															
1	SECR	SECR	DL	Doubling & fly Over	**Khodri-Anuppur with flyover at Bilaspur**	2006-07	Coal	**Super Critical**	HUN	72	62	10	946	625	321	Feb-22
2	SECR	**RITES**	DL	3rd line	**Pendra Road-Anuppur - 3rd line**	2015-16	Coal	**Critical**	HUN	50	0	50	394	331	63	Mar-21
3	SECR	SECR	DL	3rd line	**Anuppur-Katni-3rd line**	2015-16	Coal	**Critical**	HUN	166	0	166	1691	360	1332	Mar-24
4	SECR	**RVNL**	DL	Doubling	**Raipur-Titlagarh**	2007-08	Coal & Port	**Super Critical**	HUN	30	0	30	279	189	90	Dec-21
	Total Sanctioned Multi - Tracking Projects on HUN Route					**4**				**318**	**62**	**256**	**3310**	**1505**	**1806**	
	Grand Total of Sanctioned Multi - Tracking Projects on HDN & HUN Route					**9**				**928**	**224**	**704**	**9685**	**3613**	**6072**	

SOUTH WESTERN RAILWAY

HDN/ HUN	Priority	Total Projects	Total Length *(Km)*	Length Commissioned upto 31.03.20 *(Km)*	Balance Length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto 31.03.20 *(Cr)*	Throw-forward as on 01.04.20 *(Cr)*
HDN	Super Critical	-	-	-	-	-	-	-
	Critical	-	-	-	-	-	-	-
	Other Coal	-	-	-	-	-	-	-
	Total on HDN	-	-	-	-	-	-	-
HUN	Super Critical	-	-	-	-	-	-	-
	Critical	4	795	344	451	6404	3743	2661
	Other Coal	-	-	-	-	-	-	-
	Total on HUN	**4**	**795**	**344**	**451**	**6404**	**3743**	**2661**
Total HDN + HUN	**Super Critical**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	Critical	**4**	**795**	**344**	**451**	**6404**	**3743**	**2661**
	Other Coal	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	Grand Total SWR	**4**	**795**	**344**	**451**	**6404**	**3743**	**2661**

SWR - SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/4th Line/ Fly Over/ Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal. Length of Main Project 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
A.	**HDN ROUTES**															
	Total Sanctioned Multi - Tracking Projects on HDN Route					**-**				**-**	**-**	**-**	**-**	**-**	**-**	
B.	**HUN ROUTES**															
1	CR & SWR	CR & SWR	DL	Doubling	**Pune-Miraj-Londa**	2015-16		**Critical**	HUN	186	16	170	1490	351	1139	Mar-23
2	SWR	SWR	DL	3rd line & 4th line	**Bangalore-Whitefield-Bangalore City-Krishnarajapuram Quadrupling**	1997-98		Priority-I	HUN	40	0	40	493	6	487	Dec-22
3	SWR	**RVNL**	DL	Doubling	**Hospet-Hubli-Londa-Tinaighat-Vasco-de-Gama.**	2010-11	Port	**Critical**	HUN	323	213	110	3000	1823	1177	Mar-23
4	SWR	SWR	DL	Doubling	**Hubli-Chikjajur**	2015-16		**Critical**	HUN	190	50	140	1141	993	148	Nov-21
5	SWR	SWR	DL	Doubling	**Arsikere-Tumkur**	2015-16		**Critical**	HUN	96	65	31	773	576	197	Mar-21
6	SWR	**K- RIDE**	DL	Doubling	**Baiyapannahalli to Hosur**	2018-19		Priority-I	HUN	48	0	48	499	11	488	Dec-23
7	SWR	**K- RIDE**	DL	Doubling	**Yeshwantpur to Channasandra**	2018-19		Priority-I	HUN	22	0	22	314	0	314	Dec-23
	Total Sanctioned Multi - Tracking Projects on HUN Route					**7**				**905**	**344**	**560**	**7710**	**3760**	**3950**	
	Grand Total of Sanctioned Multi - Tracking Projects on HDN & HUN Route					**7**				**905**	**344**	**560**	**7710**	**3760**	**3950**	

WESTERN RAILWAY

HDN/ HUN	Priority	Total Projects	Total Length *(Km)*	Length Commissioned upto 31.03.20 *(Km)*	Balance Length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto 31.03.20 *(Cr)*	Throw-forward as on 01.04.20 *(Cr)*
HDN	Super Critical	-	-	-	-	-	-	-
	Critical	-	-	-	-	-	-	-
	Other Coal	-	-	-	-	-	-	-
	Total on HDN	-	-	-	-	-	-	-
HUN	Super Critical	2	190	97	93	1155	1093	62
	Critical	4	488	104	384	3739	2616	1123
	Other Coal	-	-	-	-	-	-	-
	Total on HUN	**6**	**678**	**201**	**477**	**4894**	**3709**	**1185**
Total HDN + HUN	**Super Critical**	**2**	**190**	**97**	**93**	**1155**	**1093**	**62**
	Critical	**4**	**488**	**104**	**384**	**3739**	**2616**	**1123**
	Other Coal	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	Grand Total WR	**6**	**678**	**201**	**477**	**4894**	**3709**	**1185**

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WR- SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/4th Line/ Fly Over/ Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal. Length of Main Project 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
A.	**HDN ROUTES**															
	Total Sanctioned Multi - Tracking Projects on HDN Route					**-**				**-**	**-**	**-**	**-**	**-**	**-**	
B.	**HUN ROUTES**															
1	WR	WR	DL	Doubling	**Viramgam-Samakhiali**	2011-12		**Super Critical**	HUN	182	97	85	1105	1045	60	Dec-21
2	WR	**RVNL SPV**	DL	Doubling	**Palanpur-Samakhayali**	2012-13		**Critical**	HUN	248	39	209	1869	1527	342	Dec-21
3	WR	WR	DL	3rd line	**Vatva-Ahmedabad-3rd line with Automatic Signalling (7.5 km)**	2013-14		**Super Critical**	HUN	8	0	8	50	48	2	Oct-20
4	WR	WR	DL	Doubling	**Surendranagar-Rajkot**	2015-16		**Critical**	HUN	116	15	101	1002	501	501	Dec-22
5	WR	WR	DL	Doubling	**Nimach-Chittaurgarh**	2015-16		**Critical**	HUN	56	27	29	390	297	93	Dec-22
6	WR	WR	DL	Doubling	**Mehsana-Palanpur**	2018-19		P1	HUN	65	0	65	540	0	540	Mar-24
7	WR	WR	DL	Bye Pass	**Bhildi-Bye Pass line**	2019-20		Priority-I	HUN	1	0	1	11	0	11	Mar-23
8	WR	WR	**GC**	3rd line	**Ahmedabad- Mahesana**	2015-16		**Critical**	HUN	69	24	45	478	291	187	Oct-21
	Total Sanctioned Multi - Tracking Projects on HUN Route					**8**				**745**	**201**	**543**	**5445**	**3708**	**1737**	
	Grand Total of Sanctioned Multi - Tracking Projects on HDN & HUN Route					**8**				**745**	**201**	**543**	**5445**	**3708**	**1737**	

WEST CENTRAL RAILWAY

HDN/ HUN	Priority	Total Projects	Total Length *(Km)*	Length Commissioned upto 31.03.20 *(Km)*	Balance Length As on 01.04.20 *(Km)*	Anticipated Cost *(Cr)*	Expenditure upto 31.03.20 *(Cr)*	Throw-forward as on 01.04.20 *(Cr)*
HDN	Super Critical	1	41	-	41	400	367	33
	Critical	1	27	-	27	992	432	560
	Other Coal	2	150	141	9	1095	1069	26
	Total on HDN	**4**	**218**	**141**	**77**	**2487**	**1868**	**619**
HUN	Super Critical	2	299	96	203	2189	1435	754
	Critical	2	292	41	251	3011	893	2118
	Other Coal	-	-	-	-	-	-	-
	Total on HUN	**4**	**591**	**137**	**454**	**5200**	**2328**	**2872**
Total HDN + HUN	**Super Critical**	**3**	**340**	**96**	**244**	**2589**	**1802**	**787**
	Critical	**3**	**319**	**41**	**278**	**4003**	**1325**	**2678**
	Other Coal	**2**	**150**	**141**	**9**	**1095**	**1069**	**26**
	Grand Total WCR	**8**	**809**	**278**	**531**	**7687**	**4196**	**3491**

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WCR - SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/ 3rd/4th line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal Length of Main Project 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
A.	**HDN ROUTES**															
1	CR, WCR	CR, WCR	DL	3rd line	**Itarsi- Nagpur 3rd line.**	2015-16	Coal	Priority-I	HDN	5	0	5	20	0	20	Mar-24
2	WCR	**RVNL**	DL	3rd line	**Bhopal-Bina 3rd line**	2008-09	Coal	Priority-I	HDN	145	141	3	1075	1069	6	Mar-21
3	WCR	**RVNL**	DL	3rd line	**Budhni-Barkhera - 3rd line**	2010-11		**Critical**	HDN	27	0	27	992	432	560	Dec-22
4	WCR	**RVNL**	DL	3rd line	**Barkhera-Habibganj 3rd line**	2012-13		**Super Critical**	HDN	41	0	41	400	367	33	Mar-21
	Total Sanctioned Multi -Tracking Projects on HDN Route					**4**				**218**	**141**	**76**	**2487**	**1867**	**620**	
B.	**HUN ROUTES**															
1	WCR	**RVNL**	DL	Doubling	**Bina-Kota**	2011-12	Coal	**Super Critical**	HUN	283	96	187	1816	1271	544	Dec-21
2	WCR	**RVNL**	DL	Doubling	**Malkhedi-Mahadeokhedi**	2011-12		Priority-I	HUN	9	0	8.70	20	0	20	Dec-21
3	WCR	WCR	DL	3rd line	**Katni - Bina -3rd line**	2015-16		Priority-I	HUN	279	19	260	2875	611	2264	Mar-24
4	WCR	**IRCON**	DL	fly Over	**Katni- Grade separator / Byepass**	2015-16	Coal	**Critical**	HUN	35	0	35	1248	115	1132	Mar-23
5	WCR	**IRCON**	DL	Doubling	**Katni- Singrauli**	2015-16	Coal	**Critical**	HUN	257	41	217	1763	778	985	Mar-23
6	WCR	WCR	DL	Fly Over	**Powerkheda-Jujharpur-Single line flyover in UP direction**	2016-17	Coal	**Super Critical**	HUN	16	0	16	373	163	210	Dec-21

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S.No.	Railway	Executing Agency	Plan Head	DL/ 3rd/4th line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal Length of Main Project 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
7	WCR	WCR	DL	Bye Pass	**Ruthiyai-Bye Pass line**	2019-20		Priority-I	HUN	3	0	3	49		49	Mar-24
8	WCR	WCR	DL	Bye Pass	**Guna- Bye Pass line**	2019-20		Priority-I	HUN	2	0	2	52		52	Mar-24
	Total Sanctioned Multi - Tracking Projects on HUN Route					**8**				**883**	**156**	**727**	**8196**	**2939**	**5258**	
	Grand Total of Sanctioned Multi - Tracking Projects on HDN & HUN Route					**12**				**1100**	**297**	**803**	**10683**	**4805**	**5877**	

RVNL								
HDN/ HUN	**Priority**	**Total Projects**	**Total Length** *(Km)*	**Length Commissioned upto 31.03.20** *(Km)*	**Balance Length As on 01.04.20** *(Km)*	**Anticipated Cost** *(Cr)*	**Expenditure upto 31.03.20** *(Cr)*	**Throw-forward as on 01.04.20** *(Cr)*
HDN	**Super Critical**	3	299	169	130	3558	2857	701
	Critical	4	720	0	720	9531	3014	6517
	Other Coal	1	145	141	4	1075	1069	6
	Total on HDN	**8**	**1164**	**310**	**854**	**14164**	**6940**	**7224**
HUN	**Super Critical**	8	1384	634	750	12375	9107	3268
	Critical	8	1515	310	1205	14013	6526	7487
	Other Coal	-	-	-	-	-	-	-
	Total on HUN	**16**	**2899**	**944**	**1955**	**26388**	**15633**	**10755**
Total HDN + HUN	**Super Critical**	**11**	**1683**	**803**	**880**	**15933**	**11964**	**3969**
	Critical	**12**	**2235**	**310**	**1925**	**23544**	**9540**	**14004**
	Other Coal	**1**	**145**	**141**	**4**	**1075**	**1069**	**6**
	Grand Total RVNL	**24**	**4063**	**1254**	**2809**	**40552**	**22573**	**17979**

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RVNL - SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/ 3rd/4th line/ Fly Over/ Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project Commissioned upto Mar 20. (Km)	Bal. Length of Main Project 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
A.	**HDN ROUTES**															
1	ECoR	RVNL	DL	3rd line	**Khurda Road-Barang**	2003-04	Coal	**Super Critical**	HDN	32	26	7	433	400	33	Jun-21
2	NCR	RVNL	DL	3rd line	**Mathura-Jhansi 3rd line**	2015-16	Coal	**Critical**	HDN	274	0	274	3678	803	2875	Dec-23
3	CR	RVNL	DL	Doubling	**Daund-Gulbarga Doubling .**	2009-10		**Super Critical**	HDN	225	143	82	2725	2091	634	Mar-21
4	SCR	RVNL	DL	3rd line	**Vijaywada- Gudur 3rd line**	2015-16		**Critical**	HDN	287	0	287	3549	1373	2176	Jun-22
5	SER	RVNL	DL	3rd line	**Kharagpur-Adityapur 3rd line**	2015-16	Coal	**Critical**	HDN	132	0	132	1312	407	906	Jul-22
6	WCR	RVNL	DL	3rd line	**Bhopal-Bina 3rd line.**	2008-09	Coal	Priority-I	HDN	145	141	4	1075	1069	6	Dec-20
7	WCR	RVNL	DL	3rd line	**Budhni-Barkhera - 3rd line.**	2010-11		**Critical**	HDN	27	0	27	992	432	561	Dec-22
8	WCR	RVNL	DL	3rd line	**Barkhera-Habibganj 3rd line .**	2012-13		**Super Critical**	HDN	41	0	41	400	367	33	Mar-21
	Total Sanctioned Multi - Tracking Projects on HDN Route					**8**				**1163**	**310**	**854**	**14164**	**6940**	**7224**	
B.	**HUN ROUTES**															
1	ECoR	RVNL	DL	Doubling	**Sambalpur-Titlagarh.**	2006-07	Coal & Port	**Super Critical**	HUN	182	106	76	2009	1485	524	Dec-21
2	ECoR	RVNL	DL	Doubling	**Banspani-Daitari-Tomka-Jakhapura**	2009-10	Port	**Super Critical**	HUN	164	108	56	1536	1067	469	Dec-21
3	ECoR	RVNL	DL	3rd line	**Vizianagram-Titlagarh (Sambalpur) 3rd line**	2015-16		**Critical**	HUN	265	16	248	2575	779	1796	Mar-24
4	ECR	RVNL	DL	3rd line	**3rd line bet. Dhanbad-Sonnagar**	2015-16	Coal	**Critical**	HUN	291	0	291	3406	450	2956	Dec-23
5	NCR	RVNL	DL	Doubling	**Bhimsen--Jhansi**	2012-13		**Super Critical**	HUN	206	87	119	1575	1217	358	Dec-21
6	NER	RVNL	DL	Doubling	**Varanasi-Madhosingh-Allahabad**	2015-16		**Critical**	HUN	120	28	92	1000	464	536	Mar-23
7	NER	RVNL	DL	Doubling	**Phephna-Indara, Mau-Shahganj doubling excluding Indara-Mau**	2016-17		Priority-I	HUN	150	0	150	1061	11	1050	Jun-23
8	NER	RVNL	DL	Doubling	**Bhatni-Aurnihar with electrification excluding Indara-Mau.**	2016-17		Priority-I	HUN	117	0	117	1178	1	1177	Mar-24
9	NR	RVNL	DL	Doubling	**Utretia-Raibareilly**	2011-12		**Super Critical**	HUN	66	45	21	575	536	39	Mar-21

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RVNL - SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/ 3rd/4th line/ Fly Over/ Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project Commissioned upto Mar 20. (Km)	Bal. Length of Main Project 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
10	NR	RVNL	DL	Doubling	**Raibareilly-Amethi**	2013-14		**Super Critical**	HUN	60	15	45	475	429	46	Mar-21
11	NR	RVNL	DL	Doubling	**Janghai- Phaphamau with electrification**	2017-18		Priority-I	HUN	47	0	47	409	1	408	Jun-23
12	NWR	RVNL	DL	Doubling	**Sarotra Road-Karjoda Patch doubling.**	2010-11		**Critical**	HUN	24	14	10	185	163	22	Commissioned
13	SCR	RVNL	DL	Doubling	**Vijaywada-Gudivada-Bhimavaram-Narsapur, Gudivada-Machlipatnam & Bhimavaram-Nidadavolu DL .**	2011-12		**Super Critical**	HUN	221	57	164	2500	1825	675	Jul-21
14	SCR	RVNL	DL	Doubling	**Secunderabad- Mehboobnagar**	2015-16		**Critical**	HUN	85	0	85	796	512	284	Jun-21
15	ECOR SECR	RVNL	DL	Doubling	**Raipur-Titlagarh.**	2007-08	Coal & Port	**Super Critical**	HUN	203	119	84	1889	1276	613	Dec-21
16	SR	RVNL	DL	Doubling	**Madurai- Maniyachi-Tuticorin**	2015-16	Port	**Critical**	HUN	160	0	160	1182	808	374	Jun-22
17	SR	RVNL	DL	Doubling	**Maniyachi- Nagercoil**	2015-16		Priority-I	HUN	102	0	102	1004	484	520	Jun-22
18	SWR	RVNL	DL	Doubling	**Hospet-Hubli-Londa-Tinaighat-Vasco-de-Gama**	2010-11	Port	**Critical**	HUN	323	213	110	3000	1823	1177	Mar-23
19	WCR	RVNL	DL	Doubling	**Bina-Kota**	2011-12	Coal	**Super Critical**	HUN	283	96	187	1816	1271	544	Dec-21
20	WCR	RVNL	DL	Doubling	**Malkhedi-Mahadeokhedi**	2011-12		Priority-I	HUN	9	0	9	20	0	20	Dec-21
21	WR	RVNL	DL	Doubling	**Palanpur-Samakhayali**	2012-13		**Critical**	HUN	248	39	209	1869	1527	342	Dec-21
	Total Sanctioned Multi - Tracking Projects on HUN Route					**21**				**3324**	**944**	**2380**	**30061**	**16130**	**13931**	
	Grand Total of Sanctioned Multi - Tracking Projects on HDN & HUN Route					**29**				**4487**	**1254**	**3233**	**44225**	**23070**	**21155**	

IRCON								
HDN/ HUN	**Priority**	**Total Projects**	**Total Length** *(Km)*	**Length Commissioned upto 31.03.20** *(Km)*	**Balance Length As on 01.04.20** *(Km)*	**Anticipated Cost** *(Cr)*	**Expenditure upto 31.03.20** *(Cr)*	**Throw-forward as on 01.04.20** *(Cr)*
HDN	**Super Critical**	1	72	33	39	746	565	181
	Critical	-	-	-	-	-	-	-
	Other Coal	-	-	-	-	-	-	-
	Total on HDN	**1**	**72**	**33**	**39**	**746**	**565**	**181**
HUN	**Super Critical**	-	-	-	-	-	-	-
	Critical	2	292	41	251	3011	893	2118
	Other Coal	1	124	19	105	1200	578	622
	Total on HUN	**3**	**416**	**60**	**356**	**4211**	**1471**	**2740**
Total HDN + HUN	**Super Critical**	**1**	**72**	**33**	**39**	**746**	**565**	**181**
	Critical	**2**	**292**	**41**	**251**	**3011**	**893**	**2118**
	Other Coal	**1**	**124**	**19**	**105**	**1200**	**578**	**622**
	Grand Total IRCON	**4**	**488**	**93**	**395**	**4957**	**2036**	**2921**

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IRCON - SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/ 3rd/4th line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal. Length of Main Project 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
A.	**HDN ROUTES**															
1	ECR	IRCON	DL	Doubling	**Hajipur-Bachwara**	2015-16		**Super Critical**	HDN	72	33	39	746	565	181	May-21
	Total Sanctioned Multi - Tracking Projects on HDN Route					**1**				**72**	**33**	**39**	**746**	**565**	**181**	
B.	**HUN ROUTES**															
1	ECR	IRCON	DL	Doubling	**Kiul- Gaya**	2015-16	Coal	Priority-I	HUN	124	19	105	1200	578	622	Mar-23
2	WCR	IRCON	DL	fly Over	**Katni- Grade separator / Byepass**	2015-16	Coal	**Critical**	HUN	35	0	35	1248	115	1132	Mar-23
3	WCR	IRCON	DL	Doubling	**Katni- Singrauli**	2015-16	Coal	**Critical**	HUN	257	41	217	1763	778	985	Mar-23
	Total Sanctioned Multi - Tracking Projects on HUN Route					**3**				**416**	**60**	**356**	**4211**	**1471**	**2740**	
	Grand Total of Sanctioned Multi - Tracking Projects on HDN & HUN Route					**4**				**488**	**93**	**395**	**4957**	**2037**	**2921**	

RITES								
HDN/ HUN	**Priority**	**Total Projects**	**Total Length** *(Km)*	**Length Commissioned upto 31.03.20** *(Km)*	**Balance Length As on 01.04.20** *(Km)*	**Anticipated Cost** *(Cr)*	**Expenditure upto 31.03.20** *(Cr)*	**Throw-forward as on 01.04.20** *(Cr)*
HDN	**Super Critical**	-	-	-	-	-	-	-
	Critical	-	-	-	-	-	-	-
	Other Coal	-	-	-	-	-	-	-
	Total on HDN	-	-	-	-	-	-	-
HUN	**Super Critical**	-	-	-	-	-	-	-
	Critical	2	140	11	129	1447	841	606
	Other Coal	-	-	-	-	-	-	-
	Total on HUN	**2**	**140**	**11**	**129**	**1447**	**841**	**606**
Total HDN + HUN	**Super Critical**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	Critical	**2**	**140**	**11**	**129**	**1447**	**841**	**606**
	Other Coal	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	Grand Total RITES	**2**	**140**	**11**	**129**	**1447**	**841**	**606**

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RITES - SANCTIONED MULTI-TRACKING PROJECTS ON HDN / HUN ROUTES

S.No.	Railway	Executing Agency	Plan Head	DL/3rd/ 4th line/ Fly Over / Bye Pass	Name of Project	Year of inclusion in Budget	Importance	Priortiy of Project	Route	Length of Main Project (Km)	Main Project commissioned upto Mar 20. (Km)	Bal. Length of Main Project on 01.04.20	Anticipated Cost (Cr)	Expenditure upto Mar 20 (Cr.)	Throw Forward as on 01.04.20 (Cr)	Target date of completion
A.	**HDN ROUTES**															
	Total Sanctioned Multi - Tracking Projects on HDN Route					**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	
B.	**HUN ROUTES**															
1	SCR	RITES	DL	Doubling	**Gooty-Dharmavaram**	2015-16		**Critical**	HUN	90	11	79	1053	509	544	Mar-21
2	SECR	RITES	DL	3rd line	**Pendra Road-Anuppur - 3rd line**	2015-16	Coal	**Critical**	HUN	50	0	50	394	331	63	Mar-21
	Total Sanctioned Multi - Tracking Projects on HUN Route					**2**				**140**	**11**	**129**	**1447**	**841**	**606**	
	Grand Total of Sanctioned Multi - Tracking Projects on HDN & HUN Route					**2**				**140**	**11**	**129**	**1447**	**841**	**606**	

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PRIORITY TRAFFIC FACILITIES WORKS

S.No.	Rly	Name of the Work	Category of Work	Anticipated Cost *(Cr.)*	Exp. Upto March 2020 *(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	21.08	2.85	18.23	Dec, 20
2.	CR	Itarsi - Amla - Nagpur - Wardha - Bhusawal - Jalgaon (713.86 km) - Longer loop	Longer Loop	58.02	0	58.02	Dec, 21
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	49.7	14	35.7	Apr, 21
4.	CR	Pune : Extension of PF for 24/26 coaches and removal of DDS.	Coaching Facility	51.85	5.08	46.76	Apr,22
5.	CR	Panvel - Kalamboli Coaching Terminus to serve Navi Mumbai area - Phase -I Stage -I	Satellite Terminal	216.11	92.28	123.83	Dec,21
6.	CR	Chatrapati Shivaji Terminus Mumbai - Extn. of platform Nos 10,11,12 & 13 for 24 coaches	Coaching Facility	113.94	12.23	101.70	Mar, 22
7.	CR	Lokmanya Tilak Terminus: Augmentation of Coaching facilities.	Coaching Facility	64.10	8.83	55.28	Mar, 22
8.	CR	Hadapsar - Development as satellite terminal	Satellite Terminal	34.71	10.74	23.97	Mar, 21
9.	ECoR	Chipurupalli - Conversion of L4 into longer loop with common loop status for python trains	Longer Loop	8.26	6.29	1.97	May, 21

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S.No.	Rly	Name of the Work	Category of Work	Anticipated Cost *(Cr.)*	Exp. Upto March 2020 *(Cr.)*	Throw forward as on 01.04.20 *(Cr.)*	Target date of Completion
	Super Critical Traffic Facilities Project						
10.	ECoR	Handapa - Longer loop for long haul train operation	Longer Loop	7.02	1.48	5.54	Dec, 20
11.	ECoR	Sompeta-Baruva-Mandasa Road - Provision of intermediate block signalling.	IBS	8.29	2.78	5.51	Dec, 20
12.	ECoR	Ambodala - Lanjigarh Road - Intermediate block signal	IBS	3.50	2.26	1.24	Dec, 20
13.	ECoR	Gopalapatnam- Vizianagaram - Provision of auto signalling incl. Simhachalam bypass line.	Auto Signalling	61.12	12.49	48.63	Dec, 20
14.	ECoR	Muniguda - Doikallu - Intermediate block signal .	IBS	3.46	1.95	1.51	Dec, 20
15.	ECR	Bakhtiyarpur - Fly-over, Bakhtiyarpur - Barh - 3rd line & surface triangle between Bakhtiyarpur - Rajgir line and Athmalgola - Bakhatiyarpur up line	Flyover	237.5	229.7	7.78	Mar,22
16.	ECR	Mughalsarai - 24-coach platforms on all lines, direct reception of goods in up departure line at speed of 75 kmph	Coaching Facility	16.12	11.44	4.68	Dec,21
17.	ECR	Barauni - Improvement of traffic facilities at bye pass station	Byepass	57.19	0	57.19	
18.	ER	New Garia - New rail terminal station between Sealdah & Sonarpur.	Satellite Terminal	33.72	2.19	31.53	Mar,21
19.	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	17.49	12.3	5.19	Dec, 20

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S.No.	Rly	Name of the Work	Category of Work	Anticipated Cost *(Cr.)*	Exp. Upto March 2020 *(Cr.)*	Throw forward as on 01.04.20 *(Cr.)*	Target date of Completion
	Super Critical Traffic Facilities Project						
20.	NR	Lucknow-Saharanpur - Addl directional up & down loops (17 Nos)	Loop	91.47	48.67	42.79	Mar,22
21.	NR	Panipat-Subzimandi - Automatic signalling	Auto Signalling	40.32	32.94	7.37	Dec,22
22.	NR	Pilkhuwa-Dasna - New crossing station	crossing station				
23.	NR	Mughalsarai - Lucknow - Moradabad – Ambala-Jalandhar - Amritsar (1150 km) - Longer loops	Longer Loop	323.1	0	323.1	Dec,22
24.	NR	Varanasi - Yard remodelling work (Phase-II)	Yard Remodelling	24.94	11.28	13.66	Dec,21
25.	NR	Chheharta - Development of coaching cum maintenance facilities	Coaching Facility	63.26	30.70	32.56	Nov,20
26.	NR	Haridwar-Dehradun Section - Development of Facilities for running of 18 coach Trains.	Coaching Facility	128.54	71.18	57.35	Dec,20
27.	NR	Tilak Bridge, Subzi Mandi, Sarai Rohilla, Shakurbasti, Ghaziabad, Nizamuddin & Tughlakabad - Development of addl. train handling facilities	Coaching Facility	180.91	111.72	69.19	June,21
28.	NR	Bijwasan - Provision of Coaching/Freight handling Terminal.	Satellite Terminal	412.68	65.74	346.95	Mar,24
29.	NR	Shakurbasti - Coaching terminal in metre gauge area	Satellite Terminal	254.58	106.96	147.62	Mar,21
30.	NR	Lucknow-Kanpur - Addl loop line (3 stations)	Addl. Loop	32.25	0.5	31.75	Mar,21

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S.No.	Rly	Name of the Work	Category of Work	Anticipated Cost *(Cr.)*	Exp. Upto March 2020 *(Cr.)*	Throw forward as on 01.04.20 *(Cr.)*	Target date of Completion
	Super Critical Traffic Facilities Project						
31.	NR	Manak Nagar - Addl loop	Addl. Loop	33	6	27	Dec,21
32.	NR	Patel Nagar - Yard modification & upgradation of signalling gears	Yard Remodelling	39.56	6.87	32.69	July,21
33.	NR	Lucknow four line entry and exit with yard remodelling	Yard Remodelling	39.08	10.07	29	Feb,22
34.	NR	Pratapgarh - Yard remodeling	Yard Remodelling	43.73	5.78	37.95	May,21
35.	NR	Raebareli - Yard remodelling	Yard Remodelling	44.63	0.41	44.22	Dec,20
36.	NR	Anand Vihar - Development of new terminal and provision of 3 cross overs between 3rd& 4th line andGAL(Phse-II)	Satellite Terminal	163.72	160.82	2.9	Mar,21
37.	NCR	Achnera - Bypass line connecting Parkham (Mathura-Achnera route) to Chiksana (Agra Fort-Bandikui route)	Byepass	11.17	5.39	5.78	Mar,22
38.	NCR	Mathura Jn - Yard remodeling & flyover at Bhuteshwar	Yard Remodelling	96.85	49.77	47.08	Mar,23
39.	NER	Aishbagh-Manaknagar - Independent bypass line	Byepass	81.53	0	81.53	Dec,22
40.	NER	Gorakhpur Cantt. - Remodelling of station for developing as satellite terminal	Coaching Facility	24.64	14.46	10.18	Aug,21
41.	NER	Aishbagh - Development into satellite terminal station	Satellite Terminal	9.52	1.18	8.33	Jan, 21

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S.No.	Rly	Name of the Work	Category of Work	Anticipated Cost *(Cr.)*	Exp. Upto March 2020 *(Cr.)*	Throw forward as on 01.04.20 *(Cr.)*	Target date of Completion
	Super Critical Traffic Facilities Project						
42.	NER	Varanasi City - Home platform, track etc. & shunting neck for coaching facilities in connection with development of satellite station	Satellite Terminal	9.99	3.13	6.86	Dec, 20
43.	NER	Gomtinagar - New terminal station	Satellite Terminal	175.3	113.70	61.6	Dec,20
44.	SR	Vadakara - Mahe - Intermediate block section	IBS	4.69	3.16	1.53	Dec,20
45.	SR	Tikkotti - Vadakara - Intermediate block section	IBS	4.82	4.24	0.58	Dec,20
46.	SCR	Motumari - Bypass with overhead alignment towards Jaggayapet branch line at Kazipet end Kazipet - Vijayawada section	Byepass	40.69	19.75	20.98	June,21
47.	SCR	Tirupati - Development of entry from southern side	Coaching Facility	77.29	34.37	43.02	Oct,20
48.	SCR	Charlapalli - Development of satellite terminal	Satellite Terminal	80.94	1.22	79.72	June,21
49.	SCR	Rajahmundry Modification of RJY yard.	Yard Remodelling	36.68	17.18	19.50	June,21
50.	SER	Provision of Automatic Block Signalling arrangement in Up and Dn lines in RNC-TIS- RNC i.e. RNC-NKM-TIS and TIS-NKM-RNCblock sections of Ranchi Division.	Auto Signalling	18.34	6.46	11.89	Mar,21
51.	SER	Santragachi - Island platform between 1st loop & R3 by dismantling R1 & R2 with common loop signalling facility	Coaching Facility	18.18	13.68	4.5	Dec,21

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S.No.	Rly	Name of the Work	Category of Work	Anticipated Cost *(Cr.)*	Exp. Upto March 2020 *(Cr.)*	Throw forward as on 01.04.20 *(Cr.)*	Target date of Completion
	Super Critical Traffic Facilities Project						
52.	SER	Shalimar- Development of coaching terminal by provision of essential passenger amenities.	Coaching Facililty	321.44	177.30	144.14	June,21
53.	SER	Tikiapara - Santaragachi - Directconnectivity for 4th line with Howrah yard (platform Nos 17-23)	Multi Tracking	23.61	0.54	23.07	Mar,22
54.	SER	Sankrail - Freight terminal	Freight terminal	138.73	93.68	45.04	Dec,21
55.	SER	Ranital : Provision of extra loops in UP direction (Common Loop) & DN direction with reception and dispatch facility.	Addl. Loop	26.24	3.82	22.42	Mar, 21
56.	SER	Santragachi-Development of circulating area, essential Passenger Amenities & road connectivity with Kona expressway.	Coaching Facility	379.72	279.66	100.06	June,21
57.	SWR	Bangalore Division - 3rd coaching terminal at Baiyyappannahalli	Satellite Terminal	250	131.04	118.96	Dec,20
58.	WR	Vadodara Yard:-Segregation of Ahmedabad and Godhra.	Yard Remodelling	26.61	19.42	7.19	Dec,20
59.	WR	Sabarmati- Providing for left over facilities for operationalization of Sabarmati Coaching Terminal.	Coaching facility	40.75	20.97	19.78	Dec,20
60.	WCR	Itarsi - North South grade separator/ fly over with yard remodelling	Flyover	146.64	90.33	56.31	June,21
		Total		**5023**	**2203**	**2820**	

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S.No.	Rly	Name of the Work	Category of Work	Anticipated Cost *(Cr.)*	Exp. Upto March 20 *(Cr.)*	Throw forward as on 01.04.20 *(Cr.)*	Likely date of Completion
	Critical Traffic facilities Projects						
1.	CR	Kamshet~~Shifting of turnout and crossover at KMST for increasing CSL		3.64	1.2	2.44	Dec, 20
2.	CR	Godhani-Nagpur-Khapri - Automatic block signalling system replacing absolute block system		31.22	15.19	16.03	Dec, 20
3.	ECoR	Lanjigarh Road - Add loop line with common loop facility	Addl. Loop	7.74	5.01	2.72	Mar, 21
4.	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	6.47	3.25	3.22	May,21
5.	NR	Rohtak-Samar Gopalpur, Jind-Barsola & Jakhal-Bareta - Intermediate block sections adjacent to jn stations towards longer block sections	IBS	5.96	0.883	5.08	Mar,21
6.	NR	Delhi-Ambala - Removal of permanent speed restriction & shifting of turnouts (4 stations)	RPSR	5	0	5	Sep,21
7.	NR	Jammu - Second entry in c/w development of coaching terminal	Coaching Facility	222.91	10.42	212.49	Mar,22
8.	NR	Bari Brahman - Development of satellite of freight goods terminal	Freight Terminal	69.19	24.05	45.14	Mar,22
9.	NR	Salarpur - Development as freight terminal station	Freight Terminal	154.05	0.13	153.92	Dec,22

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S.No.	Rly	Name of the Work	Category of Work	Anticipated Cost *(Cr.)*	Exp. Upto March 20 *(Cr.)*	Throw forward as on 01.04.20 *(Cr.)*	Likely date of Completion
	Critical Traffic facilities Projects						
10.	NR	Holambi Kalan :- Additional acquisition ofland & development of world class Freight Terminal (to be dealtseparately).	Freight Terminal	805	456	349	Mar,23
11.	NR	Kalka. - Yard remodeling for Provision of one additional BG Platform Along with Provision of Central Panel.	Yard remodeling	15.31	10.80	4.51	Mar,21
12.	NCR	Aligarh-Ghaziabad – Automatic signaling in place of absolute block working on up line in connection with 3rd line.	Automatic signaling	109.79	34.95	74.84	June,22
13.	NCR	Aligarh-Ghaziabad – Bidirectional automatic 8ignaling on middle line in connection with 3rd line.	Automatic signaling	90.07	28.81	61.26	June,22
14.	NER	Tikri - Conversion of halt station into 3-line crossing station (28.65 km) (between Mankapur - Katra 28.65Km section).	Crossing Station	10.72	1.98	8.74	Dec, 2020
15.	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	13.92	5.57	8.35	Mar,22
16.	NWR	Khatipura - Development of new terminal facility as satellite station to Jaipur	Coaching Facility	187.39	32.44	154.96	Dec,21
17.	SR	Mangalore Central - Addl platform line	Coaching Facility	6.66	0	6.66	Mar,22

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S.No.	Rly	Name of the Work	Category of Work	Anticipated Cost *(Cr.)*	Exp. Upto March 20 *(Cr.)*	Throw forward as on 01.04.20 *(Cr.)*	Likely date of Completion
	Critical Traffic facilities Projects						
18.	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	56.39	14.93	41.46	Nov,20
19.	SCR	Renigunta - Mamanduru & Mamanduru - Balapalle - IB signals on up & down lines	IBS	6.05	4.37	1.67	Mar,21
20.	SCR	Vijayawada - Duvvada - IB stop signals (5 Nos)	IBS	12.13	8.43	3.70	Sep,20
21.	SER	Sankrail-Santragachi - Link line (14.5 km) via flyover from down side to up side	Flyover	224.12	211.1	13.05	Mar,22
22.	SWR	Naganahalli - Development of satellite terminal	Satellite Terminal	789.29	0	789.29	Mar,24
23.	WR	Andheri-Virar - Extension of suburban platforms for running 15-car services on slow corridor	Coaching Facility	59.56	42.85	16.71	Oct,20
24.	WCR	Bansa Pahar - Additional loop to accommodate long haul trains	Longer Loop	10.71	3.41	7.29	Mar,21
25.	WCR	Gangapur City-Mathura - Removal of permanent speed restriction of 90 kmph at 1093/1 to 1093/28	RPSR	7.90	3.50	4.40	Mar,21
		Total		**2911**	**919**	**1992**	

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S.No.	Rly	Name of the Work	Category of Work	Anticipated Cost *(Cr.)*	Exp. Upto March 2020 *(Cr.)*	Throw forward as on 01.04.20 *(Cr.)*	Likely date of Completion
	Essential Traffic Facilities Works						
1.	CR	Ajni - Development as satellite terminal		45.33	4.90	40.43	Dec, 20
2.	ECR	Patna Saheb - Addl. platform	Coaching Facility	3	0	3	Dec, 20
3.	ECR	Pawapuri Road-Silao - Crossing stations	Crossing Station	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	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 Facililty	17.60	0.37	17.22	Mar,24
6.	NCR	Allahabad Division - Longer loops (10 stations).	Longer loop	59.25	43.82	15.43	Dec,21
7.	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	8.22	7.32	0.9	Feb,21
8.	NCR	Development of Subedarganj Station as a Satellite station (Umbrella work)	Coaching Facility	44.4	0	44.4	Mar,24
9.	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	7.24	0.17	7.07	June,21
10.	NER	Gonda Jn Yard - Bypass line (2 Nos).	Byepass	12.51	6.33	6.17	Dec,21
11.	NER	Chhapra - 2nd entry, 2nd home platform, island platform, 3 new tracks & one stabling line etc	Coaching Facility	24.62	0	24.62	Jun,21
12.	NWR	Rewari-Sadulpur - Bypass line	Bye pass	75	37.53	37.47	Dec,21
13.	SCR	Vijayawada - Gudur (295 km) - Longer loop	Longer Loop	30	14.22	15.78	Mar,21

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S.No.	Rly	Name of the Work	Category of Work	Anticipated Cost *(Cr.)*	Exp. Upto March 2020 *(Cr.)*	Throw forward as on 01.04.20 *(Cr.)*	Likely date of Completion
	Essential Traffic Facilities Works						
14.	SCR	Visakhapatnam - Vijayawada (350 km) - Longer loop	Longer Loop	47.2	21.92	25.28	June,21
15.	SECR	Ib - Fly-over	Flyover	445.46	7.08	438.38	Dec,22
16.	WCR	Jabalpur Division - Intermediate block sections (11 Nos)	IBS	29.61	24.58	5.03	Dec,20
17.	WCR	Mason Gaon & Bhairon Pur - Conversion of C-class stations into intermediate block sections	IBS	6.69	2.71	3.99	Dec,21
18.	WCR	Satna-Manikpur - Extn. of up loop lines at Sagma station to accommodate long haul	Longer Loop	5.32	0.93	4.39	Mar,21
19.	WCR	Madan Mahal-Howbagh - Development of Madan Mahal station as coaching terminal & Howbagh station as coaching complex	Satellite Terminal	120.25	11.04	109.20	Mar,22
20.	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	26.17	10.89	15.28	June,21
		Total		**1114**	**203**	**910**	

Railway Electrification

Zone wise Priority List of On-going RE Works as on 01.10.2020

Plan Head	RLY	Section	RKM	Commissioned RKM	Balance RKM
RE	CR	Jasai - Jawaharlal Nehru Port Trust	9	0	9
RE	CR	Pune-Miraj-Kolhapur	326	82	244
RE	CR	Lonand-Phaltan	26	0	26
DL	CR	Pune-Wadi-Guntakal	641	372	269
RE	CR	Miraj-Kurduwadi-Latur	377	62	315
RE	ECoR	Khurda Road - Balangir	96	0	96
RE	ECR	Dauramadhepura-Purnia	77	0	77
RE	ECR	Koderma - Hazaribagh - Barkakana - Ranchi	203	166	37
RE	ECR	Giridih-Nawadih-Koderma	114	103	11
RE	ECR	Raxaul-Sitamarhi-Darbhanga-Samastipur	231	38	193
RE	ECR & NFR	Barauni-Katihar-Guwahati incl Katihar-Barsoi	836	423	413
RE	ER	Rampurhat-Dumka, Bhagalpur-Dumka Incl BHLB-BAKA, JSME-DUMK Incl DGHR-BAKA incl. MDP-GRD	361	0	361
RE	ER	Katwa-Azimganj-Nalhati & Azimganj-Tildanga/New Farakka incl. Nalhati & Azimganj bypass line	200	140	60
SPV	KRCL	Roha-Thokur	739	109	630
RE	NCR	Mahoba-Udaipura	196	0	196
RE	NCR	Bhandai-Udi	113	0	113
RE	NCR	Birlanagar-Etawah	115	0	115
RE	NCR	Shikohabad-Farrukhabad	158	0	158
RE	NCR	Barhan-Etah	59	0	59
RE	NER	Gonda- Bahraich	60	0	60
RE	NER	Moradabad-Kashipur-Ramnagar, Rampur-Lalkua-Kathgodam incl. Lalkua-Kashipur and Bareilly-Lalkua	309	0	309
RE	NER	Shahanjahanpur-Pilibhit, Pilibhit-Tanakpur	145	0	145
RE	NER	Salempur-Barhaj Bazar exisiting BG line	20	0	20
RE	NER	Gorakhpur-Anand Nagar-Gonda & Anand Nagar-Nautanwa	262	0	262
RE	NER	Kasganj-Bareilly, Bhojipura-Daliganj	401	187	214
DL	NER	Phephna-Indara, Mau-Shahganj	150	0	150
RE	NER	Duraundha-Maharajganj-Masrakh	41	0	41
RE	NER	Mandhana Jn-Brahmavard	8	0	8

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Plan Head	RLY	Section	RKM	Commissioned RKM	Balance RKM
RE	NFR	Lumding-Badarpur single line	172	0	172
RE	NFR	Katihar-Teznarayanpur, Barsoi-Radhikapur & Eklakhi-Balurghat single line	176	0	176
RE	NFR	Katihar – Jogbani single line	109	0	109
RE	NFR	Badarpur-Silchar incl. Arunachal-Jiribam & Katkhal-Bhairabi & Badarpur-Karimganj-Agartala-Sabroom-incl. Agartala-Akhaura & KArimganj-Mahishashan single line	590	0	590
RE	NFR	Rangiya Jn.- Rangapara- Harmuty - Naharlagun including branch lines	339	0	339
RE	NFR	Mariani-Jorhat town-Furkating & Tinsukia Jn -Makum-Tirap & Makum-Dangri single line	174	0	174
RE	NFR	Chaparmukh-Silghat Town incl. Senchoa Jn-Mairabari single line	130	0	130
RE	NFR	New Bongaigaon-Goalpara-Kamakhya	175	0	175
RE	NFR	Guwahati-Dibrugarh via Tinsukia and Simaluguri-Dibrugarh	661	0	661
RE	NFR	Raninagar– Haldibari single line	34	0	34
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
RE	NFR	Harmuty - Murkongselek including branch line	230	0	230
RE	NFR	Aluabari-Siliguri via Baghdogra	76	0	76
RE	NR	Amb Andaura-Talwara	40	0	40
RE	NR	Phaphamau-Pratapgarh	46	0	46
RE	NR	Raebareli-Unchahar incl. Dalmau-Daryapur	63	0	63
RE	NR	Bathinda Jn. - Abohar-Sri Ganganagar	125	0	125
RE	NR	Batala Jn. - Qadian	19	0	19
RE	NR	Taran Taran - Patti - Khemkaran	54	0	54
RE	NR	Verka Jn. - Dera Baba Nanak	45	0	45
RE	NR	Akbarpur-Faizabad-Barabanki	161	0	161
RE	NR	Bhatinda-Firozpur-Jalandhar City Incl. Lohian Khas-Nakodar-Phillaur & Nakodar-Jalandhar	301	0	301
RE	NR	Jalandhar City - Hoshiarpur	38	0	38
RE	NR	Sonipat- Gohana- Jind	86	0	86
RE	NR	Bareilly-Chandausi-Harduaganj incl. Chandausi-Moradabad	199	88	111
RE	NR	Unnao-Balamau-Sitapur	162	0	162
RE	NR	Garhi Harsaru-Farukhnagar	12	0	12

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Plan Head	RLY	Section	RKM	Commissioned RKM	Balance RKM
RE	NR	Noli-Tapri	143	0	143
NL	NR	Katra-Banihal-Qazigund-Baramulla	262	0	262
RE	NR	Phagwara Jn. - Nawanshahar Doaba-Jaijon Doaba incl. Nawanshahar-Rahon	74	0	74
RE	NR	Faizabad - Sultanpur-Chilbila	94	0	94
RE	NR	Janghai-Zafrabad	47	0	47
RE	NR	Ludhiana - Ferozpur City - Hussainiwala including Ferozpur City – Fazilka - Abohar & Kotkapura - Fazilka	339	0	339
RE	NR	Raja Ka Sahaspur-Sambhal Hatim Sarai	23	0	23
RE	NR, NWR & WR	Delhi Sarai Rohilla - Rewari - Palanpur - Ahmedabad, incl. Kalol - Gandhinagar - Khodiyar and Alwar - Bandikui - Jaipur - Phulera	1087	914	173
RE	NWR	Sadulpur-Ratangarh-Bikaner Lalgarh incl. Ratangarh Sardarshahar	286	0	286
RE	NWR	Hissar - Bhatinda - Suratgarh/Suratgarh Thermal Power Station	328	318	10
RE	NWR	Sawai Madhopur-Jaipur-Ringas	188	106	82
RE	NWR	Suratgarh-Phalodi--Bhildi incl. Phalodi-Jaisalmer (902 rkm)	902	0	902
RE	NWR	Thiyat Hamira-Sanu incl. Pipar Road-Bilara,Makrana-Parbatsar and Merta Rd-Merta city	136	0	136
RE	NWR	Ringas-Sikar-Churu	140	0	140
RE	NWR	Rewari-Sadulpur-Hanumangarh	320	139	181
RE	NWR	Degana - Ratangarh	143	0	143
RE	NWR	Hisar-Suratpura	65	0	65
RE	NWR	Sikar-Loharu	122	0	122
RE	NWR	Samdari - Barmer-Munabao	250	0	250
RE	NWR	Hanumangarh-Sriganganagar-Sarupsar-Suratgarh incl Sarupsar-Anupgarh	281	0	281
RE	NWR	Luni-Marwar	72	0	72
RE	NWR	Madar-Pushkar	26	0	26
RE	NWR	Bikaner-Merta-Jodhpur and Merta-Phulera	424	0	424
RE	SCR	Purna-Akola	209	0	209
DL	SCR	Umdanagar (Secunderabad)-Mahabubnagar	84	0	84
RE	SCR	Manmad - Mudkhed - Dhone excl. Umdanagar-Mehboobnagar	783	0	783
RE	SCR	Dharamavaram-Pakala	228	0	228
DL	SCR	Vijaywada-Gudiwada-Machilipatnam & Bhimavaram-Nidadavolu	221	0	221
RE	SCR	Gadwal-Raichur	57	0	57
RE	SCR	Nandyal-Yerraguntla	123	0	123

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Plan Head	RLY	Section	RKM	Commissioned RKM	Balance RKM
RE	SCR	Tenali-Repale	34	0	34
RE	SCR	Pimpalkutti-Mudkhed & Prarbhani -Parli Vaijnath	246	0	246
RE	SCR	Lingempet Jagtiyal-Nizamabad	95	0	95
RE	SCR	Parli Vaijnath – Vikarabad	269	0	269
RE	SECR	Chhindwara-Nainpur-Mandala Fort	183	19	164
RE	SECR	Balaghat-Katangi	47	0	47
RE	SECR	Gondia-Nainpur-Jabalpur	229	208	21
NL	SECR	Kharsia-Korichhapar-Dharamjaygarh	43	43	0
RE	SECR	Marauda- Dallirajhara	76	0	76
RE	SECR	Tirodi-Katangi	15	0	15
RE	SECR	Tumsar Road - Tirodi	47	0	47
RE	SER	Bankura-Mashagram	118	40	78
RE	SER	Tata-Badampahar	89	0	89
RE	SER	Rupsa-Bangriposi	89	0	89
RE	SR	Villupuram-Cuddalore Port-Mayiladuturai- Thanjavur & Mayiladuturai-Thiruvarur	228	163	65
RE	SR	Kollam-Punalur	44	0	44
RE	SR	Shoranur-Mangalore-Penambur	328	319	9
RE	SR	Pollachi-Podanur	40	0	40
RE	SR	Dindigul-Palghat	179	0	179
RE	SR	Tiruchchirapalli-Manamadurai-Virudunagar	217	0	217
RE	SR	Salem-Vridachalam-Cuddalore Port	196	0	196
RE	SR	Virudunagar - Tenkasi Jn	122	0	122
RE	SR	Tiruchchirappalli - Nagapattinam - Karaikkal Port	153	144	9
RE	SR	Sengottai- Tenkasi Jn. - Tirunelveli-Tiruchendur	141	0	141
RE	SR	Madurai - Manamadurai Jn.-Rameswaram	161	0	161
RE	SR	Shoranur-Nilambur	66	0	66
RE	SWR	Hospet - Hubli - Vasco da Gama	346	72	274
RE	SWR	Miraj-Londa	189	0	189
RE	SWR	Birur-Talguppa	161	0	161
RE	SWR	Bengaluru-Omalur via Hosur	196	35	161
RE	SWR	Hospet-Swamihalli	59	0	59
RE	SWR	Mysuru- Hassan-Mangalore incl. Arsikere -Hassan	347	0	347
RE	SWR	Mysuru-Chamarajanagar	61	0	61
RE	SWR	Chikbanavar-Hasan	166	0	166
RE	SWR	Kadur-Chikmaglur	46	0	46

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Plan Head	RLY	Section	RKM	Commissioned RKM	Balance RKM
RE	SWR	Chikjajur-Bellary	184	102	82
RE	SWR	Bangarpet-Yelehanka	149	0	149
RE	SWR	Chikbanavar-Hubballi	456	0	456
RE	SWR	Gadag-Hotgi	284	0	284
RE	WCR	Guna-Gwalior	227	101	126
RE	WCR & WR	Ratlam - Nimach - Chanderia - Kota	348	258	90
SPV	WR	Surendranagar-Pipavav	271	119	152
RE	WR	Mahesana- Patan-Bildi	91	0	91
RE	WR	Dhola- Bhavnagar with Sihor Jn.- Palitana & Rajula Road Jn- Mahuva	119	0	119
RE	WR	Mehsana-Viramgam-Samakhiyali	292	67	225
RE	WR	Ahmedabad-Rajkot	233	129	104
RE	WR	Mhow-Khandawa	138	46	92
SPV	WR	Palanpur-Samakhiyali	247	0	247
RE	WR	Adipur- New Bhuj	49	0	49
RE	WR	Kanalus-Wansjalia-Porbandar	103	0	103
RE	WR	Anand- Khambhat	52	0	52
RE	WR	Wankaner-Dahinsara-Maliya Miyana & Surendranagar-Dhrangandhra	132	31	101
RE	WR	Jhund-Kharagoda	23	0	23
RE	WR	Ankleshwar - Rajpipla	63	0	63
RE	WR	Rajkot-Jetalsar-Verval-Somnath with Jetalsar-Wansjalia	278	0	278
RE	WR	Vasad- Kathana	43	0	43
RE	WR	Nadiad- Modasa	105	0	105
RE	WR	Rajkot-Sikka-Okha	271	72	199
RE	WR	Kanjari Boriyavi- Vadtal	6	0	6
RE	WR	Vishvamitri - Pratap Nagar -Chhota udepur	102	0	102
RE	WR	Samakhiyali-Gandhidham-Kandla Port-Mundra Port	77	0	77
Total			**27822**	**5215**	**22607**

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Priority Signalling works - (2021-24)								*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 Signalling works - (2021-24)								*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
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

Priority Signalling works - (2021-24)								*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**
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
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

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Priority Signalling works - (2021-24)								*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**
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
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

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Priority Signalling works - (2021-24)								*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**
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
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 ciruit	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

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Priority Signalling works - (2021-24)								*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**
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
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 availibility single section in digital axle counters (40 block sections)	RRSK	10	8	2

Priority Signalling works - (2021-24)								*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**
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
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

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Priority Signalling works - (2021-24)								*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**
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 interloking	RRSK	31	19	12
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

Priority Signalling works - (2021-24)								*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**
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
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 - Duel 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 Signalling works - (2021-24)								*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	Jagadishpur, 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
138	ER	33	2015-2016	Ashokenagar - Repl. of panel interlocking	RRSK	6	3	3

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Priority Signalling works - (2021-24)								*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**
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 complted Works (Financial Closure)		0	0	0
152	MR	33	2019-20	Metro Railway - Signalling works (Umbrella Work 2019-20)	RRSK	53	0	53
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

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Priority Signalling works - (2021-24)								*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**
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-Bamhrauli - 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
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

Priority Signalling works - (2021-24)								*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**
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
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

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Priority Signalling works - (2021-24)								*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**
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
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

Priority Signalling works - (2021-24)								*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**
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 signallilng 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
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

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Priority Signalling works - (2021-24)								*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**
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
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

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Priority Signalling works - (2021-24)								*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**
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
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

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Priority Signalling works - (2021-24)								*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 signallilng 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

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Priority Signalling works - (2021-24)								*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
259	NR	33	2016-2017	Replacement of signaling gears with EI on Khekra, Bagpat Road, Baraut, Kandhla & Qasimpur Kheri staions on Delhi Shahdara - Saharanpur section.	RRSK	41	0	41

Priority Signalling works - (2021-24)								*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**
260	NR	33	2018-2019	Kalayat, 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	Firozpur-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 & Ubarni - 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
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

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Priority Signalling works - (2021-24)								*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**
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
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

Priority Signalling works - (2021-24)								*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**
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
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

Priority Signalling works - (2021-24)								*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**
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
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

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Priority Signalling works - (2021-24)								*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**
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
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-Dalmau, Dalmau-Unchahar, Dalmau-Daryapur, Unchahar-Daryapur & Phaphamau-Faizabad - Optic fibre cable communuication (330 km)	RRSK	17	3	14

Priority Signalling works - (2021-24)								*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**
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
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

Priority Signalling works - (2021-24)								*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**
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 signallilng 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
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 Raiway - Reliability improvement, selective repl of signalling items and safety enhancement through signalling system (Umbrella Work 2019-20)	RRSK	56	0	56

Priority Signalling works - (2021-24)								*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**
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
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 Signalling works - (2021-24)								*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 Vaijnath-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
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

Priority Signalling works - (2021-24)								*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**
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
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

Priority Signalling works - (2021-24)								*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**
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 Marshilling 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 signallilng 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
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

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Priority Signalling works - (2021-24)								*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**
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
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

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Priority Signalling works - (2021-24)								*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**
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
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 signallilng 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

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Priority Signalling works - (2021-24)								*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**
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
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

Priority Signalling works - (2021-24)								*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**
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
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 signallilng 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

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Priority Signalling works - (2021-24)								*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**
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
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

Priority Signalling works - (2021-24)								*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**
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
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

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Priority Signalling works - (2021-24)								*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**
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
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
500	WCR	33	2017-2018	Banapura, Bhirangi, Harda & Palasner - Repl of indoor & outdoor signalling gears (B-route)	RRSK	28	8	19

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Priority Signalling works - (2021-24)								*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**
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-Sawaimadhopur-Nagda - Sawaimadhopur Section: Replacement of old and outlived signalling gears at identified critical 10 stations	RRSK	27	4	23
509	WCR	33	2017-2018	Sawaimadhopur-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
511	WCR	33	2019-20	West Central Railway - Repl of overaged signallilng 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

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Priority Signalling works - (2021-24)								*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**
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
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

Priority Signalling works - (2021-24)								*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**
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
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

780403/2020/MECHANICAL(WAGON)

Priority Signalling works - (2021-24)								*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**
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
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 signallilng 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

Priority Signalling works - (2021-24)								*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**
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
				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**

FUND REQUIREMENTS

FOR

PRIORITY NEW LINE, GAUGE CONVERSION & THROUGHPUT ENHANCEMENT PROJECTS

TRAFFIC FACILITIES WORKS

RAILWAY ELECTRIFICATION

AND

SIGNALLING & TELECOMUNICATION WORKS

Funds Requirement For Super Critical Projects *(Cr.)*								
Railways	**Additional Funds Requirement in FY 20-21**	**FY 21-22**	**FY 22-23**	**FY 23-24**	**FY 24-25**	**FY 25-26**	**FY 26-27**	**Total**
CR	20	27	0	0	0	0	0	**104**
ECoR	56	153	101	5	0	0	0	**534**
ECR	5	45	0	0	0	0	0	**64**
ER	42	191	121	80	50	0	0	**608**
NCR	0	114	0	0	0	0	0	**214**
NER	0	50	0	0	0	0	0	**130**
NFR	57	26	0	0	0	0	0	**94**
NR	34	40	0	0	0	0	0	**101**
NWR	60	34	0	0	0	0	0	**110**
SCR	33	47	65	0	0	0	0	**146**
SECR	4	178	54	0	0	0	0	**301**
SER	37	87	17	0	0	0	0	**203**
SR	113	293	69	10	0	0	0	**610**
WCR	0	150	10	0	0	0	0	**192**
WR	69	47	40	0	0	0	0	**339**
IRCON	75	17	0	0	0	0	0	**170**
RVNL	1464	2186	340	30	0	0	0	**5791**
Total	**2070**	**3684**	**817**	**125**	**50**	**0**	**0**	**9711**

Funds Requirement For Critical Projects *(Cr.)*								
Railways	**Additional Funds Requirement in FY 20-21**	**FY 21-22**	**FY 22-23**	**FY 23-24**	**FY 24-25**	**FY 25-26**	**FY 26-27**	**Total**
CR	931	1393	1164	542	7	0	0	**5400**
ECoR	32	705	1068	566	171	29	0	**3415**
ECR	115	1479	975	325	50	0	0	**3564**
ER	38	42	25	15	10	0	0	**164**
NCR	15	270	412	46	0	0	0	**869**
NER	118	718	490	240	50	0	0	**2009**
NFR	200	650	900	347	0	0	0	**2476**
NR	76	685	694	461	81	0	0	**2673**
NWR	30	40	0	0	0	0	0	**103**
SCR	122	286	100	0	0	0	0	**590**
SECR	89	1112	1623	1420	400	0	0	**5807**
SER	20	230	200	22	0	0	0	**675**
SWR	249	858	513	120	0	0	0	**2593**
WCR	7	200	70	0	0	0	0	**357**
WR	7	300	200	0	0	0	0	**854**
IRCON	50	800	800	322	0	0	0	**2474**
RITES	0	15	0	0	0	0	0	**194**
RVNL	2751	5492	3185	2060	978	0	0	**18619**
Total	**4850**	**15275**	**12419**	**6486**	**1747**	**29**	**0**	**52837**

Funds Requirement For Additional Coal projects *(Cr.)*								
Railways	**Additional Funds Requirement in FY 20-21**	**FY 21-22**	**FY 22-23**	**FY 23-24**	**FY 24-25**	**FY 25-26**	**FY 26-27**	**Total**
CR	12	490	565	557	439	0	0	**2618**
ECoR	0	21	54	21	3	1	0	**105**
ECR	220	550	450	50	0	0	0	**1404**
ER	46	25	20	10	10	0	0	**144**
NCR	0	200	250	250	300	0	0	**1305**
SCR	600	564	295	265	0	0	0	**2236**
SECR	71	150	12	0	0	0	0	**281**
SER	64	944	937	1014	418	0	0	**4099**
SR	15	127	112	115	0	0	0	**437**
WCR	3	16	30	15	0	0	0	**74**
IRCON	50	200	150	0	0	0	0	**769**
RVNL	11	10	0	0	0	0	0	**236**
Total	**1092**	**3297**	**2875**	**2297**	**1169**	**1**	**0**	**13709**

Funds Requirement For Additional Throughput Enhancement Projects on HDN / HUN Routes *(Cr.)*								
Railways	**Additional Funds Requirement in FY 20-21**	**FY 21-22**	**FY 22-23**	**FY 23-24**	**FY 24-25**	**FY 25-26**	**FY 26-27**	**Total**
CR	251	1000	740	620	147	0	0	**3349**
ECoR	0	445	889	884	1172	1270	0	**5321**
ECR	186	595	500	650	275	0	0	**2681**
ER	28	75	50	35	15	10	0	**271**
NCR	100	1140	1260	1229	829	420	0	**5367**
NER	116	270	100	10	0	0	0	**756**
NFR	250	1187	619	144	0	0	0	**2739**
NR	28	380	450	232	30	10	0	**1374**
NWR	80	212	250	69	0	0	0	**903**
SCR	821	1137	1370	1370	1330	0	0	**7200**
SECR	0	0	100	150	49	0	0	**319**
SER	0	217	402	293	96	0	0	**1125**
SR	313	865	670	600	532	68	0	**3332**
SWR	31	140	220	53	0	0	0	**524**
WCR	104	423	447	420	400	250	0	**2573**
K RIDE	33	150	163	43	0	0	0	**529**
RVNL	193	1050	1150	674	132	0	0	**4031**
Total	**2533**	**9286**	**9380**	**7475**	**5007**	**2028**	**0**	**42394**

Funds Requirement For National Projects *(Cr.)*								
Railways / PSUs	**Additional Funds Requirement in FY 20-21**	**FY 21-22**	**FY 22-23**	**FY 23-24**	**FY 24-25**	**FY 25-26**	**FY 26-27**	**Total**
NFR	569	4466	3169	3085	2500	1551	0	15941
NR	0	3900	2900	817	0	0	0	7839
IRCON	0	2000	4000	258	0	0	0	6347
RVNL	495	5700	6000	6500	5300	2852	0	27212
Total	**1063**	**16066**	**16069**	**10660**	**7800**	**4403**	**0**	**57340**

Funds Requirement for Gauge Conversion Projects *(Cr.)*								
Railways / PSU	**Additional Funds Requirement in FY 20-21**	**FY 21-22**	**FY 22-23**	**FY 23-24**	**FY 24-25**	**FY 25-26**	**FY 26-27**	**Total**
ECR	176	235	125	0	0	0	0	**872**
NCR	370	650	800	1150	550	0	0	**4052**
NER	160	200	180	150	100	0	0	**1027**
NWR	138	451	83	0	0	0	0	**1156**
SCR	160	315	200	100	50	200	0	**1160**
SECR	60	446	176	132	70	0	0	**1370**
SR	45	250	48	0	0	0	0	**523**
WR	392	570	617	400	400	400	0	**3333**
G-RIDE	0	50	55	45	0	0	0	**240**
IRCON	28	75	100	64	0	0	0	**354**
MRIDC	30	150	50	0	0	0	0	**346**
RVNL	404	210	104	0	0	0	0	**1397**
Total	**1962**	**3601**	**2538**	**2041**	**1170**	**600**	**0**	**15830**

Funds Requirement for Only Priority Traffic Facilities					
Priority	**Additional fund needed during 20-21** *(Cr.)*	**FY 21-22** *(Cr.)*	**FY 22-23** *(Cr.)*	**FY 23-24** *(Cr.)*	**Total**
Super Critical	373	1205	1205	603	3386
Critical	56	799	799	400	2054
Essential	158	259	259	130	806
Total	**586**	**2264**	**2264**	**1132**	**6245**

Funds Requirement for Super Critical Traffic Facilities Works *(Cr.)*					
Railways	**Additional fund needed during FY 20-21**	**FY 21-22**	**FY 22-23**	**FY 23-24**	**Total**
CR	19	147	147	73	**386**
ECoR	9	17	17	8	**51**
ECR	4	33	33	17	**87**
ER	0	7	7	3	**17**
NER	37	44	44	22	**147**
WR	10	4	4	2	**20**
NCR	9	15	15	7	**46**
NR	73	670	670	335	**1748**
SER	125	116	116	58	**415**
SR	2	0	0	0	**2**
SWR	60	20	20	10	**110**
WCR	25	16	16	8	**65**
SCR	0	117	117	58	**292**
Total	**373**	**1205**	**1205**	**603**	**3386**

Funds Requirement for Critical Traffic Facilities Works *(Cr.)*					
Railways	**Additional fund needed during FY 20-21**	**FY 21-22**	**FY 22-23**	**FY 23-24**	**Total**
CR	0	5	5	2	**12**
ECoR	0	2	2	1	**5**
NER	0	2	2	1	**5**
WR	0	10	10	5	**25**
NCR	12	44	44	22	**122**
NR	4	276	276	138	**694**
SER	28	69	69	35	**201**
SR	0	1	1	1	**3**
SWR	0	313	313	156	**782**
WCR	0	5	5	2	**12**
SCR	0	13	13	6	**32**
NWR	12	60	60	30	**162**
Total	**56**	**799**	**799**	**400**	**2054**

Funds Requirement for Essential Traffic Facilities Works *(Cr.)*					
Railways	**Additional fund needed during FY 20-21**	**FY 21-22**	**FY 22-23**	**FY 23-24**	**Total**
CR	0	15	15	7	**37**
ECR	0	3	3	2	**8**
ER	0	38	38	19	**95**
NER	0	10	10	5	**25**
NCR	5	21	21	10	**57**
WCR	12	38	38	19	**107**
SCR	0	2	2	1	**5**
NWR	11	11	11	5	**38**
SECR	130	121	121	61	**433**
Total	**158**	**259**	**259**	**130**	**806**

1. Railway Electrification

❖ Targets

- As on 01.04.2020, out of 63,631 RKM (Including Konkan Railways) of BG routes, 39,866 RKM had been electrified, which was 62.65% of total BG network.
- Currently, Electrification works are in progress on balance 23,765 RKM sections and are planned for completion by December, 2023 as per following planning:

Financial Year	2020-21	2021-22	2022-23	2023-24	Total
Targets (RKM)	6,000*	6,000	6,500	5,265	0

* 1,158 RKM already electrified upto 30.09.2020

❖ Fund Requirements

- The total anticipated cost of ongoing projects is Rs.54,222 crore and expenditure upto Aug-20 is Rs. 30,678 crore. Year wise funds requirements to complete the works are as under:

Financial Year	2020-21 **	2021-22	022-23	2023-24	2024-25	Total
Fund Requirements	**1,247**	**7,573**	**5,822**	**3,282**	**2,285**	**20,209**

2. S&T Works

❖ Fund Requirements

Financial Year	2020-21 **	2021-22	022-23	2023-24	Total
Fund Requirements	**600**	**10949**	**9930**	**9831**	**31310**

**Additional fund requirement

S&T FUND REQUIREMENT ZONE WISE FOR 2021-24- PH-33

Rly	FY 21-22*			FY 22-23			FY 23-24		
Allocation	**Cap.**	**RRSK**	**Total**	**Cap.**	**RRSK**	**Total**	**Cap.**	**RRSK**	**Total**
CR	408	359	767	748	387	1135	748	433	1182
ECoR	427	180	607	433	214	647	347	239	586
ECR	156	381	538	156	85	241	156	84	240
ER	156	383	539	156	290	447	195	214	410
MR	0	19	19	0	18	18	0	24	24
NCR	355	629	984	223	435	658	312	352	664
NER	156	92	249	156	40	196	195	28	223
NFR	156	66	222	156	60	216	195	35	230
NR	156	1145	1301	156	620	776	195	230	425
NWR	189	130	320	283	100	383	213	51	264
SCR	383	482	865	395	253	648	565	339	904
SECR	469	107	575	518	17	536	519	13	532
SER	443	286	728	455	95	550	570	38	607
SR	307	289	596	312	170	482	375	139	514
SWR	160	99	259	160	78	238	202	93	295
WCR	229	220	449	362	78	440	392	48	440
WR	191	371	562	178	173	351	222	100	322
Sub Total (PH-33)	**4342**	**5237**	**9580**	**4849**	**3112**	**7961**	**5401**	**2460**	**7861**
PH-16 (160 Kmph)	**1469**		**1469**	**1469**		**1469**	**1470**		**1470**
PH-29 (I/L of LC)		**500**	**500**		**500**	**500**		**500**	**500**
Grand Total	**5811**	**5737**	**11549**	**6318**	**3612**	**9930**	**6871**	**2960**	**9831**

* Outlay proposed 2021-22 - Additional Fund Requirement of Rs 600 Cr for current year 2020-21 has also included in proposed Outl for 2021-22

Total Requirement of Funds for All Priority Projects *(NL, GC, DL, TFW, RE and S&T Works)*								
S.NO.	**Type of Projects**	**Funds Requirement** *(Cr.)*						
		Additional Funds Requirement in FY 20-21	**FY 21-22**	**FY 22-23**	**FY 23-24**	**FY 24-25**	**FY 25-26**	**Total**
1	**New Line, Gauge Conversion & Doubling**							
a	**Throughput Enhancement Projects**							
a.1	**Super Critical**	2070	3684	817	125	50	0	6746
a.2	**Critical**	4850	15275	12419	6486	1747	29	40807
a.3	**Additional Coal Projects**	1092	3297	2875	2297	1169	1	10731
a.4	**Additional Throughput Enhancement Projects on HDN/HUN Routes**	2533	9286	9380	7475	5007	2028	35710
1 a	**Total Funds Requirement of Throughput Enhancement Projects**	**10546**	**31542**	**25491**	**16383**	**7974**	**2058**	**93994**
1.b	**National Project**	1063	16066	16069	10660	7800	4403	56061
1.c	**Gauge Conversion**	1962	3601	2538	2041	1170	600	11912
	Total of NL+GC+DL Projects	**13571**	**51209**	**44099**	**29084**	**16944**	**7060**	**161967**
2	**Traffic Faclilites Works**							0
2.a	**Super Critical**	373	1205	1205	603			3386
2.b	**Critical**	56	799	799	400			2054
2.c	**Essential**	158	259	259	130			806
	Total Fund Requirement of Traffic Facilities Works	**587**	**2263**	**2263**	**1133**			**6246**
3	**Railway Electrification**	**1247**	**7573**	**5822**	**3282**	**2285**		**20209**
4	**S&T Works**	**600**	**10949**	**9930**	**9831**			**31310**
5	**Grand Total of Fund Requirement of Throughput Enhancement Projects, Traffic Facilities Works, RE & S&T Works**	**16005**	**71994**	**62114**	**43330**	**19229**	**7060**	**219732**