स्वच्छ भारत
एक कदम स्वच्छता की ओर

GENERAL MANAGER'S ANNUAL NARRATIVE REPORT 2023-24

For office use only

अशोक कुमार वर्मा
महाप्रबन्धक

ASHOK KUMAR VERMA
General Manager

सत्यमेव जयते

उत्तर रेलवे
बड़ौदा हाऊस, नई दिल्ली-110001

NORTHERN RAILWAY
BARODA HOUSE, NEW DELHI-110001
☎ : 011-23387227 & 23384548 (Off.)
011-23384503 (Fax)

सं० – 9-ST/GM' ANR/2023-24

दिनांक: 21.04.2025

सचिव / The Secretary,
रेल मंत्रालय / Railway Board,
रेल भवन / Rail Bhawan,
नई दिल्ली / New Delhi.

विषय: वर्ष 2023-24 की महाप्रबंधक की वार्षिक वर्णनात्मक रिपोर्ट।
Sub: General Manager's Annual Narrative Report 2023-24.

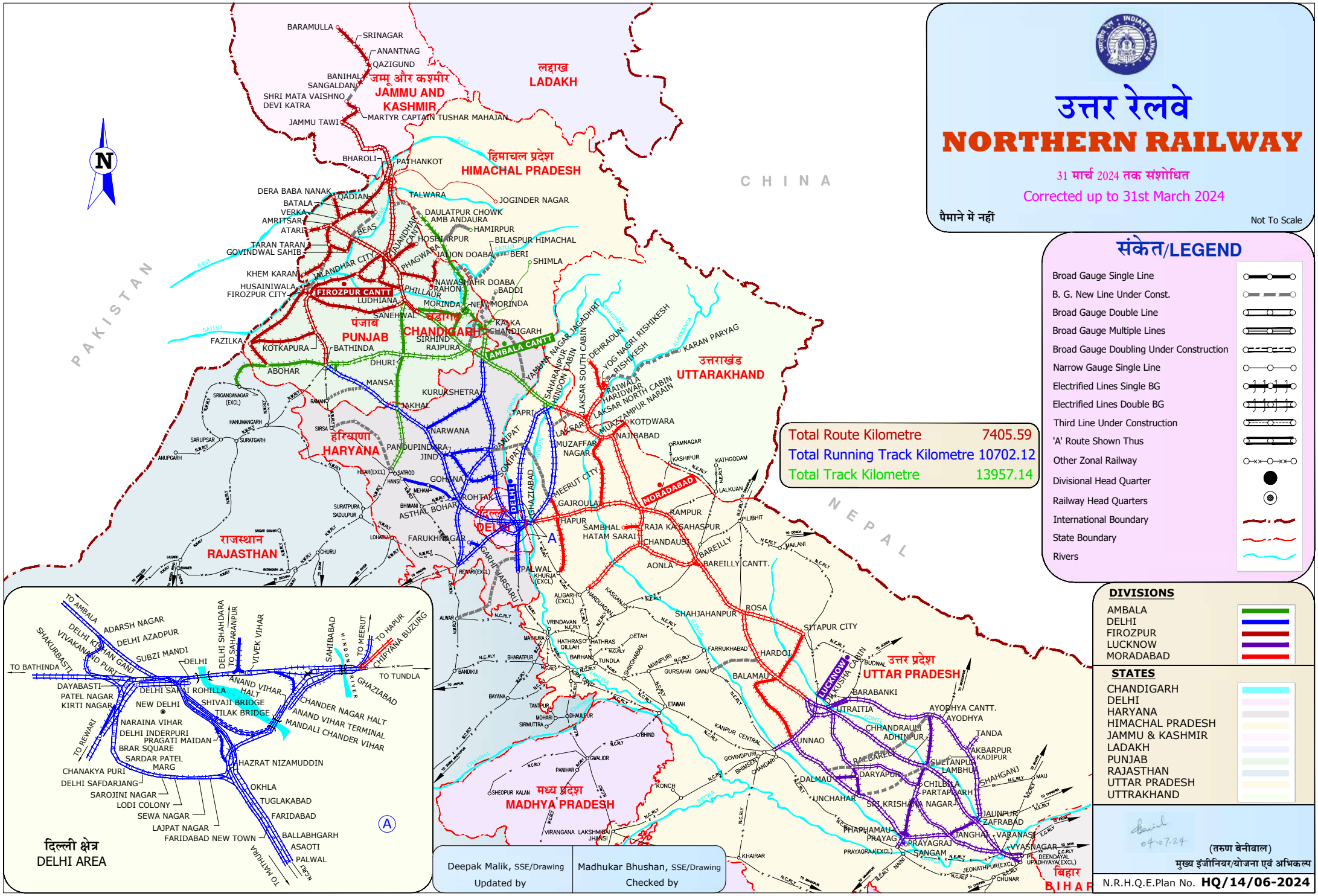
वित्तीय वर्ष 2023-24 में उत्तर रेलवे द्वारा किए गए कार्यों की वार्षिक वर्णनात्मक रिपोर्ट में इसके साथ अग्रेषित करता हूँ।

I forward herewith the Annual Narrative Report on the working of Northern Railway for the financial year 2023-24.

21/04/2025

(अशोक कुमार वर्मा)
(ASHOK KUMAR VERMA)

संलग्न: यथोक्त |
Encl.: As above.


उत्तर रेलवे
NORTHERN RAILWAY
31 मार्च 2024 तक संशोधित
Corrected up to 31st March 2024
पैमाने में नहीं
Not To Scale
संकेत/LEGEND
Broad Gauge Single Line
B. G. New Line Under Const.
Broad Gauge Double Line
Broad Gauge Multiple Lines
Broad Gauge Doubling Under Construction
Narrow Gauge Single Line
Electrified Lines Single BG
Electrified Lines Double BG
Third Line Under Construction
'A' Route Shown Thus
Other Zonal Railway
Divisional Head Quarter
Railway Head Quarters
International Boundary
State Boundary
Rivers
Total Route Kilometre 7405.59
Total Running Track Kilometre 10702.12
Total Track Kilometre 13957.14
DIVISIONS
AMBALA
DELHI
FIROZPUR
LUCKNOW
MORADABAD
STATES
CHANDIGARH
DELHI
HARYANA
HIMACHAL PRADESH
JAMMU & KASHMIR
LADAKH
PUNJAB
RAJASTHAN
UTTAR PRADESH
UTTRAKHAND
(तरुण बेनीवाल)
मुख्य इंजीनियर/योजना एवं अभिकल्प
N.R.H.Q.E.Plan No. HQ/14/06-2024
Deepak Malik, SSE/Drawing
Updated by
Madhukar Bhushan, SSE/Drawing
Checked by
दिल्ली क्षेत्र
DELHI AREA
PAKISTAN
CHINA
NEPAL
जम्मू और कश्मीर
JAMMU AND KASHMIR
लद्दाख
LADAKH
हिमाचल प्रदेश
HIMACHAL PRADESH
पंजाब
PUNJAB
चंडीगढ़
CHANDIGARH
हरियाणा
HARYANA
राजस्थान
RAJASTHAN
उत्तराखंड
UTTARAKHAND
उत्तर प्रदेश
UTTAR PRADESH
मध्य प्रदेश
MADHYA PRADESH
बिहार
BIHAR
BARAMULLA
SRINAGAR
ANANTNAG
QAZIGUND
BANIHAL
SANGALDAN
SHRI MATA VAISHNO DEVI KATRA
JAMMU TAWI
MARTYR CAPTAIN TUSHAR MAHAJAN
BHAROLI
PATHANKOT
DERA BABA NANAK
BATALA
VERKA
AMRITSAR
ATARI
TARAN TARAN
GOVINDWAL SAHIB
KHEM KARAN
HUSAINIWALA
FIROZPUR CITY
FAZILKA
KOTKAPURA
ABOHAR
SRIGANGANAGAR (EXCL)
HANUMANGARH
SARUPSAR
SURATGARH
ANUPGARH
BATHINDA
DHURI
MANSA
SANEHWAL
LUDHIANA
PHILLAUR
MORINDA
NEW MORINDA
KALKA
CHANDIGARH
SIRHIND
RAJPURA
AMBALA CANTT
KURUKSHETRA
JAKHAL
NARWANA
TAPRI
PANDUPINDARA
JIND
SONIPAT
GOHANA
ROHTAK
DELHI
GHAZIABAD
MEERUT CITY
GAJROULA
RAMPUR
MORADABAD
SAMBHAL
HATAM SARAI
RAJA KA SAHASPUR
CHANDAUSI
BAREILLY
BAREILLY CANTT.
AONLA
PILIBHIT
LALKUAN
KATHGODAM
RAMNAGAR
KASHIPUR
MUZAFFAR NAGAR
NAJIBABAD
KOTDWARA
LAKSAR
LAKSAR NORTH CABIN
LAKSAR SOUTH CABIN
HARIDWAR
RISHIKESH
DEHRADUN
YOG NAGRI RISHIKESH
KARAN PARYAG
RAIWALA
JAGADHRI
JAMUNA NAGAR
SAHARANPUR
HINDON CABIN
TALWARA
JOGINDER NAGAR
DAULATPUR CHOWK
AMB ANDAURA
HAMIRPUR
HOSHIARPUR
BILASPUR HIMACHAL
JALJON DOABA
BERI
SHIMLA
NAWASHAHR DOABA
RAHON
BADDI
PHAGWARA
JALANDHAR CITY
JALANDHAR CANTT
BEAS
SATLUJ
RAVI
YAMUNA
GANGA
RAMGANGA
SARDA
GOMTI
GHAGHARA
LAMAKHERA
SHAHJAHANPUR
ROSA
SITAPUR CITY
HARDOI
FARRUKHABAD
BALAMAU
LUCKNOW
DIVISION
LUCKNOW CABIN
BARABANKI
UTRAITIA
AYODHYA CANTT.
AYODHYA
CHHANDRAULI ADHINPUR
TANDA
AKBARPUR KADIPUR
RAEBARELI
SULTANPUR LAMBHUA
DARYAPUR
CHILBILA
PARTAPGARH
SHAHGANJ
SRI KRISHNA NAGAR
JAUNPUR ZAFRABAD
BHARHAMAU
PRAYAG
PRAYAGRAJ
PRAYAGRAJ(EXCL)
SANGAM
JANGHAI
VARANASI
VYASNAGAR
PT. DEENDAYAL UPADHYAYA(EXCL)
JEONATHPUR(EXCL)
CHUNAR
KHAIRAR
UNCHAHAR
KONCH
DALMAU
ETAWAH
KANPUR CENTRAL
GOVINDPURI
BHIMSEN
CHANDARI
UNNAO
GURSAHAI GANJ
MANIPURI
TUNDLA
BARHNAL
HATHRAS GILLAH
HATHRAS
ETAH
SHIKOHABAD
MATHURA
VRINDAVAN
ALIGARH (EXCL)
KHURJA (EXCL)
PALWAL
FARUKHNAGAR
REWARI(EXCL)
ALWAR
BHARATPUR
BANDIKUI
BAYANA
TANPUR
MOHARI
DHAULPUR
SIRMUTTRA
BHIND
GWALIOR
PANIHAR
SHEOPUR KALAN
VIRANGANA LAKSHMIBAI JHANSI
HISAR(EXCL)
SATROD
HANSI
MEHAM
BHIWANI
ASTHAL BOHAR
SURATPURA
SADULPUR
LOHARU
CHURU
SARDAR SHAHR
RATANGARH JN.
UDAIPUR
JODHPUR
BIKANER
TO DELHI
TO BIKANER
TO ODISHA
TO GONDA
TO MAU
TO GHAZIPUR
TO MAHARAJGANJ
TO MATHURA
TO AMBALA
ADARSH NAGAR
DELHI AZADPUR
SUBZI MANDI
DELHI KISHAN GANJ
VIVAKANAND PURI
SHAKURBASTI
TO BATHINDA
DAYABASTI
PATEL NAGAR
KIRTI NAGAR
NEW DELHI
DELHI SARAI ROHILLA
DELHI SHAHDARA
TO SAHARANPUR
VIVEK VIHAR
ANAND VIHAR HALT
ANAND VIHAR
SHIVAJI BRIDGE
TILAK BRIDGE
SAHIBABAD
HINDON RIVER
TO MEERUT
TO HAPUR
CHIPYANA BUZURG
GHAZIABAD
TO TUNDLA
CHANDER NAGAR HALT
ANAND VIHAR TERMINAL
MANDALI CHANDER VIHAR
TO REWARI
NARAINA VIHAR
DELHI INDERPURI
PRAGATI MAIDAN
BRAR SQUARE
SARDAR PATEL MARG
CHANAKYA PURI
DELHI SAFDARJANG
SAROJINI NAGAR
LODI COLONY
SEWA NAGAR
LAJPAT NAGAR
FARIDABAD NEW TOWN
HAZRAT NIZAMUDDIN
OKHLA
TUGLAKABAD
FARIDABAD
BALLABHGARH
ASAOTI
PALWAL
TO MATHURA
A

उत्तर रेलवे

मुख्य विशेषताएं

मार्ग किलोमीटर	बड़ी लाइन(1676 एम एम)	7144.74
	छोटी लाइन (762 एम एम)	260.85
	कुल	**7405.59**
विद्युतिकृत मार्ग किलोमीटर	7076.74 कि.मी.	
रेलपथ किलोमीटर दूरी	बड़ी लाइन(1676 एम एम)	10441.26
	छोटी लाइन(762 एम एम)	260.85
	कुल	**10702.11**
सेवित राज्य एवं केंद्र शासित प्रदेश	07/03 (हिमाचल प्रदेश, पंजाब, हरियाणा, दिल्ली, उत्तर प्रदेश,राजस्थान और उत्तराखंड एवं केंद्र शासित प्रदेश चंडीगढ़, जम्मू एवं कश्मीर और लद्दाख)	
मंडलों की संख्या	5 (दिल्ली, फिरोजपुर, लखनऊ, मुरादाबाद एवं अंबाला)	
स्टेशन की संख्या	795	
यांत्रिक कारखाने	5 (जगाधरी, आलमबाग, चारबाग, कालका एवं अमृतसर)	
डीजल लोको शेड	4 बड़ी लाइन(तुगलकाबाद, लुधियाना, आलमबाग एवं शकूरबस्ती) 2 छोटी लाइन(कालका एवं पठानकोट)	
विधुत लोको शेड	2 (गाजियाबाद एवं लुधियाना)	
कर्मचारियों की संख्या	138676	
राजपत्रित अधिकारियों की संख्या	1649	
इंजनो की संख्या	विद्युत-1153 डीजल- 894	
सवारी डिब्बों की संख्या	10224	
2023-24 में वैगन होल्डिंग	276345	
2023-24 में प्रारंभिक यात्रियों की संख्या	41.31 करोड़	
2023-24 में राजस्व लदान	53.58 मीट्रिक टन	
2023-24 में सकल आय	रु० 21538.02 करोड़	
2023-24 में सामान्य कार्यगत खर्चे	रु० 29018.60 करोड़	
संचालन अनुपात	134.73%	

NORTHERN RAILWAY

SALIENT FEATURES

ROUTE KMs	BROAD GAUGE (1676 MM)	7144.74
	NARROW GAUGE (762 MM)	260.85
	Total	**7405.59**
ELECTRIFIED ROUTE KMs	7076.74 Kms	
RUNNING TRACK KMS	BROAD GAUGE (1676MM)	10441.26
	NARROW GAUGE 762 MM)	260.85
	Total	**10702.11**
STATES/UNION TERRITORIES COVERED	07/03 (Himachal Pradesh, Punjab, Haryana, Delhi, Uttar Pradesh, Rajasthan, Uttarakhand & U.T. of Chandigarh, J&K and Ladhakh)	
NO. OF DIVISIONS	5 (DLI, FZR, LKO, MB, UMB)	
NO. OF STATIONS	795	
MECHANICAL WORKSHOPS	5 (Jagadhari, Alambagh, Charbagh, Kalka and Amritsar)	
DIESEL LOCOSHEDS	4 BG (Tughlakabad, Ludhiana, Alambagh and Shakurbasti) 2 NG (Kalka and Pathankot)	
ELECTRIC LOCOSHEDS	2 (Ghaziabad, Ludhiana)	
NO. OF STAFF	138676	
NO. OF GAZETTED OFFICERS	1649	
NUMBER OF LOCOMOTIVES	Elect. – 1153 Diesel – 894	
NUMBER OF PASSENGER COACHES	10224	
WAGON HOLDING IN 2023-24	276345	
NO. OF ORIGINATING PASSENGERS	41.31 Cr.	
REVENUE LOADING 2023-24	53.58 MT	
GROSS EARNING IN 2023-24	21538.02 Cr.	
TOTAL WORKING EXPENDITURE IN 2023-2024	29018.60 Cr.	
OPERATING RATIO	134.73 %	

NORTHERN RAILWAY

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सामान्य

GENERAL

General Manager's Annual Narrative Report 2023-24

महाप्रबंधक की वार्षिक वर्णनात्मक रिपोर्ट 2023-24

उत्तर रेलवे की उपलब्धियां

1. उत्तर रेलवे सबसे बड़ी क्षेत्रीय रेलवे है और यह पंजाब, हरियाणा, दिल्ली, हिमाचल प्रदेश, उत्तर प्रदेश के कुछ क्षेत्रों, राजस्थान, उत्तराखंड राज्यों और चंडीगढ़, जम्मू और कश्मीर तथा लद्दाख के केंद्र शासित प्रदेशों में रहने वाली विशाल जनसंख्या को सेवा प्रदान करती है। इस जोन की गाड़ियां प्रतिदिन क्षेत्र से लोगों, अनाज और माल को देश भर में ले जाती हैं। यह भारतीय सशस्त्र बलों को भी उत्तर की दोनों अंतरराष्ट्रीय सीमाओं पर तैनात सैनिकों की देखभाल एवं व्यवस्था करने में मदद करती है।

2. भारतीय रेलवे को "राष्ट्र की जीवनरेखा" ठीक ही कहा जाता है और यह कनेक्टिविटी, आर्थिक विकास, सामाजिक एकता और बुनियादी ढांचे के विकास को बढ़ावा देकर देश के सामाजिक-आर्थिक परिदृश्य को आकार देने में महत्वपूर्ण घटक रही है। विस्तृत रेलवे नेटवर्क राष्ट्र निर्माण प्रक्रिया में महत्वपूर्ण भूमिका निभाता है। उत्तर रेलवे सहित क्षेत्रीय रेलें जिन क्षेत्रों को सेवा प्रदान करती हैं, उनकी प्रगति में योगदान किया है।

3. "रेल बढ़े, देश बढ़े" के विज़न (सोच) के साथ, उत्तर रेलवे अपने बुनियादी ढांचे को आधुनिक बनाने, डिजिटल प्रौद्योगिकियों को अपनाने, यात्री सुविधाओं में सुधार करने, माल और यात्री ट्रेन संचालन को इष्टतम करने पर सक्रिय रूप से काम कर रही है। यह हमारा प्रयास है कि हम उत्तर भारत के राज्यों से आने-जाने वाले रेल यात्रियों को सर्वोत्तम सेवाएं प्रदान करें।

4. "नए भारत के नए स्टेशन" के सरकार के विज़न (सोच) को लागू करने के लिए, उत्तर रेलवे वर्तमान में गाज़ियाबाद, दिल्ली कैंट, फरीदाबाद, चंडीगढ़, लुधियाना जंक्शन, लखनऊ चारबाग, जालंधर कैंट, जम्मू तवी और दिल्ली सफदरजंग स्टेशन का बड़े पैमाने पर उन्नयन कार्य कर रही है। विश्वस्तरीय सुविधाओं के साथ अयोध्या में नई स्टेशन बिल्डिंग लगभग पूरी हो चुकी है। माननीय प्रधानमंत्री ने 6 अगस्त 2023 को अमृत भारत स्टेशन योजना को लॉन्च किया। उन्होंने अखिल भारतीय स्तर पर 508 स्टेशनों के पुनर्विकास की आधारशिला रखी, जिसमें उत्तर रेलवे के 71 स्टेशन शामिल हैं। ये स्टेशन सुविधापूर्ण, स्वच्छ, हरित, आधुनिक सुविधाओं से लैस और आसान पहुंच वाले होंगे। स्टेशनों पर व्यापार केंद्रों और वाणिज्यिक हब का विकास भी किया जाएगा।

5. कारीगरों और शिल्पकारों के जीवन को रेलवे बदल रही है, "वोकल फॉर लोकल" योजना के तहत स्थानीय/देशी/विशिष्ट उत्पादों के व्यापार और प्रचार के लिए एक मंच प्रदान करके "वन स्टेशन वन प्रोडक्ट" पहल के तहत सभी प्रमुख स्टेशनों पर बिक्री स्टाल उपलब्ध कराए गए हैं। उत्तर रेलवे पर 6 राज्यों और 2 केंद्र शासित प्रदेशों में 130 स्टेशनों पर ओएसओपी स्टाल कार्यशील हैं। यहां बेचे जाने वाले उत्पाद क्षेत्र विशेष के होते हैं और ये यात्रियों को भारत की समृद्ध संस्कृति का अनुभव करने का अवसर प्रदान करते हैं।

6. नीति लागू होने के बाद से उत्तर रेलवे से भारत गौरव ट्रेनों के 47 ट्रिप संचालित किए गए हैं। ये थीम-आधारित गाड़ियां पूरी और निर्बाध यात्रा के पैकेज प्रदान करती हैं। गरवी गुजरात, बौद्ध सर्किट, नॉर्थ ईस्ट डिस्कवरी, नेपाल आस्था यात्रा, रामायण यात्रा, गुरु कृपा यात्रा और बाबा साहेब आंबेडकर यात्रा कुछ ट्रेनें हैं जो साल की शुरुआत से संचालित की गई हैं।

7. उत्तर रेलवे ने दुर्गा पूजा, दीवाली और छठ त्योहारों के दौरान विशेष व्यवस्थाएं कीं। 266 त्योहार विशेष ट्रेनों की योजना बनाई गई, जबकि 121 ट्रेनों को तत्कालिक नोटिस पर चलाया गया। 510 ट्रेनों का अस्थायी रूप से संवर्धन किया गया, जिससे अतिरिक्त सीटें जनरेट हुईं। छठ के समय दिल्ली/एनसीआर क्षेत्र के प्रमुख स्टेशनों पर विभिन्न भीड़भाड़ प्रबंधन गतिविधियाँ भी की गईं। 'मेरी माटी मेरा देश' अभियान के तहत 14 अमृत कलश यात्रा ट्रेनों का संचालन किया गया, जिसमें 10,510 स्वयंसेवकों को समायोजित किया गया।

8. वित्तीय वर्ष 2022-23 में 8,897 लोडिंग की तुलना में वर्ष 2023-24 में 37,707 वैगन पीस मिल लोड किए गए जिससे 324% की वृद्धि दर्ज की गई।

9. 68 किमी रोहतक-मेहम-हांसी नई रेल लाइन को 29.09.2023 को रेलवे सुरक्षा आयुक्त द्वारा निरीक्षण के बाद यात्री और माल यातायात के संचालन हेतु संचालन की अनुमति प्राप्त हुई।

10. वित्तीय वर्ष 2023-24 के लिए रेलवे टिकट किराए के रूप में कुल 61,736.71 करोड़ रुपए IRCTC वेबसाइट और मोबाइल ऐप के माध्यम से एकत्र किए गए।

11. वित्तीय वर्ष 2023-24 में स्टेटिक इकाइयों से 44.11 करोड़ रुपए लाइसेंस शुल्क प्राप्त हुआ और IRCTC से प्रमुख स्टेटिक इकाइयों का रेलवे के हिस्से के रूप में 4.48 करोड़ रुपए प्राप्त हुए। साथ ही आईआरसीटीसी से ई-केटरिंग के रेलवे के हिस्से के 1.38 करोड़ रुपए प्राप्त हुए।

12. वित्तीय वर्ष 2023-24 के दौरान रेलवे भूमि की लाइसेंसिंग से वास्तविक आय 503 करोड़ रुपए के लक्ष्य की तुलना में 790.62 करोड़ रुपए रही।

13. व्यापक ऑडिट और आंतरिक जांच के माध्यम से वित्तीय प्रबंधन में सुधार से महत्वपूर्ण वित्तीय बचत और परिचालन क्षमता में वृद्धि हुई है। वित्त की आंतरिक जांच और निपटान बिलों की जांच के द्वारा लगभग 263 करोड़ रुपए की कुल बचत की गई। गहन ऑडिट और आंतरिक जांच ने न केवल व्यापक वित्तीय बचत की है, बल्कि संगठन के भीतर राजकोषीय उत्तरदायित्व की संस्कृति को भी सुदृढ़ किया है।

14. प्रभावी स्क्रैप निपटान प्रक्रियाओं के कारण महत्वपूर्ण लागत बचत और संसाधन दक्षता में सुधार हुआ है। स्क्रैप सामग्री की बिक्री से वर्ष के दौरान 59 करोड़ रुपए की अतिरिक्त आय प्राप्त हुई, जिससे कुल राजस्व में योगदान हुआ।

15. निरंतर निगरानी और संबंधित अधिकारियों के साथ बैठकों ने लंबित बकाया राशि की वसूली में अच्छे परिणाम आए हैं। 670.06 करोड़ रुपए की बढ़ोतरी के मुकाबले चालू वर्ष अर्थात् 2023-24 के दौरान 1090.07 करोड़ रुपए की क्लीयरेंस की गई, जिससे मार्च 2024 के अंत तक क्लोज़िंग बैलेंस में 758.57 करोड़ रुपए की महत्वपूर्ण कमी आई।

16. मैनुअल बैलेंस शीट्स को ऑनलाइन ट्रैफिक अकाउंट्स मैनेजमेंट सिस्टम (TAMS) के तहत लाया गया, जिससे आय के लेखांकन में अधिक पारदर्शिता आई।

17. 30.12.2023 को, भारत के माननीय प्रधानमंत्री श्री नरेंद्र मोदी जी ने अयोध्या से दरभंगा के बीच पहली अमृत भारत ट्रेन संख्या 05558 का उद्घाटन किया, जिसमें ELS/GZB शेड बेस्ड WAP-5 लोको संख्या 35029 और 35030 की पुश-पुल तकनीक का उपयोग किया गया।

18. वित्तीय वर्ष 2023-2024 में, 41 जोड़ी गाड़ियों को डीजल से विद्युत ट्रैक्शन में परिवर्तित किया गया और इसके परिणामस्वरूप एचएसडी तेल की बचत के कारण प्रति वर्ष लगभग 117.6 करोड़ रुपए की बचत हो सकती है।

19. वित्तीय वर्ष 2023-2024 में 3-फेज़ इलेक्ट्रिक लोको में रीजनरेटिव ब्रेकिंग का उपयोग करके लगभग 147.89 करोड़ रुपए की ऊर्जा रीजनरेट प्राप्त की गई है।

20. इस वर्ष के दौरान, इलेक्ट्रिक लोको शेड्स ने रेलवे बोर्ड के 693.2 के लक्ष्य के मुकाबले 705.2 का गुड्स आउटेज प्राप्त किया, जो रेलवे बोर्ड के लक्ष्य से 1.73% अधिक है।

21. उत्तर रेलवे में मिशन 100% विद्युतीकरण के तहत विद्युतीकरण का काम तेजी से चल रहा है। वित्तीय वर्ष 2023-24 के दौरान लगभग 494 आरकेएम और 1055 टीकेएम विद्युतीकरण किया गया। इसके साथ, उत्तर रेलवे के लगभग 99.6% (7077 आरकेएम) मार्ग किलोमीटर का विद्युतीकरण हो चुका है। फिरोजपुर, लखनऊ, मुरादाबाद और अंबाला मंडल के मौजूदा सभी मार्ग किलोमीटर का 100% विद्युतीकरण हो चुका है और दिल्ली मंडल के मौजूदा 96% मार्ग किलोमीटर का 100% विद्युतीकरण हो चुका है।

22. दिल्ली मंडल में 01 स्थान (990 KWp), लखनऊ मंडल में 01 स्थान (100 KWp) और मुरादाबाद मंडल में 01 स्थान (70 KWp) पर 1160 KWp ग्रिड कनेक्टेड सौर ऊर्जा संयंत्र स्थापित किए गए हैं। इन संयंत्रों से कुल 16.93 लाख यूनिट वार्षिक उत्पादन की उम्मीद है, जिससे 1.35 करोड़ रुपए की बचत होगी और प्रति वर्ष 1388.75 टन CO2 उत्सर्जन में कमी आएगी।

23. उत्तर रेलवे, हरियाणा, दिल्ली, उत्तर प्रदेश और पंजाब राज्यों में खुले बाजार से सीधे जनरेटरों से सस्ती ट्रैक्शन पावर ले रहा है। इसके साथ ही उत्तर रेलवे की कुल पावर आवश्यकता का 96% हिस्सा ओपन एक्सेस के तहत आ गया है। उत्तर प्रदेश, हरियाणा, दिल्ली और पंजाब राज्यों के लिए उत्तर रेलवे द्वारा ओपन एक्सेस के माध्यम से ट्रैक्शन ऊर्जा बिल पर वित्तीय वर्ष 2023-24 में लगभग 356 करोड़ रुपए की बचत हुई है।

24. कालका वर्कशॉप ने "NORTHERN RAILWAY KALKA WORKSHOP" का एक लोगो तैयार किया। इसका पैटर्न फाउंड्री पैटर्न शॉप द्वारा बनाया गया और कास्टिंग नॉन-फेरस फाउंड्री शॉप द्वारा की गई। इससे लोगों के विकास से कालका वर्कशॉप द्वारा निर्मित उत्पादों को एक नई पहचान मिली है।

25. कालका वर्कशॉप ने कंप्रेस्ड एयर सप्लाई का विकेन्द्रीकरण किया है। इस ऑप्टिमाइज्ड सिस्टम से एयर लीक, प्रेशर ड्रॉप्स और कंप्रेसर की अप्रभावकता से जुड़ी मरम्मत लागत को कम होने की उम्मीद है; वायु दबाव पर बेहतर नियंत्रण के कारण रिवेटिंग प्रक्रिया की गुणवत्ता में महत्वपूर्ण सुधार हुआ है, जो स्थायी फास्टनिंग की एक महत्वपूर्ण विधि है और इसके

परिणामस्वरूप ऊर्जा की व्यापक बचत हुई है, अधिक संधारणीय तथा लागत प्रभावी संचालन में सफलता मिली है इलेक्ट्रिकल ऊर्जा की प्रतिदिन 233.13 Kwh, मासिक 5691.12 kwh और वार्षिक 68294 kwh शुद्ध बचत है।

26.13 से 15 सितंबर 2023 तक एचआईसीसी हैदराबाद में आयोजित 24वें राष्ट्रीय ऊर्जा प्रबंधन पुरस्कार समारोह में कालका वर्कशॉप को सीआईआई द्वारा "एनर्जी एफिशिएंट यूनिट अवार्ड" प्राप्त हुआ। यह पुरस्कार वर्कशॉप को पिछले तीन वर्षों में अपनी कुल SEC में 17% की कमी, Scope 182 GHG उत्सर्जन में 25% की कमी और नवीकरणीय ऊर्जा के 27% प्रतिस्थापन के लिए प्रदान किया गया है।

27. माननीय रेलवे मंत्री ने 01.10.2023 को दिल्ली कैंट रेलवे स्टेशन पर "14 मिनट चमत्कार योजना" की शुरुआत की, जिसका उद्देश्य वंदे भारत ट्रेनों के टर्न-अराउंड समय को कम करना है। 14 मिनट चमत्कार योजना के तहत, जैसे ही यात्री ट्रेन से उतरते हैं, प्रत्येक कोच में 03 सफाई कर्मचारी ट्रेन पर चढ़ जाते हैं और 14 मिनट की कड़ी समय सीमा में सफाई प्रक्रिया शुरू करते हैं, जिसमें यात्रियों द्वारा छोड़ा गया कचरा नष्ट करना, सीटों, स्नैक टेबल और पेंट्री को तरल स्प्रे और वाइप्स से साफ करना शामिल है। फर्श को वाईपर्स पर सफाई वाले कपड़ों और पानी से साफ किया जाता है।

28. वित्तीय वर्ष 2023-24 में नियमित और विशेष LHB गाड़ियां HOG योजना पर 79.85% समय तक चलायी गईं। इसके परिणामस्वरूप अप्रैल 2023 से मार्च 2024 तक लगभग 2.58 करोड़ लीटर (लगभग 234.6 करोड़ रुपए) HSD तेल की बचत हुई और 69249 टन कार्बन क्रेडिट भी अर्जित हुए।

29. 08.05.23 को कोचिंग कॉम्प्लेक्स, SSB में एक 'ऑटोमेटिक कोच वाशिंग प्लांट (ACWP)' शुरू किया गया। बाहरी सफाई प्रक्रियाओं के ऑटोमेशन के अलावा, बहुमूल्य पानी और राजस्व, जो कोचों की अनुबंधित बाहरी धुलाई पर खर्च हो रहा था, की बचत हुई।

30. बॉडी सेक्शन/वैगन शॉप (JUDW) के सुपरवाइज़र्स और कर्मचारियों ने SS स्क्रैप के प्रभावी उपयोग करने के लिए एक पहल की। स्क्रैप किए गए SS शीट्स को फेब्रीकेशन के उद्देश्यों के लिए री-प्रोसेस किया गया, जबकि SS वैगनों का निरंतर अनुरक्षण सुनिश्चित किया गया। मार्च

2024 में 2.75 टन SS स्क्रैप (कुल नई शीट्स का लगभग 20%) का पुनः उपयोग किया गया। इस प्रयास से वैगन रिपेयर शॉप ने न केवल कचरे को कम किया बल्कि मार्च 2024 में लगभग 4.5 लाख रुपए की लागत बचत भी की। इसने सतत प्रथाओं और संसाधन प्रबंधन को अपनाने को प्रोत्साहित किया है।

31. 19.01.2024 को DEC से GHH तक तीन कोचों के साथ 7000 WP (अशोक) इंजन/रेवाड़ी शेड का स्टीम रन परीक्षण सफलतापूर्वक किया गया और 20.01.24 को 22 पर्यटकों के एक समूह ने DEC से RE तक यात्रा की।

32. वित्तीय वर्ष 2023-24 के लिए कर्मचारी हित निधि के तहत उत्तर रेलवे को 13.08 करोड़ रुपए आबंटित किए गए और इस राशि का उपयोग शिक्षा, मनोरंजन, संस्कृति, महिला सशक्तिकरण, आयुर्वेद, होम्योपैथी, संस्थान और क्लब सुविधाएं, खेल, स्काउट्स और गाइड्स, संकट में राहत आदि जैसी गतिविधियों में लाभकारी रूप से किया गया।

33. माननीय प्रधानमंत्री के 'मिशन कर्मयोगी' के तहत, उत्तर रेलवे के एक लाख से अधिक अधिकारियों और कर्मचारियों को शामिल किया गया है, जो भारतीय रेलवे में सबसे अधिक है।

34. केंद्रीय योजना प्रकोष्ठ ने वर्ष 2023-24 के दौरान उत्कृष्ट प्रदर्शन का परिचय दिया है। इस अवधि में कुल 22 कार्य अध्ययन किए गए और विभिन्न श्रेणियों के कर्मचारियों के 1381 पदों को सरेंडर किया गया, जिससे 63.16 करोड़ रुपए की आर्थिक बचत हुई।

35. उत्तर रेलवे के चिकित्सा विभाग ने सभी रेलवे लाभार्थियों और गाड़ियों में यात्रा करने वाले यात्रियों को उपचारात्मक, निवारक और प्रेरक स्वास्थ्य देखभाल प्रदान की है। मलेरिया, डेंगू, चिकनगुनिया आदि जैसी वेक्टर जनित रोगों के नियंत्रण के लिए दिल्ली नगर निगम के सहयोग से कार्यक्रम चलाए गए।

36. मुरादाबाद मंडल अस्पताल में आर्थोपेडिक सर्जरी की शुरुआत की गई है। सभी मंडलों के अस्पतालों को नवीनतम डायग्नोस्टिक और उपचारात्मक मशीनों से अपग्रेड किया जा रहा है, जिसमें एक्स-रे, अल्ट्रासाउंड, लेप्रोस्कोपिक और एंडोस्कोपिक मशीनें शामिल हैं। कर्मचारियों के लाभ के लिए समय-समय पर चिकित्सा शिविर और प्रशिक्षण सत्र आयोजित किए गए।

37. तीन और स्टेशनों, शिमला, लुधियाना और मेरठ सिटी, को FSSAI द्वारा 'ईट राइट स्टेशन' के रूप में प्रमाणित किया गया है।

38. यात्रियों और रेलवे संपत्तियों की सुरक्षा सर्वोत्तम प्राथमिकता है। रेलवे सुरक्षा बल ने अपनी जान की परवाह किए बिना 12 व्यक्तियों की जान बचाई। 'ऑपरेशन नन्हे फरिश्ते' के तहत 311 बच्चों को बचाया गया और उन्हें उनके माता-पिता/NGO को सौंपा गया।

39. रेलवे संपत्ति की चोरी में संलिप्त 732 अपराधियों, रेलवे अधिनियमों के तहत 17,495 अपराधियों और यात्रियों के खिलाफ अपराधों में संलिप्त 172 व्यक्तियों को गिरफ्तार कर GRP को आगे की कानूनी कार्रवाई के लिए सौंपा गया। 'ऑपरेशन अमानत' के तहत छूट गया सामान वैध यात्रियों को सौंप दिया गया। सतर्क ड्यूटी पर तैनात RPF कर्मियों द्वारा प्रतिबंधित सामान, अवैध वस्तुएं और शराब की वसूली की गई।

40. जगाधरी वर्कशॉप ने 03 नवंबर 2023 को एक अंतर-मंडलीय सांस्कृतिक प्रतियोगिता 2023 का आयोजन किया। उत्तर रेलवे के सभी पांच मंडलों और कारखानों की टीमों ने इस सांस्कृतिक प्रतियोगिता में भाग लिया। जगाधरी वर्कशॉप, फिरोजपुर मंडल और लखनऊ मंडल ने क्रमशः पहला, दूसरा और तीसरा पुरस्कार जीता।

41. उत्तर रेलवे ने करनैल सिंह स्टेडियम, नई दिल्ली में अखिल भारतीय रेलवे बास्केटबॉल पुरुष, बास्केटबॉल महिला, साइकिलिंग ट्रैक चैम्पियनशिप 2023-24 का सफल आयोजन किया और बास्केटबॉल पुरुष ने पहला और साइकिलिंग ने तीसरा स्थान प्राप्त किया।

42. उत्तर रेलवे के खिलाड़ियों ने एक बार फिर से हांग्जोउ, चीन में आयोजित 19वें एशियाई खेलों में अपने शानदार प्रदर्शन के साथ हमें गौरवान्वित कराया। शूटर, पहलवान, कबड्डी पुरुष टीम, क्रिकेट पुरुष टीम, हॉकी पुरुष और महिला टीम ने कुल 4 स्वर्ण और 2 कांस्य पदक जीते।

HIGHLIGHTS 2023-24

1. Northern Railway is the largest Zonal Railway and serves a huge population residing in the state of Punjab, Haryana, Delhi, Himachal Pradesh, parts of Uttar Pradesh, Rajasthan, Uttarakhand and Union Territories of Chandigarh, Jammu & Kashmir and Ladakh. The trains from the zone ferry people, food grains and goods each day from the region across the country. It also supports the Indian Armed Forces in maintaining their troops stationed at the two international borders in the North.
2. Indian Railway aptly called the "Lifeline of the Nation" has been a critical component in shaping the socio-economic landscape of the country by fostering connectivity, economic development, social integration and infrastructure growth. The extensive railway network continues to play a pivotal role in the process of nation-building. The Zonal Railways including Northern Railway have contributed to the progress of the regions that they serve.
3. With the vision "Rail Badhe Desh Badhe", Northern Railways has been actively working on modernizing its infrastructure, adopting digital technologies, improving passenger amenities and optimizing freight and passenger train operations. It has been our endeavour to provide the best services to the rail users traveling to and from the Northern states of India.
4. To translate the Government's vision for 'Naye Bharat Ke Naye Stations', NR is presently carrying out major upgradation work of Ghaziabad, Delhi Cantt., Faridabad, Chandigarh, Ludhiana Jn., Lucknow Charbagh, Jalandhar Cantt., Jammu Tawi and Delhi Safdarjung station. The new station building at Ayodhya with world class amenities is almost complete. The Amrit Bharat Station Scheme was launched by Hon'ble Prime Minister on 6th August 2023. He also laid the foundation stone for redevelopment of 508 stations pan India which includes 71 stations in NR. The stations are set to become sustainable, clean, green with modern facilities and easy accessibility. Business centers and commercial hubs will also be developed at the stations.
5. Railway is changing the lives of the artisans and craftsman by providing a platform for trade and promotion of local/indigenous/signature products under the 'Vocal for Local' scheme by providing a sales stall at all prominent stations as "One Station One Product" initiative. On 130 stations over NR in 06 states and 2 UTs, OSOP stalls are functional. The products sold here are specific to the region and they provide an opportunity to the travelling passengers to savour the rich culture of India.
6. 47 trip of Bharat Gaurav trains have been operated from NR since the implementation ofthe policy. These theme-based trains provide complete and hassle-free tour packages. Garvi Gujarat, Buddhist Circuit, North East Discovery, Nepal Astha Yatra, Ramayana Yatra, Guru Kripa Yatra and Baba Saheb Ambedkar Yatra are some of the trains operated from the beginning of the year.

7. NR made special arrangement during the Durga Puja- Diwali-Chhath Festivals. 266 festival specials were planned, while 121 trains were run on short notice. Temporary augmentation of 510 trains was done, generating extra seats. Various crowd management's activities were also undertaken at major stations of Delhi/NCR area during the Chhath period. Under the 'Meri Mati Mera Desh' Campaign, 14 Amrit Kalash Yatra Trains were operated, accommodating 10,510 volunteers.
8. During the financial year 2023-24, 37707 wagons piecemeal loading was done as against 8897 loading during the year 2022-23 registering an improvement of 324%.
9. The 68 Km Rohtak-Meham-Hansi new rail line has been given authorization for operation of passenger & goods traffic after inspection by the Commissioner of Railway Safety on 29.09.2023.
10. A total amount of Rs. 61,736.71 Crores was collected as Railway Ticket Fare through IRCTC Website and Mobile App for e-ticketing for the Financial Year 2023-24.
11. In financial year 2023-24 Rs. 44.11 Crores license fee has been received from static units and Rs. 4.48 Crores as Railway share of Major static units from IRCTC. Rs.1.38 Crores. Railway share of E-catering has also been received from IRCTC.
12. Actual earning from licensing of Railway Land during the financial year 2023-24 is Rs. 790.62 Crores against the target of 503 Crores.
13. Improving financial management through comprehensive audits and internal scrutiny has led to significant financial savings and increased operational efficiency. Total Savings of approximately Rs.263 Crores was achieved through internal check of Finance and scrutiny of settlement bills. Rigorous auditing and internal scrutiny has not only achieved substantial financial savings but has also reinforced a culture of fiscal responsibility within the organization.
14. Effective scrap disposal practices led to significant cost savings and improved resource efficiency. The sale of scrap materials generated additional income to the tune of Rs.59 crores during the year, contributing to overall revenue.
15. Continuous monitoring and meetings with concerned officials have yielded good results in realization of outstanding dues. Against an accretion of Rs 670.06 crores, a clearance of Rs.1090.07 crores has been achieved in the current year i.e. 2023-24 leading to a substantial reduction in closing balance of Rs 758.57 crores to end of March, 2024.
16. Manual Balance sheets have been brought in the ambit of online Traffic Accounts Management System (TAMS), bringing in more transparency in the accountal of earnings.
17. On 30.12.2023, Hon'ble Prime Minister of India, Shri Narendra Modi ji, inaugurated the 1st Amrit Bharat train No 05558 between Ayodhya to Darbhanga with Push-Pull technology of ELS/GZB shed based WAP-5 loco No. 35029 & 35030.

18. 41 pairs of trains were switched over from Diesel to Electric traction during financial year 2023-2024 and a recurring saving of approx. Rs. 117.6 Crores per year is likely to accrue on account of saving of HSD oil.
19. Energy regeneration of approximately Rs.147.89 Crores has been achieved during financial year 2023-2024 by use of regenerative braking in 3-phase electric locos.
20. During this year, goods outage of 705.2 was achieved by electric loco sheds against Railway Board's target of 693.2, which is 1.73 % above the Rly. Board's target.
21. Electrification work is going on at a rapid pace in NR under mission 100% electrification. A total of approximately 494 RKM and 1055 TKM has been electrified during the FY 2023-24. With this, almost 99.6% (7077 RKM) route kilometer of Northern Railway has been electrified. Complete existing route kilometers of Firozpur, Lucknow, Moradabad and Ambala Divisions have been 100% electrified and 96% existing route kilometers of Delhi Division have been 100% electrified.
22. 1160 KWp Grid connected solar power plants have been installed at 01 location (990 KWp) over Delhi division, 01 location (100 KWp) over Lucknow division and 01 location (70 KWp) over Moradabad division. Total 16.93 Lakhs units are expected to be generated from these plants annually which will result in saving of Rs.1.35 Crore and reduction of 1388.75 tonnes CO2 emission per annum.
23. Northern Railway is availing cheaper traction power through Open Access in the states of Haryana, Delhi, UP & Punjab directly from Generators. With this 96% of the total power requirement of Northern Railway has come under Open Access. Total saving on traction energy bill through open access in NR during the FY 2023-24 is approx. Rs. 356 Crores for UP, Haryana, Delhi & Punjab states.
24. Kalka Workshop created a logo for the "NORTHERN RAILWAY KALKA WORKSHOP". Its pattern was made by foundry pattern shop and casting was done by non-ferrous foundry shop. Development of this logo has given a new identity to the products manufactured by Kalka Workshop.
25. Kalka workshop has done decentralization of compressed air supply. This optimized system is expected to reduce maintenance costs associated with air leaks, pressure drops, and compressor inefficiencies; enhanced control over air pressure has led to a significant improvement in the quality of riveting process, which is an important method of permanent fastening and yield substantial energy savings, contributing to a more sustainable and cost-effective operation. Net saving of Electrical energy is 233.13 Kwh per day, 5691.12 kwh per month and 68294 kwh per year.
26. Kalka workshop has received the "Energy Efficient Unit award" by CII during 24th National Award for Excellence in Energy Management 2023 in award ceremony held at HICC, Hyderabad from 13th to 15th Sept'23. The Workshop has received this award for reducing its overall SEC by 17%, Scope 1&2 GHG reduction by 25% and substitution of renewable Energy by 27% in last three years.

27. Hon’ble Minister of Railways launched 14 Minute Miracle Scheme on 01/10/2023 at Delhi Cantt. Railway Station to reduce the turn-around time of Vande Bharat trains. Under 14 minute miracle scheme, as soon as the passengers de-board the train, 03 cleaning staff per coach get on to the train and start the cleaning process with a strict 14 minute deadline which involves disposal of garbage left over by passengers, cleaning of seats, snack tables and pantry with liquid sprays and wipes. The floors are cleaned using water and cleaning cloths on wipers.
28. Regular & special LHB trains worked on HOG scheme for 79.85% during financial year 2023-24. This has resulted in a saving of approx. 2.58 crore ltrs (approx. Rs. 234.6 Crores) of HSD oil from April’23 to March’24 earning 69249 tonnes of carbon credits also.
29. An 'Automatic Coach Washing Plant (ACWP)' was commissioned on 08.05.23 at Coaching Complex, SSB. Besides automation of external cleaning processes, considerable saving of precious water & revenue which were incurred on contractual external washing of coaches has been achieved.
30. Supervisors and Staff of Body Section/Wagon Shop(JUDW) have taken an initiative for utilizing SS scrap effectively. Scrapped SS sheets were reprocessed for fabrication purposes while ensuring the continued maintenance of the SS wagons. 2.75 tonnes of SS scrap (approx. 20% of total new sheets) was reused in March’24. With this effort, Wagon Repair Shop has not only reduced waste but also achieved cost savings of approx. 4.5 lakhs in March’24. This has encouragedadoption of sustainable practices and efficient resource management.
31. The steam run trial of the 7000WP (Ashoka) engine/Rewari shed with 03 number of coaches was conducted successfully from DEC to GHH on 19.01.2024 and a group of 22 tourists took a ride on 20.01.24 from DEC to RE.
32. Rs.13.08 crores were allocated under the Staff Benefit Fund to Northern Railway for the financial year 2023-24 and the amount has been gainfully utilized for activities such as Education, Recreation, Culture, Women Empowerment, Ayurveda, Homeopathy, Institute & Club Facilities, Sports, Scouts & Guides, relief in distress, etc.
33. Under Hon'ble Prime Minister’s 'Mission Karmayogi', over one lakh officers and staff of Northern Railway have been taken on-board which is the highest in Indian Railways.
34. The Central Planning Cell has achieved a distinction of outstanding performance during the year 2023-24. A total of 22 work studies were conducted during this period and surrender of 1381 posts of various categories of staff were achieved with a monetary savings of Rs.63.16 crores.
35. The Medical fraternity of NR has been providing curative, preventive and promotive healthcare to all railway beneficiaries and passenger travelling on trains. Programs for control of vector-borne diseases like Malaria, Dengue and Chikungunya etc. were carried out in coordination with Municipal Corporation of Delhi.

36. Orthopedic surgery has been initiated in Moradabad divisional hospital. All divisional hospitals are being upgraded with latest diagnostic and treatment machines which include X-ray, ultrasound laparoscopic and endoscopic machines. Medical camps and training sessions were held from time to time for the benefit of the employees.
37. 03 more stations, Shimla, Ludhiana and Meerut City, have been certified as 'Eat Right Stations' by FSSAI.
38. Security of the passengers and Railway assets is of prime importance. The Railway Protection Force saved the lives of 12 persons by risking their own lives. 311 children were rescued and handed over to parents/NGO under 'Operation Nanhe Farishte'.
39. 732 criminals involved in theft of railway property, 17,495 offenders under Railway Acts and 172 persons involved in crimes against passengers arrested and handed over to GRP for further legal action. Recovered left behind luggage was handed over to bonafide passengers under 'Operation Amanut. Recovery of contrabands, restricted goods and liquor was carried out by vigilant on-duty RPF personnel.
40. Jagadhri Workshop hosted an Inter Divisional Cultural Competition 2023 on 03rd November 2023.Teams from all the five divisions and workshops of Northern Railway participated in this cultural competition. Jagadhri Workshop, Firozpur Division and Lucknow division won the first, second and third prize respectively.
41. Northern Railway successfully Organized All India Railway Basketball Men, Basketball Women, Cycling Track Championship 2023-24 at Karnail Singh Stadium, New Delhi and Basketball Men secured first position & Cycling secured Third Position.
42. Northern Railway sportspersons have made us very proud again with their stellar performance in various sporting events at the 19th Asian Games at Hangzhou, China 4 Gold, 2 Bronze medal were claimed by Shooter, Wrestler, Kabaddi men’s team, Cricket men’s team, Hockey men’s and women’s team.

PUBLIC RELATIONS

1.1.1 About the Department

The Public Relations Department is instrumental in shaping a favorable public opinion of Northern Railway by building its positive image. This is done by sustained media interaction and timely dissemination of information to the public through press releases, advertisements, press conferences, press briefings etc. This department also plays a significant role in collecting a feedback of the public opinion towards the Railways to help in formulating policies that would be perceived by railway passengers, users and general public as being people friendly. This is achieved by the continuous monitoring of the print and electronic media.

The advent of new modes of communication and the expansion of Railway network has made the role of PR Department in Indian Railways very crucial and vital. The Public Relations (PR) department of the Indian Railways plays a very important role in maintaining a positive image, building trust, and effectively communicating with the public.

The PR Department of Northern Railways is instrumental in shaping a favorable public opinion of Northern Railway by building its positive image. The key responsibilities shared by the PR cadre encompass overseeing the development and execution of impactful PR strategies, managing media interactions, fostering positive relations between Indian Railways and the public, drafting speeches for high-profile occasions, updating social media platforms, gathering media feedback, countering negative news, organizing exhibitions, making films highlighting Railways positive work and ensuring effective communication during critical events.

The thrust of PR as planned and executed by this department is significantly influenced by the activities of the Zone at any given time. The year 2023-24 can be termed as a highly eventful year for Northern Railway.

The crowning achievements of the year 2023-24 was flagging off of Dehradun – Anand Vihar Terminal Vande Bharat on 25.05.2023 by Hon'ble Prime Minister. Hon'ble Prime Minister also flagged off of Gorakhpur – Lucknow Vande Bharat on 07.07.2023. Press tour was sent to Ayodhya for inauguration of Vande Bharat and Amrit Bharat Trains and other development works in Ayodhya Dham by Hon'ble PM on 30.12.2023. The ambitious UDHAMPUR –BARAMULA- USBRL project, a testament to the nation's progress which will connect Kashmir valley to the rest of India is nearing its completion. In this series, Hon'ble PM flagged off train between Banihal to Sangaldan on 20.02.2024.

Public Relations Office, Northern Railway is doing immense work in the social media realm too. Regular posting of videos on YouTube, tweets on X, informative messages on Whatsapp and articles on Facebook about recent events and developments of

Railways are undertaken on a daily basis. This not only helps in making the public aware of the activities being undertaken by Northern Railway as well as Indian Railway as a whole but also being in constant dialogue with the public to hear about their grievances and resolve any problems they might be facing – and in turn maintain a positive image in the public eye.

Public Relations Department plays very important role during any untoward incident/other unusual occurrences such as bandh calls, rail-roko agitations, floods, fog etc. It also plays greater responsibility in interaction with media with correct and updated information such as relief and rescue measures, passengers affected, as well as restoration of traffic etc.

During foggy weather, the PR Department works in special shifts to upload train position/ information on the website/Social Media platforms besides relaying the same to electronic media. In order to generate mass awareness on safety issues like safety at level-crossings etc., the PR Department also undertook SMS campaigns to disseminate the relevant informations, as and when required.

Factual information on all inaugural events of the various developmental projects disseminated through highly informative, creative and colorfully designed brochures also.

1.1.2 Highlights of the Year

CEREMONIAL FUNCTIONS- 01.04.2023 TO 31.03.2024

S NO.	DATE	EVENTS
1.	13.04.2023	Rozgar Mela virtually inaugurated by Hon'ble Prime Minister at various locations over Northern Railway.
2.	25.05.2023	Inauguration off of Dehradun – Anand Vihar Vande Bharat Express Train by Hon'ble Prime Minister Ex Dehradun.
3.	21.06.2023	International Yoga Day celebration by Northern Railway at Karnail Singh Stadium, New Delhi.
4.	14.08.2023	Partition Horrors Remembrance Day organized at Major stations of Northern Railway.
5.	25.09.2023	65th All India Railway men Basket Ball Championship organized by Northern Railway.
6.	01.10.2023	Shramdan by Hon'ble Minister of Railways at Gurgaon Railway station and inauguration of 14 minutes Miracle Cleaning of Vande Bharat Train at Delhi Cantt. Station by Hon'ble Minister of Railways.
7.	01.11.2023	Vigilance awareness week celebration at Northern Railway, HQ Office, Baroda House, New Delhi.
8.	18.12.2023	Inauguration of Vande Bharat Express Train by Hon'ble Prime Minister Ex Varanasi to New Delhi

9.	30.12.2023	Inauguration of Vande Bharat Express Trains & Amrit Bharat Express Trains by Hon'ble Prime Minister at Ayodhya Dham Railway Station and dedication to the nation of New Station building & various development works in and around of Ayodhya Dham Railway Station.
10.	20.02.2024	Dedication to the Nation of Sangaldan-Banihal New Railway Line by Hon'ble Prime Minister.
11.	08.03.2024	International Women Day organized by Northern Railway at Delhi Safdarjung Railway station.

1.1.3 Performance of Public Relations Department during the Year

S.No.	ACTIVITY	NUMBER	REMARKS
1	Press Releases Issued	451	
2	Press Releases Published	451	
3	Press Conferences	08	
4	Press Tours Conducted	07 + 01 local tour	
5	Publicity Brochures Brought Out	06	
6	Participation In Exhibitions	01 (ITPO)	
7	Advertisements Released	---	
(a)	Display	02	
(b)	Tender	3153	Including Corrigendum
(c)	Others/ Notice	882	Operational / Non-Operational
8	Radio/TV Spots Produced	04 Jingles for various Railway Stations not for Radio/ FM	
9	Radio/TV Spots Bradcast/ Telecast	--DO--	
10	Bytes/Interviews Organised	34	

LEGAL MATTERS

1.2.1 About the Department

Law Department in HQ office of Northern Railway is headed by Dy.GM/Law and is working under the administrative control of AGM. Following are the duties of Legal Department-

- Nomination of Railway Advocates if needed e.g. in cases where unable to identify executive department.
- Coordination with nodal officers for providing Power of Attorney/Vakalatnama in favour of the nominated RA, para-wise comments and relevant rules in support of the stand to be taken by the administration in the court of law.
- To study the pleadings of the petitioners/applicants and legal vetting of Reply/Affidavit prepared by RA on the basis of para-wise comments provided by branch officer.
- Examining judgments/orders referred by other branches and to advise the concerned to ensure timely action.
- To examine the grounds of appeal framed by the executive departments for the purpose of taking decision with regard to filing of appeal.
- To provide legal opinion to the various departments whenever required by them.
- Legal vetting of all legal documents viz. Contract, Agreement, Lease, Bank Guarantee etc.
- To monitor timely payment of legal fee and legal expenses to Railway Advocates.
- Follow up action for pending Contempt and Execution cases with executives and bring into the notice of nodal officers about the urgency of taking decision in any individual case in order to avoid any embarrassing situation.
- Maintain Liaison with Solicitor General of India, Additional Solicitor General and Government Advocates in connection with cases in High Courts and Supreme Court of India.

1.2.2 Highlights of the year

- **Cases in Courts over Northern Railway Territory:**
  The opening balance of court cases pertaining to Northern Railway within its territorial jurisdiction in various courts and Quasi judicial forums National State and District Consumer Forums, Tribunals etc. at the beginning of the financial year 2023-24 was 12414. During the year under review, 2449 fresh cases were filed bringing the total to 14863. Out of these 2748 cases were disposed off during the year leaving the balance of cases 12115 as on 31/03/2024.

- **Cases in Courts outside Northern Railway Territory:**
  In addition to above, 305 were pending in courts/quasi judicial forums outside the territorial jurisdiction of Northern Railway at the beginning of the financial year 2023-24. 26 fresh cases were filed in these courts during the period under review bringing to the total to 331 cases. Out of these, 142 cases were disposed off, leaving the balance of 189 cases at the close of the financial year 2023-24.

➢ Financial Expenditure during April, 2023 to March, 2024:

The total expenditure incurred on litigation during the year was Rs.7,71,23,364 /-

➢ Amount claimed/decreed by the Court:

The position with regard to the amount claimed/decreed by the Court and payments made towards the satisfaction of decrees during the financial year **2023-24** is given below:

(i) Amount claimed in all cases instituted in various courts **Rs.1,14,82,87,616/-** during the financial year **2023-24;**
(ii) Amount decreed by the Court **Rs.99,27,20,769/-** during the financial year **2023-24;**
(iii) Amount paid towards satisfaction of decree including amount decreed in previous years is **Rs. 88,64,92,610/-**

➢ Legal opinion:

During the period under reference, Legal Opinion was given in **No.115** of cases (excluding Court cases) to Engineering, Stores, Mechanical, Commercial, Operating, Security, Medical and Signal & Telecom Departments.

VIGILANCE

1.3.1 About the Department

Vigilance Organization on the Northern Railway is under the administrative control of Senior Deputy General Manager who is also the Chief Vigilance Officer of this Railway.Theactivities of Vigilance Organization cover a wide range of activities. The organization not only investigates the complaints pertaining to offences of corruption and other kinds of malpractices, but also carries out preventive checks at sensitive points, locations and areas in order to ascertain if procedures are being adhered to.

1.3.2 General

The sphere of Vigilance Organisation covers a wide gamut of activities. The organisation not only investigates the complaints pertaining to offences of corruption and malpractices, but also carries out preventive checks at sensitive points and Mass Contact Area in order to ascertain if procedures are being adhered to. Additionally. decoy checks are also conducted in order to reinforce the systems.

The main areas of activities of Vigilance broadly categorized are as under: -

(i) Preventive checks.
(ii) Investigations into genuine and owned complaints.
(iii) Punitive recommendations consequent to investigations.
(iv) Integrity building.
(v) Vigilance clearances.
(vi) Education and awareness.

Broad objectives of this organization are: -

(i) Ensure observance of rules and procedures.
(ii) Protection of Railway revenue against leakages.
(iii) Procedural and structural reforms to restrict and limit opportunities for corrupt practices.
(iv) Initiatives for integrity improvement.
(v) Improving rail user's perception.

The following thrust areas have been identified for the year on which emphasis is given for conducting checks:-

(i) Scrutiny of expenditure contracts covering all Engineering Department.
(ii) In order to cover large value works/Machinery & plants/procurement, Plan Heads have been identified for conducting preventive checks, including proper accountal of stores.
(iii) Scrutiny of earning contracts.
(iv) Misuse of various concessions including free passes, Checks in working of PRS System, E-Tickets – specifically refunds after preparations of charts,

EFT's to detect fraud and their genuineness, Refund of PRS Tickets, Claim settlement cases under section 124-A.

(v) Monitoring coverage and usage of CCTVs and other Surveillance mechanisms at various critical infrastructure of Railways where misuse is rampant.

(vi) Checks on Non issued tickets and special cancellation in PRS and UTS.

(vii) Checks on reservation done on zero value/pre-bought tickets and misuse of special/ complementary passes.

(viii) Checks on overloading of VPs/SLRs and record keeping of overloading instances by the checking/contracting division and action taken thereof.

(ix) Duty Roster of TTEs & rotation of TTEs.

(x) EFT and station cash remittance and submission of periodical returns.

(xi) Review of staff posted at Goods Sheds, Parcel officers and other sensitive posts to ensure rotation.

(xii) Reconciliation of : Issue & Receipt of new & released materials.

(xiii) Proper implementation of NIP & its inclusion in service record against the staff against which D&AR action had been proposed.

(xiv) Checks in RRB/RRC exams, Departmental Selections, Compassionate Ground Appointments.

(xv) Maintenance of leave records.

(xvi) Verification of various certificates of the candidates recruited through compassionate grounds, sports quota & cultural quota etc.

(xvii) Scrutiny of long absentee employee, verification of employee data in IPAS with muster roll/attendance and Service records.

(xviii) Scrutiny of compassionate appointment cases & role of Welfare Inspectors.

(xix) Failed NEFT transactions and bankers cheques.

(xx) Memorandum of differences for salary payment.

(xxi) Bill passing of contracts- entries in MB.

(xxii) Reconciliation of payment of Deposit works.

(xxiii) Internal-check machinery in bill passing of contractors and suppliers claims.

(xxiv) Reconciliation of receipts through electronic mode.

(xxv) Report of pending RRs, deduction of surcharge and deposit of BG.

(xxvi) Check vendor/ Party Master in IPAS to weed out fake entities & expired contracts.

(xxvii) Checking Price Variation Bills.

(xxviii) Checking of Incentive bonus given to SSEs in Workshops and Production Units.

(xxix) Checking of DOB of the Pensioners/family pensioners in the Scroll Sheet of the Bank with special attention to pensioners>80 years of age.

(xxx) Maintenance and upkeep of in-motion weighbridges.

(xxxi) Hospital Management- Procurement of medicines and Quality of high value medicines.

1.3.3 Organization

The sanctioned strength of the Vigilance organization is as follows:

a) Gazetted

1	SDGM/ Chief Vigilance Officer	1
2	Chief Vigilance Officer/T	1
3	Chief Vigilance Officer (S&T)	1
4	Dy. Chief Vigilance Officer (A)	1
5	Dy. Chief Vigilance Officer (E)	1
6	Dy. Chief Vigilance Officer (EL)	1
7	Dy. Chief Vigilance Officer (M)	1
8	Dy. Chief Vigilance Officer (S)	1
9	Dy. Chief Vigilance Officer (T)	1
10	Asstt. Vigilance Officer (E)	1

b) Non- Gazetted Staff

1	Field staff (including 2 watchers)	33
2	Office staff (including two PO)	27
3	Group ‘D’ staff	10

1.3.4 Investigations into Complaints

Total number of complaints investigated by the Vigilance branch during the year 2023-2024 and the result arising thereof in the form of Major penalty/ Minor penalty proceedings are as under:

S No.	Item	Total
(a)	Total number of complaints investigated	104
(b)	Total number of Major penalty proceedings arising there from (Number of staff both GO & NGO)	15

(c)	Total number of Minor penalty proceedings arising there from (Number of staff both GO & NGO)	21

1.3.5 Preventive Checks

(a)	Number of Preventive checks undertaken	499
(b)	Amount realised/ raised towards Railway dues	191.17 Lakh
(c)	Total number of Major penalty proceedings arising there from (Number of staff)	116
(d)	Total number of Minor penalty proceedings arising there from (Number of staff)	204

1.3.6 DAR Statistical Information

S No.	Item	GO	NGO	Total
(a)	Number of DAR cases brought forward from the previous year	22	152	174
(b)	Number of fresh cases arisen during the year	10	355	365
(c)	Number of cases finalized	9	252	261
(d)	Number of cases outstanding at the end of the year	23	255	278

1.3.7 Punishments

S No.	Item	GO	NGO	Total
1	Dismissal	-		-
2	Removals	-	1	1
3	Compulsory retirements	-	3	3
4	Cut in Pension	1		1
5	Reduction in Rank/ Pay	5	119	124
6	Withholding of increments	-	74	74
7	Withholding of promotion	-	3	3
8	Censure	1	23	24
9	Others	2	29	32
	Total	**9**	**252**	**261**

1.3.8 Some Important checks conducted by Vigilance Deptt. during the period 01.04.2023 to 31.03.2024

A. Traffic

(i) Detection of irregularity in Parcel Office/Leased SLR/VPU

- During reweighment of FSLR of train No. 22691on 06/04/2023, total weight 5415 kg. was detected against CC of 3900 kgs. Thus, 1515kg. was found excess for which an amount of Rs. 71066/- was realized from the party and necessary action recommended against the leaseholder.
- During reweighment of RSLR of train No. 12779on 06/04/2023, total weight 4283 kg. was detected against CC of 4000 kgs. Thus, 283kg. was found excess for which an amount of Rs. 17525/- was realized from the party and necessary action recommended against the leaseholder.
- During reweighment of FSLR of train No. 20945on 06/04/2023, total weight 4293.2 kg. was detected against CC of 3900 kgs. Thus, 393.2kg. was found excess for which an amount of Rs. 15555/- was realized from the party and necessary action recommended against the leaseholder.
- During reweighment of FSLR of train No. 12311on 12/04/2023, total weight 5023.1 kg. was detected against CC of 4000 kgs. Thus, 1023.1kg. was found excess for which an amount of Rs. 34372/- was realized from the party and necessary action recommended against the leaseholder.
- During reweighment of RSLR of train No. 12311on 12/04/2023, total weight 4557.7 kg. was detected against CC of 4000 kgs. Thus, 557.7kg. was found excess for which an amount of Rs. 23114/- was realized from the party and necessary action recommended against the leaseholder.
- During reweighment of RSLR of train No. 12381on 13/04/2023, total weight 5788 kg. was detected against CC of 3900 kgs. Thus, 1888kg. was found excess for which an amount of Rs. 58350/- was realized from the party and necessary action recommended against the leaseholder.
- During reweighment of VP of train No. 19031on 14/04/2023, total weight 25830 kg. was detected against CC of 24000 kgs. Thus, 1830kg. was found excess for which an amount of Rs. 30676/- was realized from the party and necessary action recommended against the Firm.
- During reweighment of FSLR of train No. 12167on 03/05/2023, total weight 4359.1 kg. was detected against CC of 3900 kgs. Thus, 459kg. was found excess for which an amount of Rs. 20430/- was realized from the party and necessary action recommended against the leaseholder.

- During reweighment of consignment at Parcel Office/NDLS on 04/05/2023, total weight 5275 kg was detected against booked weight 2610 kg. Thus, 2665 kg was found excess for which an amount of Rs. 19064/- was realized from the party.
- During reweighment of consignment at Parcel Office/NDLS on 16/05/2023, total weight 4295 kg was detected against booked weight 2700 kg. Thus, 1595 kg was found excess for which an amount of Rs. 8486/- was realized from the party.
- During reweighment of consignment at Parcel Office/NDLS on 16/05/2023, total weight 4309.5 kg was detected against booked weight 3940 kg. Thus, 1369.5 kg was found excess for which an amount of Rs. 7265/- was realized from the party.
- During reweighment of FSLR of train No. 12301on 08/06/2023, total weight 7867 kg. was detected against CC of 3900 kgs. Thus, 3967kg. was found excess for which an amount of Rs. 110558/- was realized from the party and necessary action recommended against the leaseholder.
- During reweighment of FSLR of train No. 12301on 15/06/2023, total weight 6160.3 kg. was detected against CC of 3900 kgs. Thus, 2260.3kg. was found excess for which an amount of Rs. 69938/- was realized from the party and necessary action recommended against the leaseholder.
- During reweighment of FSLR of train No. 12301on 23/06/2023, total weight 5640.6 kg. was detected against CC of 3900 kgs. Thus, 1740.6kg. was found excess for which an amount of Rs. 52262/- was realized from the party and necessary action recommended against the leaseholder.
- During reweighment of consignment at Parcel Office/NDLS on 22/06/2023, total weight 2216.7 kg was detected against booked weight 1880 kg. Thus, 336.7 kg was found excess for which an amount of Rs. 2787/- was realized from the party.
- During reweighment at Parcel Office/NZM on 21/07/2023, total weight 7446 kg. was detected against booked weight of 3990 kgs. of parcels booked from NZM to KCG. Thus, 3456kg. was found excess for which an amount of Rs. 22455/- was realized from the party and necessary action recommended against the defaulting staff.
- During reweighment of FSLR of train No. 12311on 18/08/2023, total weight 5470 kg. was detected against CC of 4000 kgs. Thus, 1470kg. was found excess for which an amount of Rs. 53227/- was realized from the party and necessary action recommended against the leaseholder.
- During reweighment of RSLR of train No. 12311on 18/08/2023, total weight 5479 kg. was detected against CC of 4000 kgs. Thus, 1479kg. was found excess for which an amount of Rs. 51103/- was realized from the party and necessary action recommended against the leaseholder.
- During reweighment of RSLR of train No. 12381on 18/08/2023, total weight 8231.6 kg. was detected against CC of 3900 kgs. Thus, 4331.6kg. was found excess for

which an amount of Rs. 132654/- was realized from the party and necessary action recommended against the leaseholder.

- During reweighment at Parcel Office/NDLS on 26/08/2022, total weight 1079.1 kg was detected against booked weight of 669.4 kg of 19 packages booked from HWH to NDLS. Thus, 389.9 kg was found excess for which an amount of Rs. 7002/- were realized as undercharges. GM/Vig/ER has been advised for taking action against defaulting staff.

(ii) Detection of irregularity in Train

- During preventive check conducted in Train no. 22440 on 05/04/2023, 2 without ticket passengers were found travelling in manned coaches of TTEs on duty. An amount of Rs. 6440/- was realized from them for due fare and penalty. DRM has been advised to take suitable action against defaulting staff.
- During preventive check conducted in Train no. 12231 on 01/05/2023, Rs. 1100/- was found excess in Govt. Cash of TTE on duty. Besides, 4 without ticket passengers were found travelling in manned coaches of another TTE on duty. An amount of Rs. 2600/- was realized from them for due fare and penalty. DRM has been advised to take suitable action against defaulting staff.
- During preventive check conducted at TC Office/LKO on 04/05/2023, Rs. 800/- was found excess in Govt Cash of TTE on duty. DRM has been advised to take DAR action against defaulting staff.
- During preventive check conducted in Train no. 12055 on 13/05/2023, Rs. 3030/- was found excess in Pvt. Cash of TTE on duty. DRM has been advised to take suitable action against defaulting staff.
- During preventive check conducted in Train no. 12055 on 13/05/2023, 3 without ticket passengers were found travelling in manned coach of TTE on duty. An amount of Rs. 3210/- was realized from them for due fare and penalty. DRM has been advised to take suitable action against defaulting staff.
- During preventive check conducted in Train no. 13006 on 30/05/2023, Rs. 8120/- was found excess in Pvt. Cash of TTE on duty. Besides, 4 without ticket passengers were found travelling in his manned coach. An amount of Rs. 2650/- was realized from them for due fare and penalty. DRM has been advised to take DAR action against defaulting staff.
- During another preventive check conducted in Train no. 13006 on 30/05/2023, Rs. 11400/- and Rs. 500/- were found excess in Pvt. Cash of two TTEs on duty. Besides, 4 without ticket passengers were found travelling in their manned coaches. An amount of Rs. 920/- was realized from them for due fare and penalty. DRM has been advised to take DAR action against defaulting staff.
- During preventive check conducted in Train no. 14523 on 30/05/2023, Rs. 1000/- was found excess in Govt. Cash of TTE on duty. Besides, 2 without ticket

passengers were found travelling in his manned coach. An amount of Rs. 750/- was realized from them for due fare and penalty. DRM has been advised to take DAR action against defaulting staff.

- During preventive check conducted in Train no. 14511 on 16/06/2023, Rs. 5250/- was found excess in Govt. Cash of TTE on duty. DRM has been advised to take DAR action against defaulting staff.
- During preventive check conducted at TTE Office/HPU on 16/06/2023, Rs. 5900/- was found excess in Govt. Cash of TTE on duty. DRM has been advised to take DAR action against defaulting staff.
- During preventive check conducted in Train no. 15707 on 17/06/2023, Rs. 9500/- was found short in Govt. Cash of TTE on duty. Besides, Rs. 250/- were also found undeclared cash with him. DRM has been advised to take DAR action against defaulting staff.
- During preventive check conducted in Train no. 19020 on 21/06/2023, 10 without ticket/irregular passengers were found travelling in his manned coach. An amount of Rs. 6875/- was realized from them for due fare and penalty. DRM has been advised to take DAR action against defaulting staff.
- During preventive check conducted in Train no. 14511 on 21/06/2023, Rs. 1620/- were found excess Pvt. cash with 3 coach attendant than their declared Pvt. Cash. DRM has been advised to take suitable action against defaulting staff.
- During preventive check conducted in Train no. 12565 on 23/06/2023, 11 without ticket passengers were found travelling in pantry car of train. An amount of Rs. 12565/- was realized from them for due fare and penalty. DRM has been advised to take suitable action defaulting staff.
- During preventive check conducted in Train no. 22484 on 23/06/2023, 4 irregular vendors were found in the train. An amount of Rs. 7400/- was realized from them for due fare and penalty. DRM has been advised to take suitable action defaulting staff.
- During preventive check conducted in Train no. 12565 on 29/06/2023, 11 without ticket passengers were found travelling in Pantry Car of Train. An amount of Rs. 30390/- was realized from them for due fare and penalty. DRM has been advised to take suitable action against defaulting staff.
- During another preventive check conducted on 29/06/2023 in TC office/UMB Rs. 16320/- were found excess in Pvt. Cash of two TC on duty. DRM has been advised to take DAR action against defaulting staff.
- During preventive check conducted in Train no. 22448 on 29/06/2023, 4 irregular Vendors were found. An amount of Rs. 7400/- was realized from them for due fare and penalty. DRM has been advised to take suitable action against defaulting staff.

- During preventive check conducted in Train no. 22461 on 30/06/2023, 8 without ticket passengers were found travelling in B3 and B4 coaches manned by TTE on duty. An amount of Rs. 11320/- was realized from them for due fare and penalty. DRM has been advised to take DAR action against defaulting staff.
- During preventive check conducted in Train no. 12445 on 02/07/2023, 2 without ticket passengers were found travelling in B4 coach manned by TTE on duty. An amount of Rs. 2660/- was realized from them for due fare and penalty. DRM has been advised to take DAR action against defaulting staff.
- During preventive checks conducted in Train no. 12445 on 03/07/2023, 2 without ticket passengers were found travelling in A2 and B3 coaches manned by two TTEs. An amount of Rs. 7160/- was realized from them for due fare and penalty. Besides, Rs. 3100/- found excess in Pvt. Cash of TTE manned B3 coach. DRM has been advised to take DAR action against defaulting staff.
- During preventive check conducted in Train no. 22461 on 07/07/2023, 4 without ticket passengers were found travelling in B4 coach manned by TTE on duty. An amount of Rs. 4915/- was realized from them for due fare and penalty. DRM has been advised to take DAR action against defaulting staff.
- During preventive check conducted in Train no. 12912 on 12/07/2023, 8 without ticket passengers were found travelling in B6 and A1 Coaches manned by TTE on duty. An amount of Rs. 10195/- was realized from them for due fare and penalty. DRM has been advised to take suitable action defaulting staff.
- During preventive checks conducted in Train no. 12138 on 03/08/2023, Rs. 1000/- and Rs. 4200/- found excess in the Pvt. Cash of two TTEs on duty. Besides 2 and 3 irregular passengers were found in their manned B3 and B5/B6 coaches respectively. An amount of Rs. 4600/- was realized from them for due fare and penalty. DRM has been advised to take suitable action against defaulting staff.
- During another preventive check conducted in Train no. 12138 on 03/08/2023, Rs. 1230/- found excess in the Govt. Cash of TTE on duty. Besides 4 irregular passengers were found in his manned coaches S1 and S2. An amount of Rs. 1490/- was realized from them as due fare and penalty. DRM has been advised to take action against defaulting staff.
- During preventive checks conducted in Train no. 12137 on 05/08/2023, Rs. 2500/- and Rs. 1200/- were found excess in the Pvt. Cash of two TTEs on duty. DRM has been advised to take DAR action against defaulting staff.
- During preventive check conducted in Train no. 12472 on 05/08/2023, 7 without ticket/irregular passengers were found travelling in B3 and B4 coaches manned by TTE on duty. An amount of Rs. 6210/- was realized from them as due fare and penalty. DRM has been advised to take DAR action against defaulting staff.

- During another preventive check conducted on 10/08/2023 in TC office/DEE Rs. 6500/- were found excess in the Pvt. Cash of two TCs on duty. DRM has been advised to take action against defaulting staff.
- During preventive checks conducted in Train no. 14888 on 26/08/2023, Rs. 5300/- were found excess in the Pvt. Cash of TTE on duty. DRM has been advised to take suitable action against defaulting staff.
- During another preventive check conducted in Train no. 12231 on 07/09/2023, Rs. 1470/- were found excess in the Pvt. Cash of TTE on duty. DRM has been advised to take action against defaulting staff.
- During preventive check conducted in Train no. 12171 on 08/09/2023, one vendor of pantry car was found without medical certificate. An amount of Rs. 2390/- was realized from him as due fare and penalty. DRM has been advised to take action against the defaulting staff.
- During preventive check conducted in Train no. 13006 on 09/09/2023, one vendor of pantry car was found without medical certificate. An amount of Rs. 2410/- was realized from him as due fare and penalty. DRM has been advised to take action against the defaulting staff.
- During another preventive check conducted in Train no. 12237 on 09/09/2023, Rs. 3860/- were found excess in the Pvt. Cash of TTE on duty. DRM has been advised to take action against defaulting staff.
- During preventive checks conducted in Train no. 12429 on 09/09/2023, one without ticket/irregular passenger was found travelling in A2 coach manned by TTE on duty. An amount of Rs. 2140/- was realized from them as due fare and penalty DRM has been advised to take D&AR action against defaulting staff.
- During another preventive check conducted in Train no. 12266 on 21/09/2023, Rs. 2160/- were found excess in the Pvt. Cash of TTE on duty. Besides, 3 without ticket passengers were found travelling in S4 & S6 coaches manned by TTE on duty. An amount of Rs. 2000/- were realized from them as due fare and penalty DRM has been advised to take D&AR action against defaulting staff.
- During preventive check conducted in Train no. 12266 on 21/09/2023, 5 without ticket/irregular passengers were found travelling in B10 coach manned by TTE on duty. An amount of Rs. 5220/- was realized from them as due fare and penalty. DRM has been advised to take D&AR action against defaulting staff.
- During preventive checks conducted in Train no. 22440 on 24/09/2023, 4 without ticket passengers were found travelling in C11 & C12 coaches manned by TTE on duty. An amount of Rs. 10440/- was realized from them as due fare and penalty DRM has been advised to take D&AR action against defaulting staff.
- During preventive checks conducted in Train no. 12424 on 27/09/2023, 3 without ticket passengers were found travelling in B-4 coaches manned by TTE on duty.

An amount of Rs. 21240/- was realized from them as due fare and penalty. DRM has been advised to take D&AR action against defaulting staff.

- During another preventive check conducted in Train no. 12424 on 28/09/2023, 4 without ticket passengers were found travelling in B-6, B-7 & B-8 coaches manned by TTE on duty. An amount of Rs. 28330/- was realized from them as due fare and penalty. Besides, 2 passengers traveling on seats booked under Sr. Citizen Quota in B-8 coach. Rs. 14180/- were also realized from them. DRM has been advised to take D&AR action against defaulting staff.
- During preventive check conducted in Train no. 14610 on 28/09/2023, 7 without ticket passengers were found travelling in S3, S4, S5 & S6 coaches manned by TTE on duty. An amount of Rs. 4760/- was realized from them as due fare and penalty. Besides, Rs. 1160/- were also found excess in Pvt. Cash of TTE who was manning S-3 coach. DRM has been advised to take D&AR action against defaulting staff.
- During preventive check conducted in Train no. 12309 on 29/09/2023, 2 without ticket passengers were found travelling in H-2 coach manned by TTE on duty. Coach attendant was also found responsible for accepting Rs. 7300/- illegally from both the passengers travelling without ticket in H-2 Coach. An amount of Rs. 14930/- was realized from them as due fare and penalty. Besides, one passenger was found travelling without ticket in Pantry Car. An amount of Rs. 7465/- was realized from him as due fare and penalty. DRM has been advised to take D&AR action against defaulting staff.
- During preventive checks conducted in Train no. 12017 on 30/09/2023, 7 irregular passengers were found travelling in C9 & C12 coaches manned by TTE on duty. An amount of Rs. 12670/- was realized from them as due fare and penalty. DRM has been advised to take D&AR action against defaulting staff.
- During preventive checks conducted in Train no. 22457 on 30/09/2023, 3 irregular passengers were found travelling in B-2 coaches manned by TTE on duty. An amount of Rs. 4330/- was realized from them as due fare and penalty. DRM has been advised to take D&AR action against defaulting staff.
- During preventive check conducted in Train no. 22462 on 03/10/2023, 3 without ticket passengers were found travelling in B-5 & B-6 coach manned by TTE on duty. An amount of Rs. 7080/- was realized from them as due fare and penalty DRM has been advised to take D&AR action against defaulting staff.
- During preventive check conducted in Train no. 14034 on 21/10/2023, 4 without/irregular passengers were found travelling in S-4 coach manned by TTE on duty. An amount of Rs. 1880/- was realized from them as due fare and penalty. DRM has been advised to take D&AR action against defaulting staff.
- During another preventive check conducted in Train no. 14034 on 21/10/2023, 4 without/irregular passengers were found travelling in B-3 coach manned by TTE on

duty. An amount of Rs. 4910/- was realized from them as due fare and penalty. DRM has been advised to take D&AR action against defaulting staff.

- During another preventive check conducted in Train no. 12413 on 21/10/2023, 8 without/irregular passengers were found travelling in S-2, S-3 & S4coaches manned by TTE on duty. An amount of Rs. 3730/- was realized from them as due fare and penalty. DRM has been advised to take D&AR action against defaulting staff.
- During another preventive check conducted in Train no. 14034 on 21/10/2023, 4 without ticket passengers were found travelling in S-2 coach manned by TTE on duty. An amount of Rs. 1500/- was realized from them as due fare and penalty. DRM has been advised to take D&AR action against defaulting staff.
- During preventive check conducted in Train no. 12029 on 21/10/2023, 2 without ticket passengers were found travelling in C6 coach manned by TTE on duty. An amount of Rs. 3900/- was realized from them as due fare and penalty. DRM has been advised to take D&AR action against defaulting staff.
- During preventive checks conducted in Train no. 12423 on 26/11/2023, 4 without ticket passengers were found travelling in A-2, A-4 & A-5 coaches manned by TTE on duty. An Amount of Rs. 40920/- were realized from them as due fare and penalty. Rs. 1380/- were also found excess in his Pvt. Cash. Besides, 3 passengers were also found without ticket in Pantry Car and Rs. 33000/- were also found unaccounted in Pantry Car. An amount of Rs. 27240/- were realized from them as due fare and penalty DRM has been advised to take D&AR action against defaulting staff.
- During another preventive checks conducted in Train no. 12423 on 26/11/2023, 4 without ticket passengers were found travelling in B-5, B-6, B-8 & B-9 coaches manned by TTE on duty. Besides, Rs. 2000/- were also found excess in his Pvt. Cash. An amount of Rs. 28200/- were realized from them as due fare and penalty. DRM has been advised to take D&AR action against defaulting staff.
- During preventive checks conducted in Train no. 22435 on 10/12/2023, 4 without ticket passengers were found travelling in C-4 coach manned by TTE on duty. An amount of Rs. 11520/- was realized from them as due fare and penalty. Besides, Rs. 43500/- was found with the waiter of C-4 coach as undeclared and unaccounted cash.. DRM/Delhi is being advised to take D&AR action against defaulting staff.
- During preventive checks conducted in Train no. 13005 on 17/12/2023, 2 irregular ticket passengers were found travelling in HA1 and B2 Coaches manned by TTE on duty. An amount of Rs. 2850/- was realized from them as due fare and penalty. Besides, Rs. 1000/- was also found excess in his pvt. Cash. DRM/Moradabad has been advised to take D&AR action against defaulting staff.

- During other preventive checks conducted in Train no. 13005 on 17/12/2023, 11 without ticket passengers were found travelling in S-4, B-4 & B-5 Coaches manned by TTE on duty. An amount of Rs. 5695/- was realized from them as due fare and penalty. Besides, Rs. 500/- was also found excess in his Pvt. Cash of TTE on duty in S-4 Coach. DRM/Moradabad has been advised to take D&AR action against defaulting staff.
- During preventive checks conducted in Train no. 12424 on 23/12/2023, 5 without ticket passengers were found travelling in B-3, B-4, B-7 & B-10 coaches manned by TTEs on duty. An amount of Rs. 35440/- was realized from them as due fare and penalty. Besides, Rs. 7100/- was also found excess in Pvt. Cash of Pantry Car staff. DRM/Delhi is being advised to take D&AR action against defaulting staff.
- During another preventive check conducted in Train no. 22414 on 23/12/2023, 6 without ticket passengers were found travelling in B-2, B-3, B-4 & B-7 coach manned by TTEs on duty. An amount of Rs. 33450/- was realized from them as due fare and penalty. DRM/Delhi is being advised to take D&AR action against defaulting staff.
- During preventive check conducted in Train no. 22686 on 23/12/2023, one passenger was found travelling on ticket issued against wrong cancer patient concession certificate. An amount of Rs. 2660/- was realized from him as due fare. Investigation of the case is under process.
- During preventive check conducted in Train no. 12431 on 24/12/2023, an unaccounted amount of Rs. 45215/- was found with Pantry Car Manager. GM/IRCTC/North Zone is being advised to take action against defaulting catering contractor.
- During preventive checks conducted in Train no. 12411 on 16/02/2024, 3 irregular passengers were found travelling in C-1 coach manned by TTE on duty. An amount of Rs. 710/- was realized from them as due fare and penalty. DRM/Ambala is being advised to take D&AR action against defaulting staff.
- During preventive checks conducted in Train no. 15910 on 29/02/2024, Rs. 7000/- was found unaccounted in the pantry car. Besides, OBHS staff was also found without proper uniform of the firm and using low quality material. GM/Vig/NFR is being advised to take action against defaulting staff.
- During preventive checks conducted in Train no. 12919 on 04/03/2024, the following irregularities were noticed:
    - Rs. 900/- was found excess in private cash of TTE on duty.
    - 2 irregular passengers were detected in B-5 coach manned by TTE on duty. Rs. 1320/- was realized as due fare and penalty from them.
    - OBHS staff was found responsible for not declaring Pvt. Cash.
    - Rs. 4200/- was found unaccounted with Pantry Manager.

  DRM/FZR has been advised to take D&AR action against defaulting staff.

- During preventive checks conducted at TC Office/NBD on 22/03/2024, Rs. 1740/- was found excess in Pvt. Cash of TC on duty. Besides, Rs. 750/- was also found excess in Pvt. cash of another TC on duty. DRM/MB has been advised to take D&AR action against defaulting staff.
- During preventive check conducted in Train no. 14208 on 22/03/2024, 4 irregular passengers were found travelling in B1 coach manned by TTE on duty. Rs. 4900/- was realized as due fare and penalty from them. DRM/MB has been advised to take D&AR action against defaulting staff.
- During another preventive check conducted in Train no. 12332 on 22/03/2024, one vendor was found without medical certificate and Rs. 2500/- was realized from him as due fare and penalty. Besides, Rs. 2000/- were also found unaccounted with the Pantry Car Manager. DRM/MB has been advised to take D&AR action against defaulting staff.
- During preventive checks conducted in TC Office/HPU on 25/03/2024, while train no. 14241 arrived at station on 25/03/2024, TTE/HPU was found responsible for not signing off his duty at HQ. DRM/MB has been advised to take D&AR action against defaulting staff.
- During preventive checks conducted in SS Office/DEE on 07/03/2024, Dy. SS/Commercial DEE found responsible for the following irregularities:
    - Not declaring his private cash while on duty.
    - Detection of undeclared/unaccounted amount of Rs. 2300 in his pocket.

  DRM/DLI had been advised to take D&AR action against defaulting staff.

(iii) Apprehension of touts involved in illegal Tatkal Ticketing activities

- During preventive check conducted at MOZ station on 12/07/2023, one tout detected having 2 PRS Tickets amounting to Rs. 6540/- during Tatkal Reservation time. It was also found that during period 01/07/2023 to 11/07/2023 no priority was mentioned in most of the Tatkal requisition forms in the form of numbering. Tout was handed over to RPF/MOZ. Division has been apprised about the irregularities.
- During investigation of a check conducted at PRS/SUPC, RS/SUPC was held responsible for the following irregularities:-
    - Issuing Tatkal Tickets without following the norms and without completing monetary transaction with passengers.
    - One unclaimed Tatkal ticket was recovered from his counter.
    - Collusion with travel agent
    - Responsible for issuing 577 e-tickets through his mobile phone on Retail Service Provider (RSP) ID issued in the name of his wife and for generation of 387 e-tickets for some third parties on personal IDs of IRCTC.
    - Found responsible for filling 64 requisition slip for tatkal booking in addition to normal tickets in his own handwriting.

CCM(PM)/NR has been advised to take D&AR action against RS/SUPC. Registrar (Admin) Supreme Court of India has also been apprised about the irregularities.

(iv) Detection of impersonated Asstt. Vigilance Officer

- During preventive checks conducted at platform No. 4 on 11/02/2024, a person was caught by two members of ticket checking staff from CTC squad Railway Board who introduced himself as Raj Kumar Sharma, Assistant Vigilance Officer, Northern Railway and shown his identity card which was bearing the same details as he told verbally. After recording his statements and ascertaining that he is not a Railway employee, the case was subsequently handed over to GRP for further necessary action.

(v) Detection of irregularity in Booking Office

- During preventive check conducted in Booking Office of a division on 05/04/2023, Rs. 2635/- was found short in Govt. Cash of Booking Staff on duty. DRM has been advised to take DAR action against defaulting staff.
- During preventive check conducted in Booking Office of a division on 17/04/2023, Rs. 490/- was found short in Govt. Cash of Booking Staff on duty. DRM has been advised to take DAR action against defaulting staff.
- During preventive check conducted in Booking Office of a division on 18/04/2023, Rs. 2230/- was found excess in Govt. Cash of Booking Staff on duty. DRM has been advised to take DAR action against defaulting staff.
- During preventive check conducted in Booking Office of a division on 27/04/2023, Rs. 650/- was found excess in Pvt. Cash of Booking Staff on duty. DRM has been advised to take suitable action against defaulting staff.
- During preventive check conducted in Booking Office of a division on 27/04/2023, Rs. 940/- was found short in Govt. Cash of Booking Staff on duty. DRM has been advised to take action against defaulting staff.
- During preventive check conducted in Booking Office of a division on 02/05/2023, Rs. 1828/- was found excess in Govt. Cash of Booking Staff on duty. DRM has been advised to take DAR action against defaulting staff.
- During preventive checks conducted in Booking Office of a division on 04/05/2023, Rs. 1865/- and Rs. 2580/- were found excess in Govt. Cash of Booking Staff on duty. DRM has been advised to take DAR action against defaulting staff.
- During preventive checks conducted in Booking Office of a division on 04/05/2023, Rs. 5700/- was found excess in Pvt. Cash of Booking Staff on duty. DRM has been advised to take action against defaulting staff.

- During another preventive checks conducted in Booking Office of a division on 04/05/2023, Rs. 8250/- was recovered from booking staff which was untenable and unaccountable. DRM has been advised to take action against defaulting staff.
- During preventive check conducted in Booking Office/NDLS on 06/07/2023, Rs. 8480/- was found excess in Govt. cash booking staff on duty. DRM has been advised to take D&AR action against defaulting staff.
- During preventive check conducted in Booking Office/BSB on 27/07/2023, Rs. 2824/- were found excess in Govt. cash booking staff on duty. DRM has been advised to take D&AR action against defaulting staff.
- During another preventive check conducted in Booking Office/NDLS on 04/08/2023, Rs. 10490/- were found excess in Pvt. cash booking staff on duty. Besides, he was found responsible for not completing his shift duty. DRM has been advised to take D&AR action against defaulting staff.
- During preventive checks conducted in Booking Office/DDN on 26/08/2023, Rs. 2940/- and Rs. 7630/- were found excess in Pvt. cash of two booking staff on duty. DRM has been advised to take D&AR action against defaulting staff.
- During preventive check conducted in Booking Office/LKO on 08/09/2023, Rs. 1900/- were found excess in Pvt. cash of booking staff on duty. DRM has been advised to take D&AR action against defaulting staff.
- During preventive check conducted in Booking Office/ASR on 12/09/2023, Rs. 5470/- were found excess in Pvt. cash of booking staff on duty DRM has been advised to take D&AR action against defaulting staff.
- During another preventive check conducted in Booking Office/ASR on 12/09/2023, Rs. 5100/- were found excess in Pvt. cash and Rs. 92/- were found excess in Govt. Cash of Booking staff on duty DRM has been advised to take D&AR action against defaulting staff.
- During preventive check conducted in Booking Office/ASR on 13/09/2023, Rs. 2800/- were found excess in Pvt. cash of booking staff on duty DRM has been advised to take D&AR action against defaulting staff.
- During another preventive check conducted in Booking Office/ASR on 13/09/2023, Rs. 2000/- and Rs. 3000/- were found excess in Pvt. cash of two booking staff on duty. DRM has been advised to take D&AR action against defaulting staff.
- During preventive checks conducted in Booking Office/NDLS on 10/11/2023, Rs. 2640/- were found excess in Govt. cash of booking staff on duty. DRM has been advised to take D&AR action against defaulting staff.

- During preventive check conducted at Reservation Office/UMB on 09/03/2024, Reservation staff was found responsible for following irregularities:
    - Rs.280/- was found excess in his private cash.
    - Accepting an excess amount of Rs.450/- from a tatkal ticket applicant in exchange for the ticket.
    - Issuing tatkal tickets without completing transactions.

  DRM/UMB is being advised for taking necessary action against defaulting staff.
- During preventive check conducted at Booking Office/ANVR on 24/03/2024, Rs. 535/- was found excess in Govt. Cash of on duty booking staff. DRM/DLI is being advised for taking necessary action against defaulting staff.
- During preventive checks conducted at Booking Office/LDH on 17/03/2024, following irregularities were detected.
    - Rs. 1700/- was found excess in Pvt. Cash of on duty booking staff.
    - Rs. 720/- was also found excess in Govt. Cash of another Booking Staff.
    - Rs. 455/- found excess in Govt. Cash and Rs. 15700/- was found excess in Pvt. Cash of another booking staff.

  DRM/FZR has been advised for taking necessary action against defaulting staff.

(vi) Detection of irregularity in Reservation Office

- During preventive check conducted in Reservation Office/MB on 03/06/2023, Rs. 435/- was found short in Govt. Cash and 695/- was found excess in Pvt. Cash of Reservation staff on duty. Besides, 1 unclaimed PRS ticket without requisition worth Rs. 785/- was found with him. DRM has been advised to take suitable action against defaulting staff.
- During preventive check conducted in Reservation Office/SMQL on 03/06/2023, Rs. 7515/- was found short in Govt. Cash of Reservation staff on duty. DRM has been advised to take suitable action against defaulting staff.
- During another preventive check conducted in Reservation Office/SMQL on 03/06/2023, Rs. 8915/- was found short in Govt. Cash of another Reservation staff on duty. DRM has been advised to take suitable action against defaulting staff.
- During another preventive check conducted in Reservation Office/SMQL on 03/06/2023, Rs. 7810/- was found short in Pvt. Cash of Reservation staff on duty. DRM has been advised to take suitable action against defaulting staff.
- During investigation of a check conducted at PRS/Nihalgarh, RS/ Nihalgarh was held responsible for the following irregularities:-
    - RS. 3140/- were found short in Govt. Cash. 04 lives tickets of same amount were also found from counter no. 1071.

- PNR NO. and Serial No. was not endorsed in 04 Tatkal Requisition forms.
- Deliberate addition of 3 passenger's name in Tatkal tickets Requisition forms

DRM has been advised to take D&AR action against defaulting staff.

- As per railway Board guidelines regarding checks on thrust area in 2023, the Northern Railway conducted checks after getting data from PRIMES database to monitor reservation done on zero value/pre bought tickets and misuse of special/complimentary passes. Data for tickets generated on duty passes in Rajdhani Shatabdi/Vande Bharat Trains was scrutinized. Following irregularities were observed

  - Booking of reservation tickets from PRS in CC of train no. 20172 (Vande Bharat) on duty passes which were not entitled to book tickets in said class and train.
  - Booking of PRS tickets on 1st class duty passes in 2AC of Rajdhani Express Trains (22503, 2220505, 20506, 20504) which were not entitled for the class.
  - Booking of two tickets on single duty pass in same day for different destinations.
  - Misuse of Union Card Pass for multiple booking of reservation tickets for different destination without any authentic movement.
  - Issued of duty card pass for not entitled class (employee of grade pay 2800/- was issued a 1st class duty pass).
  - Multiple extension on duty pass issued to GRP staff and misuse of such passes for booking of reservation for family members of GRP personnel.

  For the above lapses, DRM has been advised to take D&AR action against defaulting staff.

- During preventive checks conducted in Reservation Office/ROK on 16/11/2023, Rs. 11290/- were found short in Govt. Cash of Reservation staff on duty. Besides, 4 PRS ticket including 2 Tatkal PRS tickets were also found from his counter. DRM has been advised to take D&AR action against defaulting staff.

- During preventive checks conducted in Reservation Office/MOZ on 26/11/2023, Rs. 11670/- were found excess in Govt. Cash of Reservation staff on duty. Besides, 4 Tatkal PRS tickets were also found from his possession. DRM has been advised to take D&AR action against defaulting staff.

- During preventive check conducted at Reservation Office/UMB on 09/03/2024, Reservation staff was found responsible for following irregularities:

  - Rs.280/- was found excess in his private cash.
  - Accepting an excess amount of Rs.450/- from a tatkal ticket applicant in exchange for the ticket.
  - Issuing tatkal tickets without completing transactions.

  DRM/UMB has been advised for taking necessary action against defaulting staff.

- During preventive check conducted at Reservation Office/RKSH on 22/03/2024, Rs. 2560/- was found excess in Govt. Cash of on duty Reservation staff. DRM/MB has been advised for taking necessary action against defaulting staff.

(vii) Detection of irregularity at Platform Stall

- During preventive check conducted in RAIL AHAR Stall at Platform No. 2-3 of Anand Vihar station on 29/01/2024, the following irregularities were noticed:
  - Rs. 4395/- was found undeclared Pvt. Cash with waiter.
  - Rs. 5900/- was found as undeclared sale at stall counter.
  - Unapproved item for sale were also found at stall.

  DRM/DLI has been advised for taking necessary action against defaulting staff.

- During another preventive check conducted in RAIL AHAR Stall at Platform No. 4-5 of Anand Vihar station on 29/01/2024, Rs. 2000/- was found undeclared Pvt. Cash with waiter.

  DRM/DLI has been advised for taking necessary action against defaulting staff.

B. Store, S&T, Mechanical etc.

(i) Detection of Railway Service Conduct Rule violations

- A complaint against a railway OS was lodged alleging that he violated railway regulations by concurrently working as a boxing coach at a College within Delhi University, receiving a salary for this coaching role. The investigation confirmed that the CO had indeed received a salary as a boxing coach at the college without permission. As a result, it was recommended that the CO be subject to a Major Penalty for the violations related to his coaching activities at the Delhi University College.
- During investigation of a complaint against a Tech-I Mech in DSL/Shed/SSB, for engaging in the business of supplying manpower alongside his government job was substantiated. The complainant provided evidence, including payment records and communications, to support the allegations. The CO admitted to having contracts with private companies for supplying manpower, receiving commissions ranging from 2% to 5%. He had been earning up to Rs. 6000 per month through this activity since 2018. He acknowledged his lack of awareness regarding railway conduct rules that prohibit such outside employment. As a result, a Major Penalty action recommended against him.

(ii) Detection of irregularities in delivery of scrap through e-auction

- A preventive check was conducted at store depot JAGADHARI WORKSHOP on 28.08.2023 regarding the delivery of scrap through e-auction. When the vigilance team entered in depot, the weights of the trucks were already recorded by delivery team. In the presence of vigilance team the weights of the trucks were again recorded at the 40 MT & 100 MT weighbridge inside stores depot to cross check the weights. The weight of trucks was again verified at outside weighbridge (Non Railway)

  It was found that the weight was 7.5 MT, 2.5 MT extra as compared with depot weighbridge in two of three trucks. This indicated selective manipulation of weight in scrap delivery. Hence, another check was conducted on 01.09.2023, in association with the independent inspection/ testing agencies, suggested by weight and measurement department, in the presence of all concerned parties. During check load cell connecting wire in the 40 MT weighbridge and 100 MT weighbridge was found tempered at store depot, Jagadhari Workshop. A small external device/chip was also found at the wire connected to the load cell inside both weighbridge control rooms. The case is very grave in nature and many Railway officials without side agencies may be involved. Hence case was handed over to CBI with the approval of General Manager/NR for further investigation.

(iii) Detection of irregularities in in scrap delivery

- A preventive check in Delhi/GZB area revealed irregularities in scrap delivery. During check Vigilance team observed that three truck were inside the loco shed for delivery of scrap and one truck bearing similar number UP14KT-9645 and same owner was outside the electric loco shed. It was observed by the team that backside number plate was painted in such a way that last digit i.e. 6 can be interpreted 5 as well as 6. Therefore the lorry appeared to be suspicious. One truck not stopped at Dharamkanta, for weighment, where usually all scrap trucks were being weighted and on which weighment was done by shed staff in morning. The team followed it but the driver fled, leading to its seizure. During re-weighment, significant weight discrepancies were found in the seized truck. All trucks were held by the vigilance team and handed over to RPF. A case has been registered under RP(UP)Act against the delivery team by RPF/GZB. 10 persons were arrested by RPF in the case.

1.3.9 SYSTEM IMPROVEMENTS

- Vigilance recently conducted a drive to inspect the quality of cables used by Electrical General Services & Construction for various purposes. The irregularities detected during the check were appraised to CVO/RITES. Accordingly, the RITES QA division has issued the following Systemic improvements in the inspection of cables:-

  - Length of cable shall be measured by unwinding the sampled drums, before start of conductor resistance test carefully and all measuring devices (including measurement counter) involved in measurement of cable length shall be verified by Inspecting Engineers (IEs) to ensure correct functioning of devices.
  - All Inspection Regions have been advised to make arrangement to purchase Micro Ohm meter with valid calibration certificates and make available to IEs who are carrying out inspection of cables. All the IEs who are conducting inspection of cables have been advised to measure conductor resistance test on randomly selected drums as per specification with their own Micro Ohm meter to avoid manipulation by supplier.
  - The IEs must apply Holograms at both ends on the insulation of the cable. No tape should be applied on the Holograms to avoid manipulation.

- **System Audit Report on Northern Railway Medical Services:** The Vigilance department has encountered various cases related to procurement, quality control, and accountability of medicines, the referral process to private hospitals, contract management, medical certifications and examinations, issues related to medical de-categorization and malingering. Through investigations into these cases, it has become evident that there are systemic issues at various levels that require comprehensive attention and may have implications across India. Therefore, this thorough audit of the medical department has been initiated to address these issues and propose systemic improvements.

  This comprehensive vigilance audit of medical department is aimed to examine and evaluate the various aspects of delivery of services by medical department with following clear objectives.

  - Effectiveness, Efficiency and transparency of the centralised drug procurement and quality assurance systems over Northern Railways.
  - Effectiveness, Efficiency and transparency in management of local drug procurements by Central/Divisional Hospitals.
  - Effectiveness, Efficiency and transparency in the process of empanelment and referral to private hospitals.
  - Identification of system level issues in medical reimbursements.
  - Identification of system level issues in medical de-categorization and medical examinations.

- Presence of adequate infrastructure and resources for delivery of medical services.

During vigilance checks, uncovered various irregularities in the Financial & Manpower expenditure, procurement of medicines and disposal of surplus stock, availability of drug storage facilities, quality management, adequacy in drug analysis and stock verification, delay in procurement and other quality related issues. Medical examination and Certification, reimbursement procedure, including improper record-keeping, incorrect claims, excessive payments, and disregard for guidelines and suggested various corrective actions likes: Review of system of medical reimbursement to private Hospitals, Review of drug procurement policy (Inspection and Registration of firms), Centralised Procurement of drugs through Pradhan Mantri BharatiyaJanaushadhiPariyojana (PMBJP), Implementation of Proper storage condition of medicines, Proper scrutiny of bills as per CGHS norms etc.

- **Supplementary Audit Report on RDI:** In view of fuel being a major component of working expenses on Indian Railways and recent incidences of suspected organized pilferage of railway diesel oil a system study of the Rail Diesel Installations (RDIs) on NR was carried out with para-wise recommendations to the executives based on study parameters.

  It is very welcoming that work has been carried out by the executive departments to overcome the deficiencies as reported by vigilance department and some of the recommendations are still under stage of execution. The supplementary report is drafted to take stock of the activities initiated to overcome the deficiencies and list out the items still requiring attention for execution.

  Based on the data related to action taken by executive departments it has been observed that action has been initiated for about 14 out of 21 recommendations and proposals have been sent to Railway Board for issue of necessary guidelines.

  It has also been observed that a close monitoring is required in various works such as

  - Joint inspections have been carried with oil companies to eliminate infrastructural deficiencies at RDI's which require close monitoring so that the work is completed within PDC.
  - A special drive has been initiated to review of the system of accountal of fuel issued to shunting locomotives by the executive department. The study is required to be monitored so that it can be completed at the earliest.
  - Replacement of defective fuel flow meter about 123 out 341 is being done on target basis which is required to be monitored.

  Corrective actions is also expected for various recommendations

- New JPO in line with latest Oil industry transport discipline (OITD) guidelines
- Centralized indents for RDI's.
- Joint signatures on trip cards .
- Issue of independent CLI working at RDI's.
- Calibration of fuel tanks and dip tapes.
- Review of extant instructions for fuelling based on price of fuel in different states be reviewed in view of recent changes in the fuel pricing policy.

Executive Department is advised to persue Railway Board and CRIS for the following recommendations:-

- To persue oil companies to achieve the facilities at par with TFM RDI's.
- JPO as prepared by Dy.CEE/Chg & Dy.CEE/O&F prepared and submitted to Rly Bd & CRIS vide letter no. 3-Elect./5/TL/HCPC-XVII dt. 06.11.23 may be chased up with Rly Bd & CRIS so that updations as proposed are implemented at the earliest.

➢ A case investigated by the vigilance department which is governed by GCC-2018, the contract signing authority has granted time extension under clause 17-B of GCC-2018 without imposing any liquidated damages.

As per GCC-2014, granting time extension under clause 17-B is permitted with a levy of token penalty but as per the GCC-2018 and its subsequent editions such provisions have been withdrawn and if time extensions are being granted under clause 17-B the liquidated damages must be imposed.

Time extensions are still being granted in older ways. Therefore, PHOD has been requested for issuance of necessary instructions down the line.

➢ During preventive check at the TTE lobby of a station to assess absenteeism among Train Ticket Examiners (TTEs), a concerning practice was identified. It was observed that TTEs were sharing their identification and password information, leading to proxy attendance being marked during sign-on/off to conceal their absence. To address this irregularity and ensure a more robust monitoring system, it is suggested that biometric authentication be introduced. This proven method, already in use for Train Managers and Loco Pilots during sign-on/off processes, can significantly enhance security and accountability.

Furthermore, to streamline the integration of this new security measure, it is recommended to make the biometric feature compatible with the Hand Handling Terminals (HHT) software.

Implementation of this suggestion will not only enhance transparency and eliminate proxy attendance but also mitigate the risk of trains being unmanned.

➢ During a study conducted to check the misuse of duty-pass by on-board maintenance staff in Vande Bharat (Train No. 20171/20172) for a 4 month period, it

was noticed that C&W as well as Electrical staff nominated for the maintenance of the train, were booking seats in Chair Car for their travel. For the four month period of study, a total of 83 seats were found booked.

As per guidelines issued by Railway Board vide letter No. RBE/136/2022, dated 28.10.2022, minimum entitlement to book tickets or travel on duty pass in CC of Vande Bharat Trains, is that an employee must be in pay level 6 (GP-4200) or above of 7th CPC. However, in the present case, all the maintenance staffs who had booked their tickets were in lower than pay level 6.

Earlier a similar case was registered by NR Vigilance in Train No. 22436 NDLS-BSB Vande Bharat express. PCME office/NR was requested to provide local guidelines if any in this regard. In their reply they mentioned that rake of Vande Bharat train is different from traditional LHB rake of Shatabdi trains where power car exists. However there is no power car in Vande Bharat rake, therefore the staff is booking tickets.

Reply received from PCME/NR was insufficient to draw a logical conclusion, as in addition to on-board C&W and electrical staff, there are other staffs like Ticket checking staff, RPF staff, Catering staff and OBHS staff who are deployed to work on-board. Except ticket checking staff, no seat or space is earmarked for any of these mentioned staff. Even for ticket checking staff too, seats are sometimes earmarked lesser than to the number of staff deputed to work on-board.

As is apparent from the above discussion, it is imperative that clear guidelines may be issued for officials who are nominated for duty in the Vande Bharat trains. This will not only bring about clarity in using their special card pass but also prevent its misuse.

- During vigilance drive undertaken to check subletting of Railway Quarters it was noticed that during investigation most of the COs denied constructing any unauthorized structure in their allotted quarter and shifted the blame to the concerned SSE/W stating that the construction was already available when the occupant moved in. When questioned, the SSE/W also denied the existence of any unauthorized construction prior to occupation.

  In view of enhancing transparency and accountability following system improvements is suggested to Pr. CE/NR:

  - At the time of occupation, the SSE/W should mention clearly in the allotment letter that the quarter allotted is free of any unauthorised construction and that at a later date if any construction is found, the allottee will be held responsible for the same.
  - Further, the allottee should provide a declaration stating that they will not sublet the quarter/house allotted to them.

- Employees should acknowledge that it is their responsibility to ensure that no subletting occurs during their stay. Any violation of this declaration will result in D&AR action against the employee.
- Employees should declare that they will not make any alterations or encroachments to the existing structure of the quarter/house allocated to them.

Employees should acknowledge that they will be held fully responsible for any such unauthorized acts during their stay.

- During the investigation of a case into cancer quota misuse, various deficiencies were observed by Northern Railway Vigilance for which the following recommendations are suggested for system improvement:

1. **Maintain a List of Approved Hospitals:** The railway should compile and maintain a comprehensive list of hospitals where cancer treatment is available. This list should be regularly updated and accessible to relevant departments.
2. **Provide Hospital details on Certificates:** Hospitals issuing cancer concession certificates should provide the name and designation of the doctor or administrator responsible for issuing the certificate. This ensures accountability and facilitates verification.
3. **Integration with CRIS for Data Verification:** Data collected by zonal railways regarding cancer patients and their concessions should be shared with the Centre for Railway Information Systems (CRIS). CRIS can then upload this information into the Passenger Reservation System (PRS) to ensure that tickets are only issued to passengers with valid certificates from approved hospitals.
4. **Issuance of Patient I-Cards**: Hospitals should issue I-Cards to cancer patients containing essential details such as Aadhaar number, photograph, and a registered mobile number. These I-Cards should be mandatory for patients during the reservation process at PRS counters.
5. **OTP-based Reservations Linked to Aadhaar:** Consideration should be given to implementing OTP-based reservations linked to Aadhaar for patients availing cancer concession certificates. This adds an additional layer of authentication and reduces the risk of fraud.
6. **Verification of I-Cards during Journey:** Patients should be required to present their I-Cards to checking staff on the train during the journey. This ensures that only legitimate concession holders are availing the benefits.

These recommendations, if implemented will strengthen the system for availing cancer concessions, reduce the risk of misuse, and ensure that the intended beneficiaries receive the support they require.

CENTRAL PLANNING CELL

1.4.1 About the Department

Central Planning Cell conducts work studies of various departments over Northern Railway with a view to effect savings in expenditure through reduction in manpower. Work Studies are also conducted to improve and modify the system.

1.4.2 Highlights of the Year

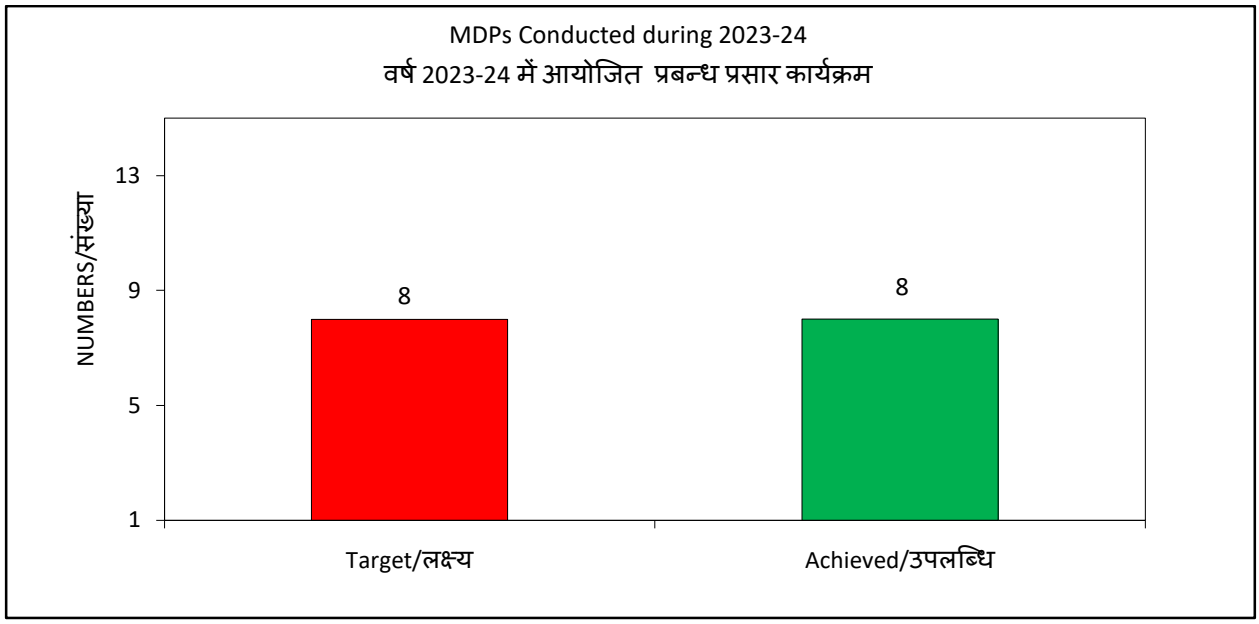
Central Planning Cell conducts work studies of various departments over Northern Railway with a view to effect savings in expenditure through reduction in manpower. Work Studies are also conducted to improve and modify the system. The Central Planning Cell has achieved a distinction of outstanding performance during the year 2023-24. As a result of which 22 no. of work studies were conducted during this period and a total surrender of 1381 posts of various categories of staff were achieved with a monetary savings of ₹ 63.16crores.

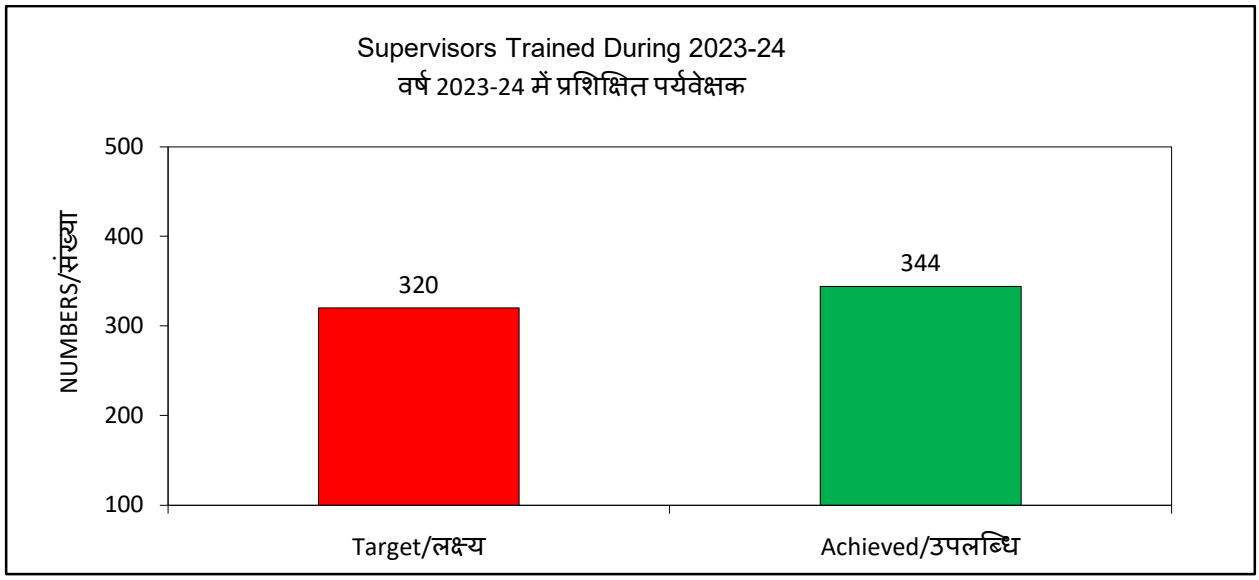
The Central Planning Cell also conducts Management Development Programmes for Senior Supervisors/Sr. Group 'C' staff of all departments. The Management Development Programme was first time introduced on N.Rly. inAug 1985. It is a five day programme and is conducted at various locations like Lucknow, Shimla, Dharampur, Mussoorie, Delhi etc. for ease of participants. During the course, senior officers of the rank of HAG/SAG/JAG delivered lectures and interacted with the participants. The topics covered in MDP are such that these enhance the managerial skill, develop positive attitude and helps to improve manpower productivity as well as updating the knowledge of participants. At the end of this programme, there is provision for obtaining written feedback from participants on the topic covered, quality of lectures and suggestions for making the course more useful. In the FY 2023-24, total 08 MDP's were conducted and 344 participants of different departments had attended this programme.

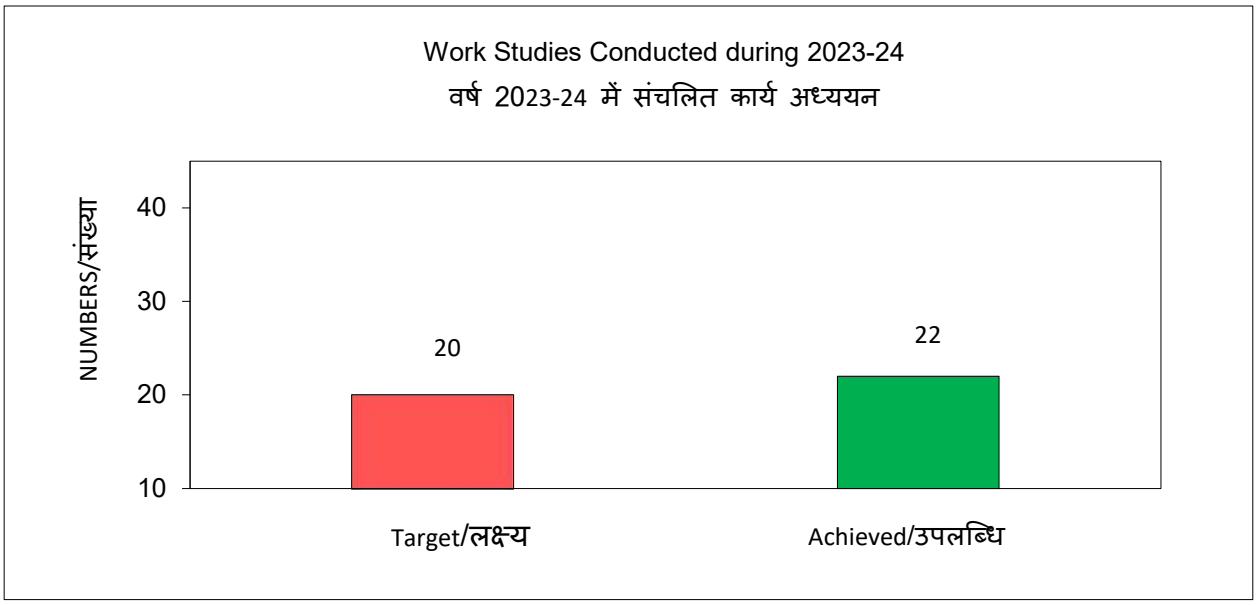
1.4.3 Yearly Performance of Central Planning Cell

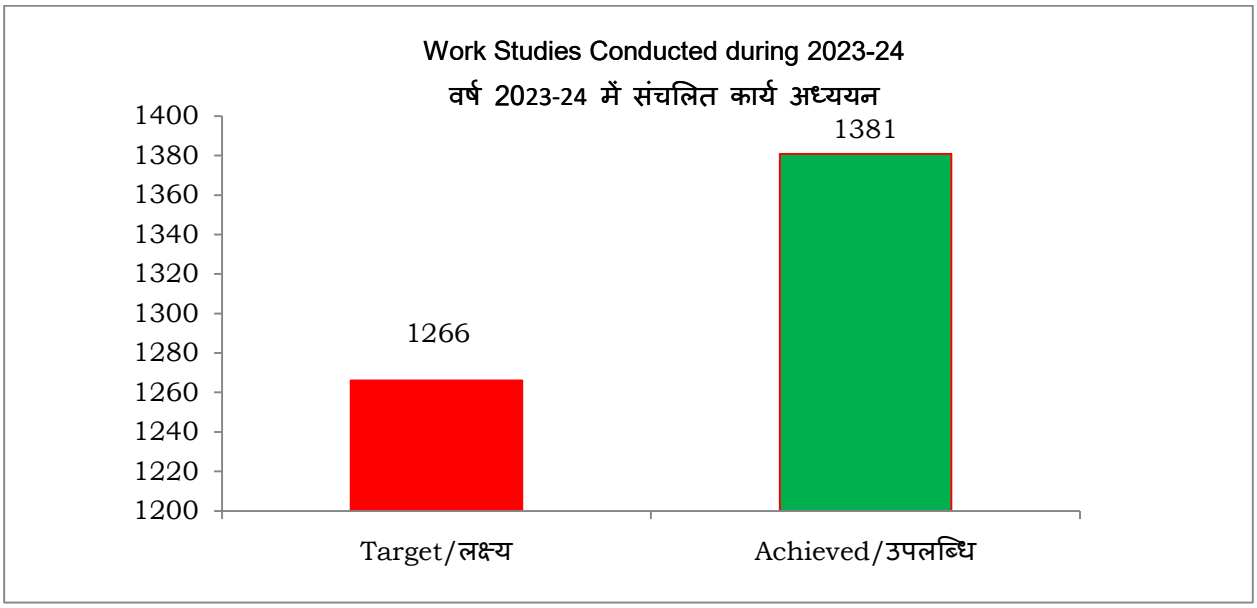
SNo	Item No.	Target for 23-24	Performance					Best Ever	
			19-20	20-21	21-22	22-23	23-24	Figure	Year
1	No. of work studies	20	36	26	26	30	22	36	2019-20
2	Vetted saving (in crore)	55	74.63	63.12	90.14	78.96	63.16	90.14	2021-22

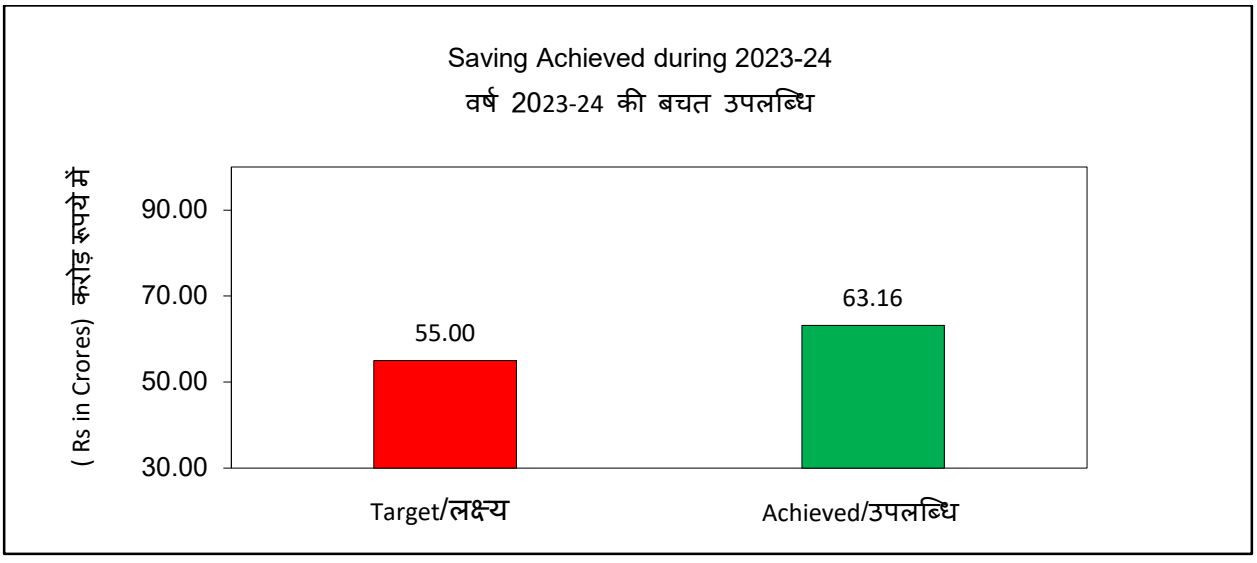
3	Manpower surrender (in nos)	1266	1575	1951	2026	2036	1381	2036	2022-23
4	MDP conducted (in nos)	8	8	8	8	8	8	8	2023-24
5	No. of supervisors trained	320	396	354	361	381	344	396	2019-20






Work Studies Conducted during 2023-24
वर्ष 2023-24 में संचलित कार्य अध्ययन
NUMBERS/संख्या
40
30
20
10
20
22
Target/लक्ष्य
Achieved/उपलब्धि


Work Studies Conducted during 2023-24
वर्ष 2023-24 में संचलित कार्य अध्ययन
1400
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1266
1381
Target/लक्ष्य
Achieved/उपलब्धि


Saving Achieved during 2023-24
वर्ष 2023-24 की बचत उपलब्धि
(Rs in Crores) करोड़ रुपये में
90.00
70.00
50.00
30.00
55.00
63.16
Target/लक्ष्य
Achieved/उपलब्धि

1.5.1 राजभाषा की प्रगति

उत्तर रेलवे ने सरकारी कामकाज में सभी स्तरों पर राजभाषा हिंदी की उत्तरोत्तर वृद्धि के लिए सतत प्रयास किए हैं। परिणामस्वरूप, उत्तर रेलवे पर राजभाषा के प्रयोग में अत्यधिक प्रगति हुई है।वर्ष 2023-24 के दौरान राजभाषा विभाग, गृह मंत्रालय, भारत सरकार द्वारा निर्धारित लक्ष्य प्राप्त करने के हर संभव प्रयास किए गए। हिंदी में कार्य करने हेतु महाप्रबंधक महोदय द्वारा प्रधान कार्यालय के सभी अधिकारियों/कर्मचारियों को व्यक्तिश: आदेश जारी किए गए।

विभिन्न क्षेत्रों में राजभाषा के प्रगामी प्रयोग की स्थिति इस प्रकार है:

अनुवाद एवं प्रकाशन

राजभाषा विभाग द्वारा वर्ष के दौरान, महाप्रबंधक की निरीक्षण रिपोर्ट, वार्षिक रिपोर्ट, सभी विभागों के कागजात, जेड.आर.यू.सी.सी बैठकों की कार्यसूची/कार्यवृत्त, पीसीडीओ जैसे नेमी प्रकार के अनुवाद तथा विभिन्न विभागीय परीक्षाओं के प्रश्न-पत्र, यूडीएम, ई-बिल और वारंटी प्रबंधन प्रणाली का अनुवाद, अनुशासन एवं अपील नियम का अनुवाद, सतर्कता बुलेटिन, प्रशस्ति-पत्र, प्रेस विज्ञप्तियां, परिचालन विभाग के प्रश्न बैंक एवं निविदा सूचनाओं का अनुवाद, उत्तर रेलवे पर स्थायी समिति के श्रीनगर, जम्मू, देहारादून और ऋषिकेश के अध्ययन दौरे संबंधी अनुवाद किए गए।

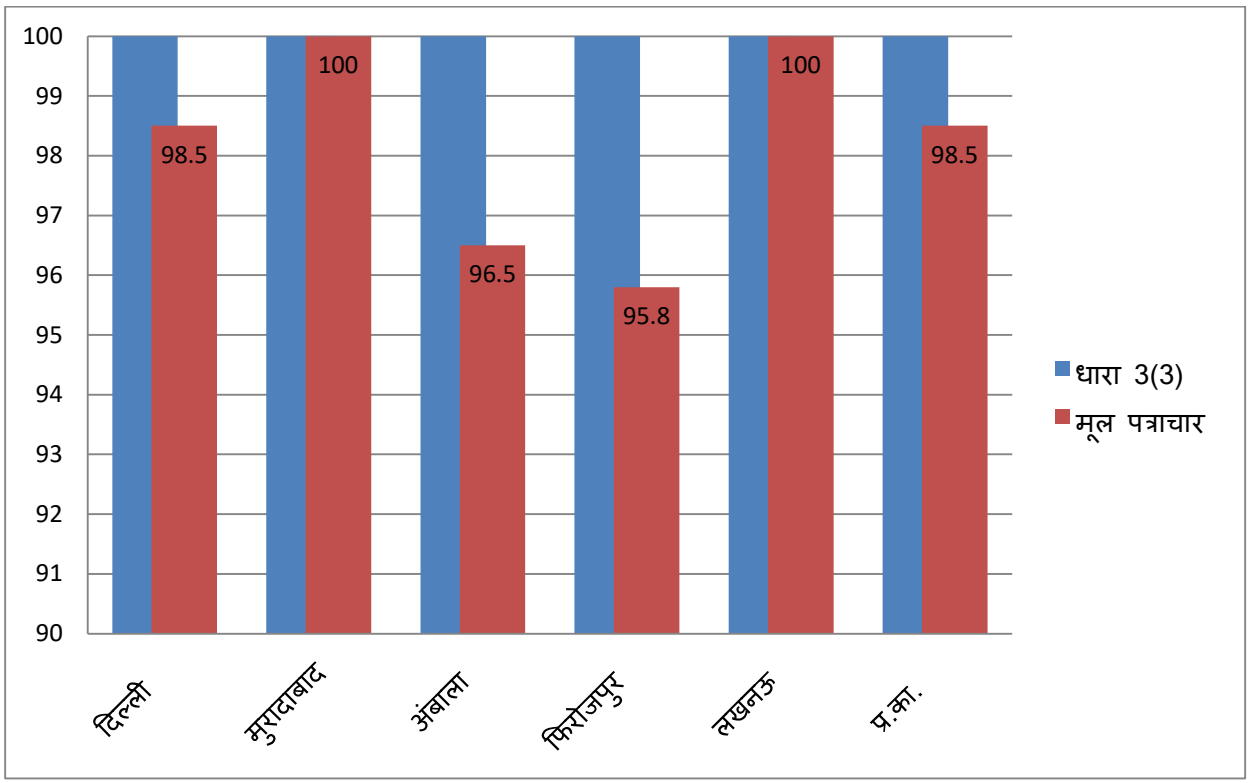
वर्ष 2023-24 के दौरान राजभाषा विभाग, उत्तर रेलवे द्वारा प्रधान कार्यालय से 'सरस्वती संगम', लखनऊ मंडल से 'सारंग', फिरोजपुर मंडल से अमृत दर्पण', मुरादाबाद मंडल से 'अभिव्यक्ति' व निर्माण संगठन से 'नवकृति' नामक पत्रिकाओं का प्रकाशन किया गया।

राजभाषा अधिनियम, 1963 की धारा 3(3)

उत्तर रेलवे पर **राजभाषा अधिनियम, 1963 की धारा 3(3)** के अनुपालन में सामान्य आदेश, परिपत्र, कार्यालय आदेश, अधिसूचनाएं, प्रेस विज्ञप्तियां, संविदाएं, करार, लाइसेंस, परमिट, टेंडर के फार्म और नोटिस, संकल्प, नियम, संसद के एक या दोनों सदनों में प्रस्तुत सरकारी कागज-पत्र(रिपोर्ट के अलावा), संसद के एक या दोनों सदनों में प्रस्तुत प्रशासनिक और अन्य रिपोर्टें हिंदी व अंग्रेजी में जारी की गईं।

हिंदी में मूल पत्राचार

वर्ष 2023-24 में उत्तर रेलवे पर **मूल पत्राचार 98.28 प्रतिशत** रहा । राजभाषा अधिनियम-1963 की धारा 3 (3) और मूल पत्राचार की स्थिति निम्न चार्ट में दर्शाई गई है :



स्टेशन संचालन नियम

उत्तर रेलवे पर सभी **748 स्टेशन संचालन नियम** द्विभाषी हैं ।

कोड/नियमावली

उत्तर रेलवे पर प्रयोग में लाई जा रहे सभी **47 कोड/नियमावली** द्विभाषी हैं ।

राजभाषा कार्यान्वयन समितियां

उत्तर रेलवे पर कुल **108 राजभाषा कार्यान्वयन समितियां** गठित हैं। इनकी प्रत्येक तिमाही में बैठक आयोजित की जाती है तथा बैठकों में रेल कार्यालयों में राजभाषा प्रगति की स्थिति की समीक्षा की जाती है और प्राप्त सुझावों को कार्यान्वित किया जाता है।

श्री शोभन चौधुरी, तत्कालीन महाप्रबंधक, उत्तर रेलवे क्षेत्रीय राजभाषा कार्यान्वयन समिति की दिनांक 18-09-2023 को प्रधान कार्यालय में आयोजित बैठक को संबोधित करते हुए।		श्री शोभन चौधुरी, तत्कालीन महाप्रबंधक, उत्तर रेलवे क्षेत्रीय राजभाषा कार्यान्वयन समिति की दिनांक 18-09-2023 को आयोजित बैठक में पुरस्कार वितरण करते हुए।

हिंदी पुस्तकालय व वाचनालय

उत्तर रेलवे पर कुल **90 हिंदी पुस्तकालय व वाचनालय** हैं। इन पुस्तकालयों का संचालन सुचारु रूप से चल रहा है।

हिंदी कार्यशालाओं का आयोजन

वर्ष 2023-24 के दौरान उत्तर रेलवे पर **कुल 121 हिंदी कार्यशालाओं** का आयोजन किया गया जिसमें 2479 अधिकारियों/कर्मचारियों को प्रशिक्षण प्रदान किया गया।

राजभाषा पखवाड़ा

उत्तर रेलवे प्रधान कार्यालय में दिनांक 04.09.2023 से 18.09.2023 तक राजभाषा पखवाड़ा का आयोजन किया गया। दिनांक 04.09.2023 को हिंदी निबंध प्रतियोगिता तथा हिंदी टिप्पण एवं प्रारूप लेखन प्रतियोगिता, दिनांक 05.09.2023 को हिंदी वाक् प्रतियोगिता, दिनांक 06.09.2023 को हिंदी प्रश्नोत्तरी प्रतियोगिता, दिनांक 11.09.2023 को कंप्यूटर पर हिंदी टाइपिंग प्रतियोगिता, दिनांक 12.09.2023 को अधिकारियों के लिए प्रश्नोत्तरी प्रतियोगिता

आयोजित की गई। दिनांक 13.09.2023 को हिंदी साहित्यकार रामधारी सिंह दिनकर जी की जयंती मनाई गई। दिनांक 14 सितंबर,2023 को महाप्रबंधक का हिंदी दिवस संदेश ऑनलाइन जारी किया गया। दिनांक 18-09-2023 को राजभाषा विभाग द्वारा पुस्तक प्रदर्शनी लगाई गई जिसका महाप्रबंधक महोदय द्वारा उद्घाटन किया गया, जिसकी सभी ने सराहना की। दिनांक 18.09.2023 को महाप्रबंधक महोदय की अध्यक्षता में उत्तर रेलवे क्षेत्रीय राजभाषा कार्यान्वयन समिति की बैठक आयोजित की गई। बैठक से पूर्व राजभाषा पखवाड़ा के दौरान आयोजित विभिन्न प्रतियोगिताओं के 68 विजेताओं को तथा वर्ष के दौरान हिंदी में सर्वश्रेष्ठ कार्य करने के लिए 25 कर्मचारियों को महाप्रबंधक पुरस्कार प्रदान किए गए।

इसी प्रकार उत्तर रेलवे के सभी मंडलों, कारखानों, मंडलेतर कार्यालयों एवं निर्माण कार्यालय द्वारा भी सितंबर, 2023 माह में राजभाषा पखवाड़ा का उत्साहपूर्वक आयोजन किया गया।

दिनांक 22.03.2024 को रेलवे बोर्ड राजभाषा कार्यान्वयन समिति की बैठक में उत्तर रेलवे को 2022 के दौरान हिंदी में उत्कृष्ट कार्य करने के लिए प्रथम पुरस्कार के रूप में रेल मंत्री राजभाषा शील्ड प्रदान की गई।		दिनांक 18.09.2023 को राजभाषा विभाग द्वारा लगाई गई पुस्तक प्रदर्शनी में उपस्थित तत्कालीन महाप्रबंधक एवं अन्य अधिकारीगण।

उपलब्धियां

- संसदीय राजभाषा समिति की दूसरी उप समिति द्वारा दिनांक 22.05.2023 को अमृतसर स्टेशन और फिरोजपुर मंडल कार्यालय, दिनांक 15.05.2023 केन्द्रीय अस्पताल, दिनांक 26.05.2023 को देहरादून स्टेशन, दिनांक 22.06.2023 को लखनऊ मंडल कार्यालय, दिनांक 23.06.2023 को सवारी डिब्बा कारखाना, आलमबाग लखनऊ और मुख्य परियोजना प्रबंधक कार्यालय, लखनऊ, दिनांक 03.10.2023 को शिमला स्टेशन और सोलन स्टेशन, दिनांक 04.10.2023 को पुल कारखाना, जलंधर छावनी, अंबाला मंडल कार्यालय, कालका

वर्कशॉप, और मुख्य क्षेत्रीय प्रबंधक कार्यालय, लुधियाना का निरीक्षण किया गया। उक्त निरीक्षण बैठकों में उत्तर रेलवे प्रधान कार्यालय से मुख्य राजभाषा अधिकारी एवं उपमहाप्रबंधक/राजभाषा ने सहभागिता की।

- महाप्रबंधक महोदय की अध्यक्षता में दिनांक 19.06.2023, 18.09.2023, 22.12.2023 एवं 19.03.2024 को उत्तर रेलवे क्षेत्रीय राजभाषा कार्यान्वयन समिति की बैठक आयोजित की गई।
- उप महाप्रबंधक/राजभाषा ने दिनांक 08.05.2023 को निजामुद्दीन स्टेशन और वहां स्थित हिंदी पुस्तकालय का निरीक्षण किया एवं पाई गई कमियों को दूर करने हेतु निर्देश भी दिए।
- दिनांक 05.06.2023, 06.06.2023 एवं 08.06.2023 को प्रधान कार्यालय स्तर पर हिंदी निबंध, टिप्पण एवं प्रारूप लेखन तथा वाक् प्रतियोगिताओं का आयोजन किया गया।
- उप महाप्रबंधक/राजभाषा की अध्यक्षता में प्रधान कार्यालय में दिनांक 04.07.2023 को क्षेत्रीय हिंदी निबंध, दिनांक 05.07.2023 को क्षेत्रीय हिंदी टिप्पण एवं प्रारूप लेखन, दिनांक 06.07.2023 को क्षेत्रीय हिंदी वाक् प्रतियोगिता का आयोजन किया गया।
- दिनांक 07.07.2023 कोउप महाप्रबंधक/राजभाषा द्वारा दिल्ली मंडल के हिंदी पुस्तकालय एवं कार्मिक शाखा का राजभाषा संबंधी निरीक्षण किया गया। दिनांक 11.07.2023 को प्रधान कार्यालय के चिकित्सा विभाग, दिनांक 12.07.2023 को प्रधान कार्यालय के लेखा विभाग का राजभाषा संबंधी निरीक्षण किया गया। दिनांक 13.07.2023 को प्रधान कार्यालय के सामान्य एवं सतर्कता विभाग के कर्मचारियों के लिए राजभाषा नियमों की जानकारी संबंधी कार्यशाला का आयोजन भी किया गया।
- उप महाप्रबंधक/राजभाषा की अध्यक्षता में दिनांक 31.07.2023 को मुंशी प्रेमचंद की जयंती का आयोजन किया गया, इसमें प्रेमचंद जी की पुस्तकों पर पीपीटी के माध्यम से एक रोचक प्रश्नोत्तरी श्रोताओं के समक्ष प्रस्तुत की गई, जिसमें सभी कर्मचारियों ने बढ़-चढ़ कर भाग लिया। इस आयोजन में दिल्ली विश्वविद्यालय के प्रोफेसर डॉ. पूरन चंद टंडन ने प्रेमचंद जी के साहित्य पर व्याख्यान दिया।
- उप महाप्रबंधक/राजभाषा ने दिनांक 08.08.2023 को प्रधान कार्यालय के कार्मिक विभाग, दिनांक 09.08.2023 को प्रधान कार्यालय के भंडार विभाग, दिनांक 10.08.2023 को प्रधान कार्यालय के सुरक्षा विभाग, दिनांक 18.08.2023 को ईएमयू कार शेड, गाजियाबाद का राजभाषा संबंधी निरीक्षण किया। साथ ही, ईएमयू कार शेड कार्यालय की राजभाषा कार्यान्वयन समिति की बैठक में सहभागिता भी की। दिनांक 25.08.2023 को रेल भर्ती बोर्ड चंडीगढ़, रेल दावा अधिकरण चंडीगढ़ न्यायपीठ एवं चंडीगढ़ रेलवे स्टेशन एवं चंडीगढ़ रेलवे स्टेशन स्थित हिंदी पुस्तकालय का निरीक्षण किया। दिनांक 24.08.2023 को नगर राजभाषा कार्यान्वयन समिति की बैठक में ऑनलाइन भाग लिया तथा दिनांक

28.08.2023 को केन्द्रीय चिकित्सालय, नई दिल्ली में आयोजित राजभाषा कार्यशाला में व्याख्यान दिया।

- उप महाप्रबंधक/राजभाषा ने दिनांक 19.10.2023 को प्रधान कार्यालय के वाणिज्य विभाग का, दिनांक 20.10.2023 मुरादाबाद स्टेशन स्थित हिंदी पुस्तकालय एवं मुरादाबाद मंडल कार्यालय की कार्मिक एवं रेल सुरक्षा बल शाखा का राजभाषा प्रगति संबंधी निरीक्षण किया।
- उप महाप्रबंधक/राजभाषा ने दिनांक 22.11.2023 को प्रधान कार्यालय के बिजली विभाग एवं दिनांक 23.11.2023 को दावा कार्यालय, नई दिल्ली का राजभाषा संबंधी निरीक्षण किया।
- उप महाप्रबंधक/राजभाषा की अध्यक्षता में दिनांक 05.12.2023 को प्रधान कार्यालय में सीपीआर विषय पर तकनीकी गोष्ठी आयोजित की गयी। दिनांक 05.12.2023 को उत्तर रेलवे के सभी वरिष्ठ एवं कनिष्ठ अनुवादकों के लिए कार्यशाला का आयोजन किया। उप महाप्रबंधक/राजभाषा ने दिनांक 05.12.2023 को निर्माण कार्यालय की राजभाषा कार्यान्वयन समिति की बैठक में सहभागिता की।
- दिनांक 21.12.2023 को उप महाप्रबंधक/राजभाषा ने नगर राजभाषा कार्यान्वयन समिति की बैठक में ऑनलाइन सहभागिता की।
- महाप्रबंधक द्वारा दिनांक 30.01.2024 को उत्तर रेलवे की राजभाषा पत्रिका सरस्वती संगम का ऑनलाइन विमोचन किया गया।
- उप महाप्रबंधक/राजभाषा की अध्यक्षता में दिनांक 10.01.2024 को विश्व हिंदी दिवस के अवसर पर प्रधान कार्यालय में कवि सम्मेलन का आयोजन किया गया, जिसमें उत्तर रेलवे के विभिन्न कार्यालयों से आए रेल कर्मचारियों ने सहभागिता की।
- दिनांक 22.03.2024 को रेलवे बोर्ड राजभाषा कार्यान्वयन समिति की बैठक में उत्तर रेलवे को 2022 के दौरान हिंदी में उत्कृष्ट कार्य करने के लिए प्रथम पुरस्कार के रूप में रेल मंत्री राजभाषा शील्ड प्रदान की गई। इसके अलावा रोलिंग स्टॉक वर्कशॉप(कैरिज एंड लोको), चारबाग लखनऊ को वर्ष 2022 के दौरान हिंदी में उत्कृष्ट कार्य करने के लिए आदर्श कारखाना के रूप में रेल मंत्री राजभाषा शील्ड एवं नकद पुरस्कार प्रदान किया गया।
- उप महाप्रबंधक/राजभाषा ने दिनांक 07.03.2024 को वाराणसी स्टेशन एवं दावा कार्यालय, वाराणसी तथा वाराणसी स्टेशन स्थित हिंदी पुस्तकालय का निरीक्षण किया। दिनांक 08.03.2024 को रोलिंग स्टॉक वर्कशॉप(कैरिज एंड लोको), चारबाग लखनऊ का भी राजभाषा संबंधी निरीक्षण किया।

1.6.1 PARTICIPATION OF RAILWAY EMPLOYEES IN MANAGMENT

PREM Group of Zonal and Divisional level has been functioning to facilitate effective participation of workers in the management. Broadly, the functions include:

- To evaluate the functioning of Railway and exchange data and ideas on ways and means for improving the efficiency and viability of the enterprise.
- To apprise the investment programmes, particularly in regard to housing and other welfare services.
- To identity areas and devise action-oriented methods for maximizing organizational effectiveness, the use of technology and towards building up the image of the Railways as a service organization.
- To facilitate effective and meaningful participation of Railways employees in the management process.
- To give them a sense of involvement and pride in the organisation's works.
- To discuss and identify the measures for improving the quality of service to the rail passengers and safety of operations.

The staff matters including those which come within the preview of "Permanent Negotiating Machinery" and "Joint Consultative Machinery" are not normally discussed in the PREM Meeting.

At the Zonal Railway level & Divisional level, the groups consist of four representatives each from the recognized Unions and two representatives each from NROA, NRPOA and NRPFA. General Manager is the Chairman of the Group and All PHODs are the members of the Group. At the Divisional level, DRM is the Chairman and branch officers are members of this Group. Dy.GM/G is the Secretary of the group at Headquarters level and Sr.DPO is the Secretary of the group at Divisional level. The meetings of Zonal and Divisional PREM are held once in a quarter.

The numbers of PREM meetings held at Zonal/Divisional level of this railway during the year 01.04.2023 to 31.03.2024 are given below-

		No. of Meetings	Date of Meeting	Remarks
ZONAL LEVEL	-	Nil	Nil	--
DIVISIONAL LEVEL				
DLI	-	Nil	Nil	--
FZR	-	Nil	Nil	--
LKO	-	01	28.03.2024	--
MB	-	Nil	Nil	--
UMB	-	Nil	Nil	--

1.6.2 Railway User's Consultative Committee

Zonal Railway User's Consultative Committee and Divisional Railway User's Consultative Committee, Northern Railway.

These committees are consultative in character. The object is to provide more frequent opportunities for consultation on matters relating to the service provided by Railways and devising ways & means of effecting improvement.

The Zonal Railway User's Consultative Committee at Headquarter level was constituted for the term from 01.04.2023 to 31.03.2024 and the Divisional User's Consultative Committee on various Divisions of Northern Railway were constituted for the term from 01.04.2023 to 31.03.2024.

In addition to the frequent informal meetings, the number of formal meetings of the ZRUCC and DRUCCs of various Divisions held during the year are indicated below-

MEETING		Date
ZRUCC	-	Nil
DRUCC		
DELHI	-	31.08.2023
AMBALA	-	20.11.2023
FIROZPUR	-	VC meeting on 15.06.2023 & 25.10.2023
MORADABAD	-	25.04.2023, 25.08.2023 & 20.12.2023
LUCKNOW	-	20.12.2023

लेखा
ACCOUNTS

General Manager's Annual Narrative Report 2023-24

महाप्रबंधक की वार्षिक वर्णनात्मक रिपोर्ट 2023-24

CHAPTER – II

2.1 About the Department

- The Accounts department is headed by Principal Financial Advisor (Pr. FA).
- The Accounts Department is mainly responsible for :-
  - i) Keeping the accounts of the Northern Railway in accordance with the prescribed rules.
  - ii) Internal check of transactions affecting the receipt and expenditure of Northern Railway.
  - iii) Prompt settlement of proper claims against Northern Railway.
  - iv) Tendering, as part of its important functions, advice to the administration whenever required or necessary in all matters involving Railway finance.
  - v) Compilation of budgets in consultation with other departments and monitoring the budgetary control procedures as may be laid down in the relevant orders and Code rules from time to time.
  - vi) Generally discharging other management accounting functions such as providing financial data for management reporting, assisting inventory management, participation in purchase/contracting decisions and surveys for major schemes in accordance with relevant rules and orders.

2.2 Highlights of the year

Statement showing the changes in forms and classification during 2023-24

Corr. Slip No.	**Particulars**	**Old classification of method of accounts**			**New classification of method of accounts**			**Primary Unit**	**Reference Authority**
		Minor Head	sub Head	Detailed Head	Minor Head	Sub Head	Detailed Head		
1	2	3	4	5	6	7	8	9	10

- Changing in forms of accounting introduced during the year 2023-2024 are as under:
- Changes in classification introduced during the year 2023-2024 are as under: -

RBA NO 11/2023

Sub: Procedure for raising of Bulk Order debits in respect of Rolling Stock funded from other than EBR-IRFC.

Please refer to Board's letter ibid regarding transfer of debits for EBR-IRFC funded Rolling Stock directly by the Manufacturing /Procuring Railways and Production Units every month by issuing GST invoice against the allotted Railways. The allotted Railways claim credit towards these debits from PAO/RB, who maintain centralized Deposit Accounts of IRFC deposits.

However, the manufacturing/ procuring Railways and PUs are raising bulk order debits (Other than EBR-IRFC) to Railway Board (BO branch) and the later pass it on to the allottee railways as the budget thereto is allotted to the allottee railways. While the rolling stock is directly transferred to the allottee railways, the corresponding debits routed through Railway Board are sent twice in a year. It has, therefore, been decided that w.e.f. April/ 2023, the Manufacturing/Procuring Railways and PUs shall transfer these debits directly to the allottee Railways (instead of BO branch of Railway Board) so that concurrent accountal thereof is made in the books of allottee Railways. The allottee Railways shall accept debits so raised by manufacturing/ procuring Railways and PUs and will also maintain a register to record cost and running balance against each RSP item. As in case of EBR-IRFC funded Rolling Stocks items. It will facilitate Railways/PUs to reconcile physical stock with debits received on actual basis and monitor budget utilization on monthly basis.

Further, the allotee Railways and Manufacturing/Procuring Railways and PUs shall prepare statement. separately for EBR-IRFC items & non-IRFC items of Railways Board RSP and send the same to Railway Board for information within 10 days of accounts closing in required format (Annexure-A' & Annexure-B') as under:

I. For EBR- Funded Rolling Stock- Director/RS (Budget), JDF/IL&F, DFA, DFB. PAO/RB
II. For Other than EBR-IRFC funded Rolling Stock- Director/ RS(Budget). DFA, DFB

To facilitate generation of the MIS & other statement through system, a new utility is under development in CRIS and instructions in this regard will be issued separately. In the meantime, necessary statements/ record may be prepared/ maintained manually.

RBS NO 13/2023

Sub: Accountal of expenditure incurred projects covered under 'Sovereign Green Bonds'.

Please refer to Budget Directorate's letter No. 2022-B-116/1 dated 31.03.2023 regarding FME 2022-23, wherein a new fund source Sovereign Green Bonds has been introduced to finance Capital Expenditure of the Railways under Plan Head 2100 and 8100. The provision of funds for projects covered under SGF has also been made during the current fiscal. Accordingly, a new source of Fund has been introduced in Railway Accounts and also IPAS for booking of expenditure on projects/ items to be funded through Sovereign Green Bond Fund as under:-

source	Proposed
SOVERIGN GREEN BOND	35 XXXX XX

Since the expenditure under these items already stand booked under Source 20-Capital by the Zonal Railways, necessary rectification in source of fund for expenditure

incurred for items mentioned under Budget Directorate's letter referred ibid may kindly be done as under:

Capital (5002) 20 XXXX XX	(-) Dr
To 35 XXXX XX (SGF)	(+)Dr

However, transfer of funds from MH 5002/03-Capital outlays on Commercial/ Strategic Lines to Sovereign Green Fund (MH 8235) will be done at Railway Board level, as is being done in case of RRSK.

RBA NO 15/2023

Sub: Requirement to file form GSTR-9 and GSTR-9C for FY 2021-22 (discharging of outstanding liability.)

Attention is invited to Board's letter ibid where in it was advised that MOR, being a department of the Central Government whose books of account are subject to audit by the C&AG shall NOT be required to furnish FORM GSTR-9 and FORM GSTR-9C for FY 2021-22 and onwards.

In this connection, Central Railway has sought for clarification regarding discharging of outstanding liability. For this purpose, DRC 03 may be filed on the GST portal to discharge any outstanding GST liability by selecting the relevant section on CGST Act, 2017 and the reason for filing DRC 03. The Railways/PUs may also consult their local GST consultant for this exercise.

This disposes off Central Railway's letter No. No. AC/HQ/3317/GST corres/2023-24 dt 17.4.23

RBA NO 16/2023

Sub:- Disbursement of Railway Pension through Private Sector Banks.

Please connect Board's letters cited above conveying the preparedness of Axis Bank and HDFC Bank for processing of e-PPOS issued by Railways. Now, ICICI Bank has also confirmed that the bank has completed all technical modalities in this regard. Railway Pensioners can now opt for drawl of pension from ICICI Bank.

RBA NO 17/2023

Sub: Amendment to turnover threshold for e-invoicing under GST

The circulars cited above brought out provisions under GST concerning applicability of e-invoicing along with the allied mechanism being followed in respect of inward supplies of Indian Railways (i.e. Business-to-Business supplies). Recently, Central Board of Indirect taxes and Customs vide Notification No. 10/2023 Central Tax dated 10th May 2023, has further reduced the hitherto turnover threshold from INR 10 Crores to INR 5 crores for applicability of e-invoicing with effect from 1st August 2023.

Thus, pursuant to said amendment, with effect from 1st August 2023, all suppliers (i.e. registered persons under GST) of Indian Railways (excluding notified exempted categories) having aggregate turnover more than INR 5 crores in any preceding Financial

Year from 2017-18 onwards, shall mandatorily issue e-invoice having QR Code embedding IRN and requisite particulars against all taxable supplies being made to Indian Railways.

Considering that any document issued by notified persons for e-invoicing becomes valid only with a QR Code (encompassing IRN and requisite particulars), the existing mechanism followed for e-invoicing such as obtaining declarations etc. needs to be followed for documents for inward supplies from suppliers falling under the revised applicability of e-invoicing with effect from 1st August 2023.

In line with the change in turnover limits concerning applicability for e-invoicing for notified persons, the adherence to e-invoice on documents (i.e., invoices, credit notes and debit notes) for inward supplies of Indian Railways over forthcoming tax periods needs to be verified as under:

- For documents dated FY 2021-2022 that are received in instant FY or period thereafter:

E-invoicing is applicable for suppliers having aggregate turnover more than INR 50 crores in any preceding FY starting from 2017-18.

- For documents pertaining to FY 2022-23 and for the period 01st April 2022 to 30th September 2022.

E-invoicing was made applicable for suppliers having aggregate turnover more than INR 20 crores in any preceding FY starting from 2017-18.

- For documents pertaining to FY 2022-23 & 2023-24 for the period of October 2022 to 31st July 2023.

E-invoicing is applicable for suppliers having aggregate turnover more than INR 10 crores in any preceding FY starting from 2017-18.

- For documents pertaining to FY 2023-24 and for the period 01st August 2023 or

thereafter e-invoicing is applicable for suppliers having aggregate turnover more than INR 5 crores in any preceding FY starting from 2017-18.

Thus, the mechanism brought out vide RBA cited above may be followed accordingly. Additionally, the declarations concerning applicability of e-invoicing stands amended to incorporate revised turnover threshold.

CRIS may effectuate requisite modifications in various application groups such as IPAS, IREPS etc. in line with said amendment. All Zonal Railways/Production Units may issue necessary instructions to all concerned personnel in respect of aforementioned changes in law in consultation with their GST consultants and ensure compliance.

RBA NO 18/2023

Sub: Action points for Special All India GST drive against fake registration.

Central Board of Indirect Taxes and Customs (CBIC) have announced a special drive to combat fake GST registrations and fraudulent passing of input tax credit (ITC). The drive will be conducted from 16th May to 15th July 2023. GST Network will identify fraudulent GSTINs for State and Centre tax authorities based on the data analytics and risk parameters. This drive will be conducted by State and Central tax administration in coordination with each other.

Accordingly, it may please be noted that Railways shall ensure the following:

1. **Documentation:** Keep the copies of the Latest GST registration Certificate, Aadhar & PAN Card of Primary Authorized Signatory, Rent Agreement (wherever applicable) of Principal as well as Additional place of business (PPOB/APOB), Electricity Bills, Purchase and Sale Bills etc.
2. **Display:** Further, Railways shall also ensure display of GSTIN Certificate of Railways at a prominent place inside the Railway premises, and also exhibit GSTIN at the Entry of PPOB as well as APOB along with the name and address in GSTIN Certificate.
3. **GST Returns Information:** Railways in consultation with GST consultants shall keep and maintain GST returns related information that was received from CRIS/Velocis at the time of filing of the periodical GST returns.
4. **Review Profile details:** Railways in consultation with GST consultants may review and update the profile details (such as Email Id, phone No., authorized signatory, principal and additional place/s of business (addresses) etc.) on the GST portal and if needed the same shall be updated.

Other required necessary compliances may also be reviewed in consultation with the Zone's GST consultants. The above instruction may be brought to the notice of all the Officers/Staff of Zonal Railways/Production Units/Extra-Divisional Offices to ensure strict GST compliances.

RBA NO. 19/2023

Sub:- Applicability of GST on Deposit Works

A reference from Northern Railway has been received on the applicability of GST and treatment of ITC on Deposit Works executed by Railways and with respect to similar works executed by other Governments/PSUs for Railways against advances paid to them. The matter has been examined. The clarification on the queries is as follows:

	ISSUE	**CLARIFICATION**
1	Taxability of Transaction	Vide S. No. 6, 7 and 8 of notification no.12/2017 Central Tax Rate, supply of works contract service by IR is liable to GST, except when provided to the following persons i.e., supply of works contract service by IR to the following persons is exempt from levy of GST

		• Another Central Government, State Government, Union territory or local authority • Non- business entities • Business entity with an aggregate turnover of up to such amount in the preceding FY as makes it eligible for exemption from GST registration. Further, vide S. No. 5 of notification no. 13/2017 - Central Tax (Rate), supply of works contract service by IR is liable to GST under reverse charge mechanism (RCM).The supply of works contract services by IR on Deposit Work basis is liable to GST under reverse charge unless exempted from levy of GST (i.e., where the depositing firm falls in the above list of recipients).
2	Raising of tax invoice to the Depositing firm: Time of issue of invoice	Wherever the supply of works contract services in the manner as at (1) above, is taxable, IR will be required to issue a Tax Invoice. Time of issue of invoice shall be based on contractual conditions. The issue of invoice shall be on the due date of payment wherever the due date of payment is ascertainable from the contract. However, where the due date of payment is not ascertainable from the contract, the tax invoice shall be issued at the time of receipt of payment by IR. Further, in case the works contract services are exempt, IR will be required to issue a Bill of Supply. However, it may be noted that on receipt of deposit in advance from the depositing firm, IR will be required to issue an advance receipt voucher having prescribed particulars as laid down under the GST law, wherever the issuance of tax invoice/bill of supply is not immediately due. Depositing firm would be liable to pay GST under RCM on such advance paid to IR. If the advance paid is toward GST exempt supply, no GST on the advance needs to be discharged by the depositing firm.

3	Raising of tax invoice to the depositing firm: RCM flagging	The supply of works contract services by IR to the depositing firm is liable to GST under reverse charge unless exempted from levy of GST i.e. when such services are being supplied to another Central Government, State Government, Union territory or local authority, non- business entities and to the business entity with an aggregate turnover of up to such amount in the preceding FY as makes it eligible for exemption from GST registration. IR will be required to issue a Tax Invoice in the CRIS GST manual utility, based On the contractual conditions with RCM as 'Yes' (in case of taxable) or Bill of Supply (in case of exemption), as the case may be, containing all the prescribed particulars.
4	ITC flagging of expenditure incurred for execution of work (payment made to contractor)	Since expenditure incurred by IR is to be used exclusively for supplying works contract service ITC of the same shall not be available. As such outward supply of IR is liable to GST under RCM it is treated as an exempt supply for the purpose of ITC eligibility. ITC flagging of such expenditure shall be T2.
5	Passing of credit to Depositing party against above.	Since no ITC is available to IR hence question of passing credit to Depositing Party does not arise.
6	Applicability of GST when IR is Depositing party with a central state government	Vide S. No. 8 of notification no.12/2017 - Central Tax Rate, supply of services by the Central Government, State Government, Union territory or local authority to another Central Government, State Government, Union territory or local authority is exempt from GST. Such exemption has the following exceptions- • Service by Department of Posts • Service in relation to an aircraft or a vessel • Service of transport of goods or passengers Based on the above exemption entry, it can be said works contract service supplied By Central Government (except Dept. of Post) or State Government to IR is exempt from GST.
7	ITC flagging for payment of GST of GST on such Deposits with Central/State government	Work contract service by Central/State government is exempt from GST. GST not being involved the question of ITC flagging does not arise.
8	Applicability of GST when IR is Depositing party With a PSU	Such supply is liable to GST under forward charge mechanism. IR is recipient.

9	TC flagging for payment of GST on such Deposits with PSU	ITC of works contract services procured for construction of an immovable property is specifically restricted under GST laws except in case the immovable property is in the nature of 'plant and machinery'. The term 'plant and machinery' has been defined to mean apparatus, equipment and machinery fixed to earth by foundation or structural support that are used for making outward supply of goods and/or services and includes such foundation and structural supports but excludes - • Land, building or any other civil structures; • Telecommunication towers; and • Pipelines laid outside the factory premises. Flagging of GST paid by IR would depend on whether the resultant asset is plant or machinery or not. If the asset is plant and machinery then flagging will be C2, if not then T3.

RBA NO 21/2023

SUB: Instructions w.r.t. Input Tax Credit (ITC) flagging of input services, input goods and capital goods for Production Units.

In order to ensure a proper digital system for capturing of GST Input tax Credit, it is important that the ITC flags, which are dependent on the end use of the inward supplies, are correctly captured. For the reference, the flags are explained below

S. NO.	ITC FLAG	DESCRIPTION
1	T1	No ITC (Input goods or services used exclusively for non-business expense)
2	T2	No ITC (Input goods or services used exclusively for supplying exempt goods or services)
3	T3	No ITC (Input goods or services, ITC of which is blocked or restricted)
4	T4	Full ITC (Input goods or services used exclusively for supplying taxable goods or services)
5	C5	Partial ITC (Input goods or services used exclusively for supplying taxable as well as exempt supplies)

Instructions under specific circumstances for the production units with respect to ITC flagging of inward supplies, in case such inward supplies are used in outward supply of goods or services only to Zonal Railways are as under:

S NO	NATURE OF OUTWARD SUPPLY	ITC FLAGGING
1	Intra GSTIN supplies to 1. zonal railways (i.e. supply to same GSTIN) Supply of goods or services to same	1 Input Goods: Used for outward supply of services of goods transportation or transportation of passengers should be flagged as T3.

	GSTIN is not a supply under GST	2 Input services: Used for outward supply of services of goods transportation or transportation of passengers should be flagged as: a. "T4' if are used exclusively for supplying taxable goods or services. b. 'C2' if are used for supplying taxable as well as exempt goods or services. c. "T2' if are used exclusively for supplying exempt goods or services.
2	Intra GSTIN supplies to 1. zonal railways (i.e. supply to same GSTIN) Note: It may please be noted that Inter-GSTIN outward supply of goods by production units shall be treated as supply of services in view of S.No. 1(b) of Schedule II of the CGST Act, 2017 and thus exempt from levy of GST vide S.No. 8 of Notification No. 9/2017- Integrated Tax (Rate).	1 .Input Goods: ITC for purchase of input goods used for inter-state outward supply of goods or services, should be flagged as "T2'. 2. Input services: ITC for purchase of input services used for inter-state outward supply of goods or services, should be flagged as'T2'.

RBA NO 22/2023

Sub: Online compliance pertaining to liability / difference appearing in GSTR- 1 vs GSTR-3B in accordance with Rule 88C of the CGST Rules, 2017.

Rule 88C of the CGST Rules, 2017 inserted vide Notification No. 26/2022 dated 26.12.2022 lays down a procedure for dealing with the difference in tax liability as declared in GSTR-1 with GSTR-3B. The same is as under:

1. Tax liability declared in GSTR-1/IFF shall be compared with tax liability actually paid in GSTR-3B/3BQ for each return period, electronically. In case the declared tax liability exceeds the paid tax liability by a predefined limit, or the percentage difference exceeds the configurable threshold, taxpayer will receive an intimation in the form of DRC-01B Part A (format attached herewith).
2. Taxpayer must file a response using Form DRC-01B Part B(format attached herewith), within a period of seven days. In its response the taxpayer shall either pay the differential tax liability using Form DRC-03, or provide an explanation for the difference, or even choose a combination of both the options.
3. If the differential tax liability remains unpaid within 7 days from the date of intimation (DRC-01B Part-A) and where no explanation or reason is furnished by the defaulting taxpayer or where the explanation or reason furnished by such person is not found to be acceptable by the proper officer, then

    a. GSTR-1/IFF of the subsequent months would be blocked and

b. Recovery proceedings shall also be initiated by proper officer under the relevant provisions of GST Law.

As per the GSTN advisory dated 29.06.2023 an online functionality implementing the above laid down procedure (in Rule 88C) is now live on the GST portal. Further, a detailed manual, offering step-by-step instructions and addressing various scenarios related to the functionality is attached herewith as Annexure.

Needles to mention that all Railways shall ensure that there is no mismatch in the figures furnished in GSTR-1 and GSTR-3B for each return period. In case of any genuine differences, the same shall be backed by bonafide reasons or explanations and a satisfactory reply in this regard shall be filed timely in Form DRC-01B Part-B in consultation with their local GST consultants so as to avoid serious repercussions mentioned in Point 3 above.

RBA 23/2023

Sub: - Review of Accountal of expenditure.

C&AG in a recent Performance Audit Report have observed that there have been several instances of incorrect booking of expenditure by Zonal Railways. It is observed that despite instructions issued from time to time by Railway Board, Zonal Railways and PUS are not taking due care while booking expenditure, leading to instances of misclassification of expenditure.

This deficiency in Railway working shows the Railways in poor light and leads to non-optimum utilization of scarce budgetary resources.

It is requested that a special drive be immediately undertaken to both highlight and educate regarding the need and the mode of correct booking of expenditure to both Revenue and Capital (across both Plan heads and Sources). Steps should also be initiated to identify wrong entries in booking of the expenditure and to rectify the same timely.

In this regard following (if not already done) may be implemented;

i. Effective co-ordination between Executive departments and Accounts to concurrently detect and rectify the mistakes before the close of monthly Account.
ii. Strengthening of internal check mechanisms to identify and address the thrust areas where misclassification occurs.
iii. The preparation of the compendium/check list of the common mistakes/misclassification for guidance of staff to prevent its recurrence.
iv. Optimal use of computerization to reduce manual intervention.

RBA NO 26/2023

SUB: IRFC-GST ISSUES

In the current financial year since there is no Budgetary allocation for meeting expenditure funded by IRFC, Zonal Railways and Production Units must ensure that

existing Vendors of Indian Railways bill IR against the existing contracts. In the past also, Indian Railways have been requesting the Contractors to prepare their invoices based upon the fund availability of the sanctioned Budgetary Allocations.

IRFC vide their recent email message has brought out that there are several instances of Invoices being raised by vendors that are in the name of IRFC and using the IRFC GST credentials. This may result in potential revenue loss for IR. These invoices are getting reflected in the GSTR-2A/2B of IRFC.

Therefore, Zonal Railways/Production Units may conduct an immediate review and take immediate action to obtain a credit note in the name of IRFC and simultaneously, issue a revised invoice in the name of IR, to ensure that the GST is populated in the GST portal of IR.

Action may be taken to ensure that all the procurement made by IR is billed by vendors in the name of the concerned Bill accepting Authorities only, using IR's GST credentials, so that IR continues to avail the Input Tax Credit as available from time to time.

RBA NO 28/2023

Sub:- Mismatch of GST data between GSTR-1 and GSTR-3B.

Based on a reference received from Southern Railway seeking clarification regarding the disparities observed in outward tax liabilities reported in GSTR-1 data and those available in the GSTR-3B filing, a review has been carried out by CRIS and M/s Velocis - (GSP for IR) for the period from April'22 to June '23.

During this review, it was observed that there were instances where some modified invoices were treated as original and vice versa. This resulted in less remittance of GST liability for some states and excess in others. Less remittance of GST liability attracts interest as per GST Act.

The following are the possible reasons for differences between GSTR-1 and GSTR-3B:

1. Invoices rejected during the GSTR-1 filing are counted toward the liabilities during GSTR-3B.
2. Invoices that were rejected earlier when resubmitted in GSTR-1 after their correction are not considered into the tax liabilities in GSTR-3B.
3. Instances where negative liability in a tax component arises due to substantial credit notes or refunds in GSTR-1 which are required to be omitted in GSTR-3B submission and are adjusted in subsequent filings.
4. Deliberate alterations made by Railways in the outward tax liabilities during GSTR-3B filing, as observed in a specific case of Maharashtra state in the June 2022 filing.

As such, all Zonal Railways/PUs are required to take the following course of action:

1. Verify the 3B computation sheets provided by M/s Velocis before their filing.

2. Promptly communicate discrepancies, if any, to CRIS/GSP for corrective action.
3. Inform CRIS & RB about the adjustments, if any, made during GST Returns filing.

In view of the above, Railways must ensure that there are no differences between GSTR-1 and GSTR-3B figures other than for reasons mentioned above. Their GST consultants must verify the computation sheets provided before filing of GSTR-3B, to find any discrepancy in data or calculations, for immediate corrective actions. Reasons for any alteration of data while filing of GSTR-3B should be recorded with clear justification through a report on the GST Manual Utility to be developed by CRI

RBA NO 29/2023

Sub: Strengthening of Internal checking mechanism.

In order to obviate instances of fraudulent payments on salary bills and to strengthen and streamline the existing internal checking procedure, it is reiterated that

1. A periodic report on review of special, intensive check of all imprest accounts by PFAS is mandatory. The check should include whether monitoring and accountal of imprest account is proper; if any payment more than the ceiling amount has been made in imprest account; and no old items are lying in imprest for clearance for want of vouchers.
2. Attention is invited to Board's letter no.2019/ACII/9/9 dated 05.07.2019 (RBA No.54/2019) regarding opening of Bank Accounts (Drawing and Deposit Accounts) by Central Government / Department with accredited Bankers.
3. For faster and transparent accountal of receipts, 100% MERS portal should be used for digitally receiving various items of Miscellaneous Receipts.
4. Attention is invited to Board's letter no. 2018/ACII/25/1 dated 17.05.2018 (RBA No.51/2018) wherein it was advised that IPAS has comprehensive validations / MIS Reports which should be accessed by Personnel and Accounts Department on regular intervals for proper monitoring and to prevent frauds in salary Bills in future.
5. The codal provisions with regard to check of Establishment Charges and also Board's instructions issued vide letter no. 2002/ACII/25/3 dated 15.11.2002 (copy enclosed) on check list for passing of establishment bills to be strictly followed.

RBA NO 31/2023

Sub: Tracking GST Proceedings received at Zonal Railways/Production Units.

It has come to the notice of Board that several proceedings are being received from Central/State GST authorities by Zonal Railways/PUS, followed by Show Cause Notices and Demand Orders. In order to keep track of the stage at which a given proceeding may result in payments to CGST/SGST authorities. A flowchart indicating the stages of Proceedings (Annexure A) and General Instructions for handling these Proceedings (Annexure B) are being shared.

All the notices/proceedings on hand shall be dealt with due diligence, keeping view the Ministry of Railway (MOR) interest. Outcome of the proceedings are potential contingent liabilities of MOR, since payments may have to be made on receipt of Demand

orders. Therefore, necessary projections may be made in the budget for this purpose at the appropriate stage.

Zonal Railways are requested to have a system in place to monitor the GST enquiries and its finalization in a time-bound manner, besides making budgetary projections concurrently.

RBA NO 32/2023

Sub: Outward supply of goods and services of Ministry of Railways earlier under reverse charge changed to forward charge.

Department of Revenue vide its Notification No. 14/2023 - Central Tax (Rate) dated 19-10-2023 and Notification No. 19/2023 - Central Tax (Rate) dated 19-10-2023 (Copies of the notifications attached) has notified that with effect from 20th October 2023 all outward supplies (goods and services) made by Ministry of Railways (Indian Railways) that were earlier covered under reverse charge is converted to forward charge. Therefore, all Zonal Railways and Production Units are now liable to levy GST at appropriate rate under Forward Charge Mechanism w.e.f. 20th October 2023 while issuing GST compliant Tax Invoice to the customer of Indian Railways, and also report the same in the monthly GST Returns. Detailed instructions to regulate the above are being issued shortly. CRIS has also been requested to make necessary modifications in the GST Manual utility and IREPS accordingly. Necessary action may be taken by all the Zonal Railways and Production Units in consultation with the GST Consultants to ensure GST compliance.

RBA NO 33/2023

Sub: Authorization of IDFC First Bank Limited for handling e freight business on behalf of Ministry of Railways and approval of e FPB for collection, settlement and reporting of e-freight collection and allotment of privilege code for settlement with RBI/CAS/Nagpur.

Please find enclosed copies of RBI/ DGBA/ CO.DGBA.GBD.No. $530/47-01-033/2023-2024 dated 21/08/2023 authorizing IDFC First Bank Limited for handling e-freight business on behalf of Ministry of Railways and RBI/ DGBA/ Mumbai's letter no. CO.DGBA. GBD.No./ S590/47-01- 033/2023-2024 authorizing IDFC First Bank Ltd, CMS HUB Branch, navi Mumbai (IFSC: IDFB 0010204) as e-Focal Point Branch for settlement and reporting of e- freight collection on behalf of Ministry of Railways for information and necessary action.

RBA NO 35/2023

Sub: Instructions regarding applicability of | GST under Forward Charge Mechanism for all Outward supplies with effect from 20.10.2023

In the above referred Railway Board Accounts Circular, it was communicated that with effect from 20th October 2023 all the outward supplies (goods and services) made by IR that were earlier covered under reverse charge is converted to forward charge by virtue of CBIC Notification No. 14/2023 - CT (R) and Notification No. 19/2023 - CT (R). The said

change requires amendment in earlier instructions issued vide previous Railway Board Accounts Circulars and the same are hereunder:

S.NO	RBA NO	AMENDMENT
1	RBA NO 67/2017 DATED 07.06.2017	In Annexure-2, description of item at S. No. 26 "*whether taxes paid on* reverse *charge mechanism*", will be marked as "N" w.e.f. 20.10.2023 as all outward supply by IR are under forward charge mechanism.
2	RBA NO 152/2017 DATED 10.2017	Notwithstanding anything contained in contained in the said RBA w.e.f 20.10.2023 outward supply of used vehicles, seized and confiscated goods, old and used goods, waste, and scrap, IR is required to charge GST on the tax invoice (subject to any exemptions under GST provisions), collect the same from its customers and is also liable to pay it to the government exchequer under forward charge. The said invoices shall also be reported under forward charge in the monthly returns.
3	RBA NO 06/2018 Dt. 02.02.2018	Notwithstanding anything contained in the said RBA, w.e.f. 20.10.2023 on outward supply of services by way of renting of immovable property to a person registered under CGST Act, 2017, IR 02.02.2018 is required to charge GST on the tax invoice(subject to any exemptions under GST provisions), collect the same from its customers and is also liable to pay it to the government exchequer under forward charge. The said invoices shall also be reported under forward charge in the monthly returns.
4	RBA NO 27/2018 Dt. 26.03.2018	The RBA discusses flagging of inward supplies as T1, T2, T3, T4 OR C2. Outward supplies covered under RCM are treated as "exempt supply" for the flagging of ITC. Prior to 20.10.2023, tax paid on inward supplies used for the purpose of outward supply under RCM were flagged either as: "T2" if used exclusively for effecting outward supplies which were covered under reverse charge, or "C2" if used for effecting taxable outward supplies and outward supplies covered under reverse charge However, with effect from 20.10.2023, as all the outward supplies have been converted to forward charge hence, the tax paid on inward supplies will be flagged as under: "T4" if used exclusively for effecting taxable supplies and zero- rated supplies or "C2" if used partly for effecting exempt supplies, and partly for effecting taxable supplies or T3" if ITC is ineligible u/s 17(5) of the CGST Act, 2017. Note: It shall be the responsibility of all the zonal railways/production units to correctly flag the tax paid on inward supplies as T1, T2, T3, T4 & C2 in consultation with their respective local GST consultants.
5	RBA NO 26/2021 Dt.	Notwithstanding anything contained in the said circular, all the outward supply of services by IR has been converted to forward charge mechanism. Hence, IR is required to charge GST on the tax invoice

	31.03.2021	(subject to any exemptions under GST provisions), collect the same from its customers and is also liable to pay it to the government exchequer under forward charge. The said invoices shall also be reported under forward charge in the monthly returns.
6	RBA NO 19/2023 Dt. 26.05.2023	Supplies of works contract services on deposit works basis by IR to 19/2023 the deposing firm is now converted to forward charge.. Accordingly IR is required to charge GST on the tax invoice (subject to any 26.05.2023 exemptions under GST provisions), collect the same from its customers and is also liable to pay it to the government exchequer under forward charge. The said invoices shall also be reported under forward charge in the monthly returns.. Inward supplies received by IR for further supplying works contract services on deposit works basis shall be flagged as per the instructions given in S. No. 4.

All the zonal railways and production units shall ensure the compliance of above in consultation with their local GST consultants. In case of any specific issues in implementing the above instructions may be brought to the notice of Railway Board.

RBA NO 37/2023

Sub:- Guidelines for issuing GST invoices for O&M charges against and accounting of GST invoices from SPVs for User SPVs charges.

Railway Board vide above referred letter has advised to SPVs that in terms of ministry of Finance Office Memorandum dated 04.01.2023, it would transfer apportioned revenue to SPVS inclusive of GST starting from FY 20232024. There are two transactions involved.

a. O&M charges payable by SPVS to Railways.
b. User charges payable by Railways to SPVs.

As on date IR is required to raise Tax invoices on its customer under forward charge mechanism. Therefore, all O&M charges recoverable from SPVS on Forward charge Mechanism will attract GST @ 18%. Similarly, SPVS share of apportioned revenue would include an element of 18% GST as clarified by Board vide letter ibid.

Following accounting processes are indicated for immediate implementation

SPV will raise GST compliant Invoice on IR in respect of Apportioned Revenue, which would include GST @ 18%. For example, if apportioned revenue payable to a SPV is Rs. 100/-, the concerned SPV shall raise GST Invoice on the concerned Railway for Rs. 84.75 plus GST @ 18% of Rs. 15.25. Concerned Zonal Railway shall account for this Invoice in IPAS and will use appropriate Input Tax Credit Flags T4' or 'C2' as the case may be.

Accounting Entries shall be as follows:

Expenditure Head	Dr. Rs. 84.75
Misc. Advance (GST)	DR RS 15.25(T4 OR C2 FLAG)
Deposit Misc (SPV)	Cr. Rs. 100/-

Concerned Zonal Railway shall issue GST compliant Tax Invoice on the SPVs for O&M Charges. For example, if Rs. 10/- is recoverable from the SPVs, then IR shall issue GST Invoice with base value of Rs. 10/- plus GST @18% of Rs. 1.80 totaling to Rs. 11.80. Concerned Zonal Railway shall use the CRIS GST Manual utility system to generate Tax Invoice and report the same in the GST Returns.

Accounting Entries shall be as follows:-

Deposit misc. (SPV)	Dr. Rs. 11.80
Deposit Misc. (Outward GST Liability)	Cr Rs 1.80
Relevant Expenditure Head	Cr. Rs 10.00

Basis above, net payment is to be made to SPV which works out to Rs. 88.20-(Rs. 100 Apportioned Revenue- O&M charges of Rs. 11.80.

Accounting entries shall be as follows:-

Deposit misc. (SPV)	Dr. Rs. 88.20 (by clearing Rs.100 ('a' above) and Rs. 11.80 ('b' above).
Cheques and Bills	Cr Rs.88.20

Outward GST liability of Rs. 1.80 as illustrated at (b) above gets offset by Input Tax Credit as brought out at (a) above, while discharging the GST liability by the Principal Railways every month.

It is clarified that:

a. Rate of GST on O&M charges is 18%
b. Invoicing for O&M charges is to be done within 7 days of working out of Apportioned earnings for SPV
c. Payment to SPVS may be made only after SPV issues GST compliant Tax Invoice and after adjusting the O&M charges to be recovered from SPVs.
d. Other Taxes and duties recoveries by IR viz., TDS etc shall be complied with as per statutory requirement.

RBA No. 03/2024

Sub: Introduction of New Primary Units for RSP Items (Bulk Order Expenditure and Non-Bulk Order Expenditure)

Advanced Correction slip No. 03 introducing New Primary Units for RSP and Non-Bulk Order Expenditure) in Railway Finance Code Vol. II (Second Reprint Edition 2022), Classification of Capital and other Works Expenditure (Appendix-II) is enclosed for necessary action.

Contents of the correction slip may please be circulated suitably.

Advanced Correction Slip No. 03

Indian Railway Finance Code Vol. II (Second Reprint Edition 2022) (Classification of Capital and other Works Expenditure (Appendix-II))

Please introduce the following new Primary Units under Works to facilitate proper accountal of RSP items in Classification of Capital and other Works Expenditure (Appendix-II)

PU No. 31 - Railway Board RSP (Bulk Order Expenditure).
PU No. 32- Zonal Railways Itemized RSP (Non-Bulk Order Expenditure).

RBA NO 4/2024

Sub: ACS No_04_ to Indian Railway Financial Code Volume-II

The allocation of expenditure on surveys is governed by the guidelines given in Para 724 of IRFC Volume -I and Explanatory Notes -1110 and 1111, 1112, 1113 of IRFC Volume-II.

The matter has been reviewed and it has been decided by Ministry of Railways to amend Explanatory Notes -1110 and 1111, 1112, 1113. of IRFC Volume-II (regarding allocation of the expenditure on Surveys) as per Advance Correction Slip No. 04 (copy enclosed).

Advanced Correction Slip No.04

Indian Railway Financial Code Volume-II (Reprint Edition 2022 Classification of Capital and Other Works Expenditure (Appendix-II).Please modify Plan Head 1100 as follows.

PLAN HEAD	EXISTING	REVISED
IRFC VOLUME-II EXPLANTORY NOTES-1110	Preliminary expenses of all kinds connected with all surveys including the Final Location Survey of the line, preparation of plants and estimates for the project and administrative and general charges incurred after the abstract estimate of a project is sanctioned and before the work construction is completed are initially charged to '3001- Indian Railways – policy, formulation direction, research and other misc. organizations-surveys' and transferred to this head when the construction of a project has been actually completed. The cost of preliminary expenses connected	Preliminary expenses of all kind connected with all surveys including the final location survey of the line, preparation of plans and estimates for the project and administrative and general charges are initially charged to '3001-Indian Railways policy, formulation, direction, research and other misc. organizations- surveys and transferred to this head when the project is undertaken.

	with extensive altercations to a project requiring the employment of a distinct staff after the general project has been sanctioned or commenced should also be initially charged to '3001- Indian Railways policy, formulation direction, research and other misc. organizations- Surveys and transferred to this head when the project has been completed. The cost of petty alignment etc for which no special staff is engaged should be charged to the estimates for construction. Note. For the purpose of above rule, a construction should be deemed to have been 'completed' when the line is opened for any kind of traffic. The adjustment from "345 Indian Railways Policy Formulation, Direction, Research and other Misc. Organizations- Surveys' to this head should therefore be made in the year in which the line is opened for any kind of traffic.	
IRFC VOLUME II EXPLANTORY NOTES- 1111, 1112, 1113	All preliminary expenses relating to surveys including final location surveys are initially charged to '3001- Indian Railways policy, formulation direction, research and other misc. organizations- Surveys and transferred to this head when the construction of a project has been completed.	All preliminary expenses relating to surveys including final location surveys are initially charged to '3001- Indian railways policy, formulation, direction, research and other misc. organizations- Surveys and transferred to this head when the project is undertaken.

RBA NO 5/2024

Sub: Introduction of New Sub head and Detailed head for accountal of expenditure incurred by Zonal Railways on setting up of Anti- Human Trafficking Units (AHTUS) Scheme of MHA.

Advanced Correction slip no. 05 introducing New Sub head and Detailed head under Existing Minor Head 100 of SMH-10 Abstract N in Railway Finance Code Vol. II (Second Reprint Edition 2022), is enclosed for necessary action.

Advanced Correction Slip No. 05

Indian Railway Financial Code Volume-II (Reprint Edition 2022)

Classification of Revenue Expenditure (Appendix-I)

Please introduce the following new Sub head and Detailed Head under Existing Minor Head 100 of SMH-10- Abstract N:

MINOR HEAD	SUB HEAD	DETAILED HEAD
100 Suspense	140- Expenditure incurred by zonal railways which is to be reimbursed by other ministries.	141- Expenditure incurred on anti human trafficking units (AHUTs) scheme by zonal railways which is to be reimbursed by MHA.

Requested to make necessary modifications in the GST Manual utility and IREPS accordingly. Necessary action may be taken by all the Zonal Railways and Production Units in consultation with the GST Consultants to ensure GST compliance.

RBA NO 33/2023

Sub: Authorization of IDFC First Bank Limited for handling e freight business on behalf of Ministry of Railways and approval of e FPB for collection, settlement and reporting of e-freight collection and allotment of privilege code for settlement with RBI/CAS/Nagpur.

Please find enclosed copies of RBI/ DGBA/CO.DGBA.GBD.No. $530/47-01-033/2023-2024 dated 21/08/2023 authorizing IDFC First Bank Limited for handling e-freight business on behalf of Ministry of Railways and RBI/ DGBA/ Mumbai's letter no. CO.DGBA. GBD. No./S590/47-01- 033/2023-2024 authorizing IDFC First Bank Ltd, CMS HUB Branch, navi Mumbai (IFSC: IDFB 0010204) as e-Focal Point Branch for settlement and reporting of e- freight collection on behalf of Ministry of Railways for information and necessary action.

Para No. 3.02

Financial Results of Working

(figs. in lakhs of Rs.)

Particulars	2022-2023	2023-2024	Increase/Dec.
(A) Coaching Passenger	828748	846857	18109
(B) Other Coaching	92145	107880	15735
(C) Goods	1254729	1099811	-154918
(D) Sundries	61981	99254	37273
Total	**2237603**	**2153802**	**-83801**
Add credits to suspense TA & other Railways	9184528	9378638	194110
Total Gross Receipts	**11422131**	**11532440**	**110309**
Deduct-Debit to suspense TA & Other Railways.	9183352	9377411	194059
Total Gross Receipts	**2238779**	**2155029**	**-83750**

1.Passenger earnings Passenger Earnings has shown an increase of 2.19% in comparison to corresponding period of last year.

2.Other Coaching Other coaching earning has shown an increase of 17.07% in comparison to corresponding period of last year.

3.Goods Goods earning showing a decrease of 12.35% in comparison to corresponding period of last year.

4.Sundry Sundry earning shown an increase of 60.14% in comparison to corresponding period of last year.

Para No. 3.03(A).

Statement of comparative position of the Revised Budget Estimate and Gross Traffic Receipts for the year 2023-24

(Figs in Lakhs of Rs.)

Head of Earnings	Revised Budget Estimates for 2022-2023	Actuals for 2023-2024	Variation between Col. 2&3
1.	2	3.	4.
Passengers	828748	846857	18109
Other coaching	92145	107880	15735
Goods	1254729	1099811	-154918
Sundries	61981	99254	37273
Total Gross earnings	**2237603**	**2153802**	**-83801**
Traffic Suspense	1176	1227	51
Total Gross Receipts	**2238779**	**2155029**	**-83750**

Para No. 3.03(B)

Comparative position of quantum of traffic carried in 2023-24

(figs in Lakhs)

Category	Year 2022-23	Year 2023-24	Variation (Inc / Dec)
Passenger carried	5480	6160	680
Passenger kilometers	932951	1047641	114690
Tonnes Carried	2293	2223	-70
Net Tonnes K.M.	775315	663743	-111572

Para No.3.03(C)

Statement showing comparative position Gross Traffic Receipt for the year 2022-2023 & 2023-2024

(Figs in Lakhs of

Head of Revenue	Actuals for the year 2022-23	Actuals for the year 2023-24	Variation between Col 2 & 3
1	2	3	4
Passengers	828748	846857	18109
Other Coaching	92145	107880	15735
Goods	1254729	1099811	-154918
Sundries	61981	99254	37273
Total Gross Revenue	**2237603**	**2153802**	**-83801**
Traffic Suspense	1176	1227	51
Demand Recoverable	187	12	-175
Total Gross Receipts	**2238779**	**2155029**	**-83925**

1.Passanger earning	Passenger earning shown an increase of 2.19% in comparison to corresponding period of last year.
2.Other coaching	Other coaching earning has shown an increase of 17.07% in comparison to corresponding period of last year.
3.Goods	Goods earning shown a decrease of 12.35% in comparison to corresponding period of last year.
4.Sundry	Sundry earning shown an increase of 60.14% in comparison to corresponding period of last year.

Para No-3.04

Demand No.-3 - General Supdt. and Services

(Figs in Lakhs of Rs)

Main Heads	Total Expenditure 2022-2023	Total Expenditure 2023-2024	Variation Inc/Dec
100-General Management incl. General	5540	6715	1175
200-Financial Management	22292	24210	1918
300-Personnel Management	14865	16341	1476
400-Material Management	15360	15949	589
500-Ways & Works Management	7599	8481	882
600-Rolling Stock Management	4806	4451	-355
700-Electrical Management	3274	3308	34
800-Sig. & Tele-Communication	2753	2735	-18
900-Traffic Management	10492	10301	-191
Total	**86981**	**92491**	**5510**
900-Credits & Recoveries	222	123	-99
Grand Total	**86759**	**92368**	**5609**

Explanation for variation of Working Expenses between the figures for the year 2022-23 & 2023-24 Demand No.03 General Superintendence & Services

	Actuals 2022-23	Actuals 2023-24	Variation (Inc/Dec)
	86759	92368	5609
Increase in Pay, DA & Annual Increments			3774
More Commercial Advertisement & Publicity, Legal Expenses and Misc. Expenses			1175
More contingent expenses			561
Total			**5510**
More Credits & Recoveries			-99
Grand Total			**5609**

Para No. 3.05

Demand No. 4
Repair & Maintenance of Permanent Ways & Works.

(Figs. in Lakhs of Rs)

Main Head	Total Expenditure		Variation Increase/ Decrease
	2022-23	**2023-24**	
100 - Establishment in Offices	12347	12707	360
200 - Maintenance of P.Way.	136104	162853	26749
300 - Maintenance of Bridges Work & Tunnels (incl. Road Over/Under Bridges).	5631	6993	1362
400 – Maintenance of Service Buildings. (Other than colonies, staff quarters & welfare Bldgs).	29084	35306	6222
500 - Water Supply, Sanitation & Road (Other than colonies, staff qrs. & Welfare Buildings).	2312	3065	753
600 - Other Repairs & Maintenance.	1059	1121	62
700 - Special repairs pertaining to breaches, accidents etc. incl. special revenues works.	352	53	-299
Total	**186889**	**222098**	**35209**
900 - Credit & Recoveries	40	182	142
Grand Total	**186849**	**221916**	**35067**

Explanation for variation of Working Expenses between the figures for the year 2022-23 & 2023-24

	Actuals 2022-23	**Actuals 2023-24**	**Variation (Inc/Dec)**
	186849	221916	35067
1. Increase in DA & Annual Increments			360
2. More contractual payment.			34333
3. Decrease in cost of stores.			815
4. Less other works.			-299
Total			**35209**
Less Credit & Recoveries.			142
Grand Total			**35067**

Para No. 3.06

Demand No. 5. Repairs & Maintenance of Motive Power

(Figs. in Lakhs of Rs.)

Main Heads	Total Expenditure		Variation (Inc/Dec)
	2022-23	2023-24	
100 - Establishment in Offices	10018	11068	1050
200 - Steam Power	-1	5	6
300 - Diesel Locomotives	50089	64890	14801
500 - Electric Locomotives	55063	63928	8865
600 - Rail Cars, Ferries, Steamers and other maintenance Expenses.	17	23	6
Total	**115186**	**139914**	**24728**
900 - Credit & Recoveries	83	57	-26
Grand Total	**115103**	**139857**	**24754**

Explanation for variation of Working Expenses between the figures for the year 2022-23 & 2023-24

	Actuals 2022-23	Actuals 2023-24	Variation (Inc./Dec)
	115103	139857	24754
1. More Pay ,DA and contingent expenses			1050
2 More Nos. of POH of Diesel locomotives			14813
3 More POH of Elec. Locomotives & increase in cost of stores			8865
Total			**24728**
Less Credits & Recoveries			-26
Grand Total			**24754**

Para No. 3.07

Demand No.6. Repair & Maintenance of Carriage & Wagons

(Figs. in Lakhs of Rs)

Main Head	Total Expenditure		Variation
	2022-23	2023-24	Inc./Dec
100 - Establishment in Offices	24353	27086	2733
200 - Carriages	102582	120509	17927
300 - Wagons	30702	32729	2027
400 - Electric Multiple unit Coaches	7889	8741	852
500 - Electric Genl. Services Train lighting Fans & Air conditioning	53218	59624	6406
600 - Misc. Repairs & Maint. Expenses.	9	-10	-19
700 - DMU Coaches	16168	19240	3072
Total	**234921**	**267919**	**32998**
900 - Credit & Recoveries	2568	2588	20
Grand Total	**232353**	**265331**	**32978**

Explanation for variation of Working Expenses between the figures for the year 2022-23 & 2023-24

	Actuals 2022-23	Actuals 2023-24	Variation (Inc/Dec)
	232353	265331	32978
1. Decrease in DA & Annual increments and Less Expenditure under TA, OT & other Allow			2733
2. More consumption of material			20806
3. More booking of staff in AC coaches			3072
4. More POH & Special repairs of carriage & wagons			6387
Total			**32998**
Less Credits and Recoveries			20
Grand Total			**32978**

Para No. 3.08

Demand No. 7. Repairs & Maintenance of Plant & Equipments

(Figs. in Lakhs of Rs)

Main Head	Total Expenditure		Variation
	2022-23	2023-24	(Inc/Dec)
100 - Establishment in Offices	15400	17805	2405
200 - Plant & Equip.(Way & Works)	-40118	-42800	-2682
300 - Plant & Equip.(Mech.)	5726	6679	953
400 - Plant & Equip.(Electrical)	35994	41317	5323
500 - Plant & Equip.(Signaling)	37312	39894	2582
600 - Plant & Equip. (Telecom.)	8062	7623	-439
700 - Rental of P&T for Sign. & Tele. Circuits.	2909	2629	-280
800 - Other Plant Equip.(Genl. & Traffic Deptt.)	5895	4996	-899
Total	**71180**	**78143**	**6963**
900 - Credit & Recoveries	99	181	82
Grand Total	**71081**	**77962**	**6881**

Explanation for variation of Working Expenses between the figures for the year 2022-23 & 2023-24

	Actuals 2022-23	Actuals 2023-24	Variation (Inc/Dec)
	71081	77962	6881
1. Decrease in DA & Annual increments			2405
2. Due to more Debits received from stores			-1729
3. More contractual works			5323
4. Spl. works and less repairs			1863
5. Less other expenses			-899
6. Decrease in cost of stores			0
Total			**6963**
Less Credits and Recoveries			82
Grand Total			**6881**

Para No. 3.09

Demand No.8
Operating Expense (Rolling Stock & Equipment)

(Figs. in Lakhs of Rs)

Main Head	**Total Expenditure**		**Variation (Inc/Dec)**
	2022-23	**2023-24**	
100 - Steam Locomotives.	1	0	-1
200 - Diesel Locomotives.	119379	128835	9456
300 - Electric Locomotives.	33589	35117	1528
400 - Electrical Multiple units Coaches.	11	13	2
500 - Carriages & Wagons	31160	38159	6999
600 - Traction (Other than Rolling Stock & Electrical services)	47935	51497	3562
700 - Signaling & Telecommunication.	332	31	-301
800 - Ferry Services & Rail Cars.	94	101	7
Total	**232501**	**253753**	**21252**
900 - Credit & Recoveries	4402	5643	1241
Grand Total	**228099**	**248110**	**20011**

Explanation for variation of Working Expenses between the figures for the year 2022-23 & 2023-24

	Actuals 2022-23	**Actuals 2023-24**	**Variation (Inc/Dec)**
	228099	248110	20011
1. More payment due to Operation of Diesel locomotives, Electric locomotives, yards & sheds			10983
2. Due to More debit received			10563
3. More contractual payments			-294
Total			**21252**
Less Credits and Recoveries			1241
Grand Total			**20011**

Para 3.10

Demand No.9 Operating Expenses (Traffic)

(Figs. in Lakhs of Rs)

Main Head	Total Expenditure 2022-23	Total Expenditure 2023-24	Variation (Inc/Dec)
100 - Establishment in Offices.	1061	1596	535
200 - Station Operation	193763	214696	20933
300 - Yard Operation.	861	940	79
400 - Transshipments & Repaneling Operation			0
500 - Trains Operation.	39350	37530	-1820
600 - Safety.	36	139	103
700 - Misc. Expenses (Others)	195355	272833	77478
Total	**430426**	**527734**	**97308**
900 - Credit & Recoveries	13	1	-12
Grand Total	**430413**	**527733**	**97320**

Explanation for variation of Working Expenses between the figures for the year 2022-2023 & 2023-2024.

	Actuals 2022-23	Actuals 2023-24	Variation (Inc/Dec)
	430413	527733	97320
1. More payments of Pay, DA, OT & Other Allowances			19648
2. More payments debits for IRFA , IRFC etc.			77478
3.Less expenditure relating to container services			182
Total			**97308**
Less Credit & Recoveries			-12
Total			**97320**

Para No. 3.11

Demand No.10 Operating Expenses (Fuel)

(Figs. in Lakhs of Rs)

Main Head	Total Expenditure		Variation
	2022-23	2023-24	(Inc./Dec)
100 - Steam Traction.	0	0	0
200 - Diesel Traction.	200451	200477	26
300 - Electric Traction.	153345	176988	23643
Total	**353796**	**377465**	**23669**
900 - Credit & Recoveries	0	0	0
Grand Total	**353796**	**377465**	**23669**

Explanation for variation of Working Expenses between the figures for the year 2022-23 & 2023-24

	Actuals 2022-23	Actuals 2023-24	Variation (Inc/Dec)
	353796	377465	23669
1 Decrease in cost of Diesel oil HSD & LSD and more expenditure on Freight and Handling charges.			26
2 Less consumption of Electric Current			23643
Total			**23669**
Less Credit & Recoveries.			0
Grand Total			**23669**

Para No. 3.12

Demand No. 11 Staff Welfare & Amenities.

(Figs. in Lakhs of Rs)

	Total Expenditure		Variation
Main Head	**2022-23**	**2023-24**	**(Inc / Dec)**
100 - Educational Facilities.	18799	20347	1548
200 - Medical Services.	55014	65043	10029
300 - Health & Welfare Services.	8829	8437	-392
400 - Canteen & Other Staff Amenities.	742	748	6
500 - Welfare Bldgs. and Repairs & Maint.	16770	16475	-295
600 - Misc. Expenses.	0	0	0
Total	**100154**	**111050**	**10896**
900 - Credit & Recoveries	110	251	141
Grand Total	**100044**	**110799**	**10755**

Explanation for variation of Working Expenses between the figures for the year 2022-23 & 2023-24.

	Actuals 2022-23	**Actuals 2023-24**	**Variation (Inc/Dec)**
	100044	110799	10755
1 More claims of Tuition Fees etc.			1548
2 Increase of cost of medicines, surgical instruments etc.			10029
3 Less Expenses on Sanitation and Maintains of permanent buildings			-687
4 Less payments due to electrical repair & maintenance			6
Total			**10896**
More Credit and Recoveries.			141
Grand Total			**10755**

Para No. 3.13

Demand No.12 Misc. Working Expenses

(Figs. in Lakhs of Rs.)

Main Head	Total Expenditure		Variation (Inc/Dec)
	2022-23	**2023-24**	
100 - Security	97349	114755	17406
200 - Compensation Claims.	6462	6363	-99
300 - Workmens & Other Compensation Claims.	529	719	190
400 - Catering.	12028	12587	559
500 - Cost of Training of Staff.	3183	6016	2833
600 - Other Expenses.	11067	14235	3168
700 - Hospitality & Entertainment Expenses.	7	7	0
800 Contribution to Provident Fund			0
Total	**130625**	**154682**	**24057**
900 - Credit & Recoveries	1	0	-1
Grand Total	**130624**	**154682**	**24058**

Explanation for variation of Working Expenses between the figures for the year 2022-23 & 2023-24

	Actuals 2022-23	**Actuals 2023-24**	**Variation (Inc/Dec)**
	130624	154682	24058
1. More Payments on protection of Railways properties			17406
2. Less compensation claims			-99
3. More Misc. charges including catering charges			3582
4. Less Other Expenses			3168
Total			**24057**
Less Credit & Recoveries.			-1
Grand Total			**24058**

Para No. 3.14

Demand No. 13
Provident Fund, Pension & Other Retirement Benefits

(Figs. in Lakhs of Rs)

Main Head	Total Expenditure 2022-23	Total Expenditure 2023-24	Variation (Inc/Dec)
100 - Superannuation & Retiring Pension	295309	325729	30420
200 - Commuted Pension	46515	44863	-1652
300 - Ex-Gratia Pension.	229	7	-222
400 - Family Pension.	5416	6004	588
500 - Death-cum-Retiring Gratuity.	58491	56184	-2307
600 - Other allow., Other Pension & Other Exp.	8490	10497	2007
700 - Gratuities & Special contribution to P.F.	31821	32566	745
800 - Contribution to P.F.	63905	71936	8031
890-New Pension Scheme			0
Total	**510176**	**547786**	**37610**
900 - Credit & Recoveries	446271	475850	29579
Grand Total	**63905**	**71936**	**8031**

Explanation for variation of Working Expenses between the figures for the year 2022-23 & 2023-24

	Actuals 2022-23	Actuals 2023-24	Variation (Inc/Dec)
	63905	71936	8031
1. More Superannuation & Retiring Pension			30420
2. More Payment of Family Pension and Other Expenses.			588
3. More Commutation Pension.			-1874
4. More Payment of DCRG			-2304
5. More payments of Gratuities			10783
Total			**37610**
More Credit & Recoveries			29579
Grand Total			**8031**

Para 3.15

Operating Ratio.

Operating Ratio for the year 2023-2024 comes to 134.73% as compared to 118.38% during the year 2022-2023.

Para No. 3.16

Statement showing abstract-wise expenditure for the year 2023-24

(Figures in lakhs of Rs)

S.No.	Particulars	2022-23	2023-24	Increase /Decrease
1	A - Genl. Superintendence & Service	86759	92368	5609
2	B - Repair & Maintenance of P.Way & Works.	186850	221916	35066
3	C - Repair & Maintenance of Motive Power	115103	139858	24755
4	D - Repair & Maintenance of Carriage & Wagons	232353	265330	32977
5	E - Repair & Maintenance of Plant & Equipment	71081	77962	6881
6	F- Operating Expenses Rolling Stock & Equipment.	228099	248110	20011
7	G - Operating Expenses Traffic.	430413	527733	97320
8	H - Operating Expenses Fuel.	353796	377465	23669
9	J - Staff Welfare Amenities.	100044	110799	10755
10	K - Misc. Working Expenses.	130624	154683	24059
11	L - Provident Fund, Pension & Other retirement benefits.	505045	544332	39287
12	M - Appropriation to DRF.	18100	20600	2500
13	N - Pension Fund.	631700	593100	-38600
	Total	**3089967**	**3374256**	**284289**

Para No.3.17

Review of Losses of Stores

(Figures in Lakhs of Rs.)

	Fuel	Others	Total
2022-23	0	474	474
2023-24	0	59	59

The above losses are due to:-

1. Theft of Rolling Stock.
2. Theft to Train fitting from the Coaches.
3. Theft on P. Way Materials
4. Losses of Stores in Transit
5. Cross out Accident

Para No. '3.18

Results indicating trend since formation of Northern Railway

(Fig. In lakhs of Rs)

Year	Capital Outlay	Gross Earnings	Inc./Dec. % age Over Prev. Year	Gross Working Expenses	Inc./Dec. % age Over Prev. Year	Net Earnings	Inc./Dec. % age Over Prev. Year	% age return on outlay system
1953-54	13690	4569	0.37	3420	3.96	1140	0.97	8.33
1954-55	14025	4285	-6.22	3517	2.84	768	67.37	5.48
1955-56	14969	5009	16.90	3935	11.89	1074	139.84	7.17
1956-57	16401	5981	19.41	4313	9.61	1168	108.75	7.12
1957-58	18136	6052	1.19	4647	7.74	1414	121.06	7.80
1958-59	20027	6050	-0.03	4776	2.78	1278	90.38	6.38
1959-60	20921	6329	4.61	4950	3.64	1379	107.90	6.59
1960-61	22269	6464	2.13	5275	6.57	1171	84.92	5.26
1961-62	24123	7169	10.91	5895	11.75	1274	108.80	5.28
1962-63	26522	8094	12.90	6326	7.31	1768	138.78	6.67
1963-64	29205	9210	13.79	7000	10.65	2210	125.00	7.57
1964-65	33115	9232	0.24	7739	10.56	1473	66.65	4.45
1965-66	34928	10458	13.28	8592	11.02	1866	126.68	5.34
1966-67	37275	11008	5.26	9513	10.72	1495	80.12	4.01
1967-68	39555	11414	3.69	10358	8.88	1056	70.64	2.67
1968-69	41677	13414	17.52	11188	8.01	2226	210.80	5.34
1969-70	43119	14197	5.84	11848	5.90	2349	105.53	5.45
1970-71	43352	14680	3.40	12463	5.19	2217	94.38	5.11
1971-72	47886	16338	11.29	13432	7.78	2906	131.08	6.07
1972-73	50754	17836	9.17	14884	10.81	2952	101.58	5.82
1973-74	52951	16563	-7.14	16195	8.81	368	12.47	0.69
1974-75	56053	21300	28.60	20191	24.67	1112	302.17	1.98
1975-76	58721	27464	28.94	24946	23.55	2518	226.44	4.29
1976-77	61205	31395	14.31	26582	6.56	4813	191.14	7.86
1977-78	65661	33654	7.20	27525	3.55	6129	127.34	9.33
1978-79	68625	33322	-0.99	29671	7.80	3651	59.57	5.32

1979-80	72738	36760	10.32	35017	18.02	1743	47.74	2.40
1980-81	80386	42386	15.30	41489	18.48	878	50.37	1.09
1981-82	86174	58531	38.09	50702	22.21	7829	891.69	9.09
1982-83	92913	74066	26.54	64168	26.56	9898	126.43	10.65
1983-84	96308	81346	9.83	76292	18.89	4954	50.05	5.14
1984-85	105670	87549	7.63	80984	6.15	6565	132.52	6.21
1985-86	112976	106007	21.08	91543	13.04	14474	220.47	12.81
1986-87	132640	130222	22.84	108910	18.97	21313	147.25	16.07
1987-88	154114	149116	14.51	122331	12.32	26785	125.67	17.38
1988-89	179757	154161	3.38	135569	10.82	18592	69.41	10.34
1989-90	208861	183503	19.03	152916	12.80	30587	164.52	14.64
1990-91	232706	198580	8.22	179029	17.08	19551	63.92	8.40
1991-92	262855	227079	14.35	199469	11.42	27610	141.22	10.50
1992-93	301202	270292	19.03	233576	17.10	36716	132.98	12.19
1993-94	306575	308505	14.14	251532	7.69	56973	155.17	18.58
1994-95	326255	328990	6.64	274851	9.27	54139	95.03	16.59
1995-96	326781	380762	15.74	304801	10.90	75961	140.31	23.25
1996-97	346467	421085	10.59	351752	15.40	69333	91.27	20.01
1997-98	374402	479107	13.78	435845	23.91	43262	62.40	11.55
1998-99	397330	531780	10.99	472199	8.34	59581	137.72	15.00
1999-00	448688	622173	17.00	514369	8.93	107804	180.94	24.03
2000-01	521433	630156	1.28	568336	10.49	61820	57.34	11.86
2001-02	652129	657589	4.35	590650	3.93	66939	108.28	10.26
2002-03	740855	731571	11.25	619191	4.83	112380	167.88	15.17
2003-04	902074	500275	-31.62	453390	-26.78	46885	41.72	5.20
2004-05	835519	534379	6.82	496036	9.41	38343	81.78	4.59
2005-06	997009	631869	18.24	518201	4.47	113668	296.45	11.40
2006-07	425184	675692	6.94	579110	11.75	675692	594.44	158.92
2007-08	442293	695510	2.93	646449	11.63	712208	105.40	161.03
2008-09	233595	748140	7.57	647254	0.12	100886	85.86	43.19
2009-10	373473	876840	17.20	988184	52.67	111344	210.36	29.81
2010-11	516705	977580	11.49	1096806	10.99	119226	106.61	23.07
2011-12	575461	1049845	7.39	1269940	15.79	220095	184.60	38.25
2012-13	659049	1233307	17.48	1395459	9.88	162152	73.67	24.60
2013-14	794147	1500917	21.70	1652768	18.44	-151851	-93.65	-19.12

2014-15	848634	1508549	0.51	1774789	7.38	-266240	175.33	-31.37
2015-16	1628644	1588961	5.33	1826882	2.94	-237921	89.36	-14.61
2016-17	1473089	1626100	2.34	1932574	5.79	-306474	128.81	-20.80
2017-18	798608	1760950	8.29	2061913	6.69	-300963	98.20	-37.69
2018-19	1480209	1642492	-6.73	2167313	5.11	-524821	174.38	-35.46
2019-20	2282567	1295898	-21.10	2005906	-7.45	-710008	135.29	-31.11
2020-21	1824308	1020486	-21.25	1567982	-21.83	-547496	77.11	-30.01
2021-22	3613637	1603645	57.15	2343262	49.44	-739617	135.09	-20.47
2022-23	3637998	2237603	39.53	2648827	13.04	-411224	55.60	-11.30
2023-24	4477214	2153802	-3.75	2901860	9.55	-748058	181.91	-16.71

Para 3.19

Statement of Capital-at-Charge 2023-24

(Figures in Lakhs of Rs.)

The Capital-at-Charge of this Railway stood at the net increment of Rs. 6195372 lakhs

A. The Capital expenditure of Rs Lakhs during the year incurred as :-

1. Construction of New Lines (Plan Head 11)	1351877
2. Gauge Conversion (Plan Head 14)	0
3. Doubling (Plan Head 15)	191520
4.Traffic facilities & Yard remodeling and others (Plan Head 16)	81594
5. Computerization (Plan Head 17)	38477
6. Railway Research (Plan Head 18)	2834
7. Rolling Stock (Plan Head 21)	373619
8 IRFC lease Charges (Plan Head 22)	353911
9 RSW (Unmanned, Plan Head 29)	6437
10 RSW (ROB/RUB, Plan Head 30)	65809
11 Track Renewal (Plan Head 31)	248944
12 Bridge Works. (Plan Head 32)	19463
13 Signalling & Telecommunication. (Plan Head 33)	54267
14 Other Electrical Works (Plan Head 36)	9811
15 Electrical Traction (Plan Head 37)	0
16 Machinery & Plant (Plan Head 41)	3313
17 Workshop Repairs (Plan Head 42)	28645
18 Staff Quarters (Plan Head 51)	6799
19 Amenities for Staff (Plan Head 52)	0
20 Amenities for Passengers (Plan Head 53)	139879
21 Investment in Govt./ Commercial Undertakings (Road Service) (Plan Head 61)	3190937
22 Investment in Govt. Undertakings (Plan Head 62)	0
23 Other Specified Works (Plan Head 64)	11256
24 HRD Training (Plan Head 65)	623
Total	**6180015**
Suspense	15357
Less credit including receipt of Capital A/C	0
Grand Total	**6195372**

Para 3.20

Depreciation Reserve Fund 2023-24

(Figures in Lakhs of Rs)

The details of expenditure on Renewal & Replacement from the Fund are given below:-

1. New Lines	0
2. Gauge Conversion	0
3. Doubling	0
4. Traffic Facilities & Yard remodelling and others	244
5. Computerization	426
6 Railway Research	1219
7.Rolling Stock	563
8. Bridge Works	201
9. Signalling & Telecommunication	0
10. Track Renewal	0
11. Other Elect. Works	233
12. Machinery & Plant	1397
13. Workshop Incl. Production Units.	1124
14. Staff Quarters	781
15. Amenities for Staff	0
16. Amenities for Passengers	83
17. Other Specified Works	415
18.HRD/Training	7
Total	**6693**
Less credit for released Material	858
Net Withdrawals	**5835**

Para No. 3.21

Open Line Works Revenue 2023-24

	(Figs in lakhs of Rs)
1. Staff Amenities	0
2. Traffic facilities	0
3. Staff Quarters	0
4. Computerization	0
5. Workshop	0
6. Railway Research	0
7. Signalling	0
8. Other Works	0
9. Other Electrical works	0
10. M. Plant	0
11. Passenger Amenities	0
12. Bridge works.	0
Total	**0**

Remarks:- OLWR has been closed

Para No. 3.22

Development Fund 2023-24

	(Figs in lakhs of Rs)
Passengers welfare works and other Railway user works(DF-I)	7964
Labour/Staff Welfare works costing (DF-II)	2019
Un-remunerative works (DF-III)	16133
Safety Works(DF-IV)	73
Total	**26189**

Para.No. 3.23

Schedule of Expenditure for the Year 2023-24 Under Plan Head Development Fund

(Figures in Lakhs of Rs.)

	Items Particular	2023-24
1	Traffic Facilities- Yard Remodeling	2276
2	Computerization	15533
3	Railway Research	1615
4	Bridge Works	0
5	Signalling & Telecommunication Works	0
6	Other Electrical Works	394
7	Electrical Traction Works	0
8	Machinery & Plant	463
9	Workshops including Production Works	455
10	Staff Quarters	1635
11	Amenities for Staff	0
12	Passengers Amenities	2577
13	Other Specified Works	974
14	Rolling Stock	0
15	HRD / Training	266
	Total	**26188**

Fig in Lac

STATEMENT No 3.24 OF WORKS EXPENDITURE (DEMAND NO.16) FOR THE YEAR 2023-2024

SUB-HEAD OF DEMAND		CAPITAL	DRF	DF-I	DF-II	DF-III	DF-IV	SAFETY FUND	RRSK	CAPITAL COVID	SGF	CAPITALN	TOTAL
11. NEW LINES	(VOTED)	137298						1212144					1349442
11.NEW LINE (CONSTRUCTION)	(CH)	2387						48					2435
14. GAUGE CONVERSION	(VOTED)	0											0
14.GAUGE CONVERSION (CH)	(CH)	0											0
15. DOUBLING	(VOTED)	190797											190797
15. DOUBLING	(CH)	723											723
16.TRAFFIC FACILITIES-YARD REMODLING	(VOTED)	68102	244	244		2032			10971				81593
16.TRAFFIC FACILITIES-YARD REMODLING	(CH)	0											0
17.COMPUTERISATION.	(VOTED)	22518	426	4431		11102							38477
17.COMPUTERISATION.	(CH)												0
18.RAILWAY RESERCH.	(VOTED)	0	1219		501	1114							2834
18.RAILWAY RESERCH.(CH)	(CH)	0											0
21 ROLLING STOCK	(VOTED)	303976	563						12070		57010		373619

22 ROLLING STOCK (Lease Charge)	(VOTED)	353911											353911
29.RSW LXING.	(VOTED)							6410	27				6437
30.ROAD SAFETY	(VOTED)							41271	24538				65809
30.ROAD SAFETY (CH)	(CH)								0				0
31.TRACK RENEWALS.	(VOTED)							213941	35003				248944
31.TRACK RENEWALS.	(CH)												0
32.BRIDGE WORKS.	(VOTED)		201					610	18652				19463
33. SIGNALLING & TELECOM WORKS	(VOTED)	16885							37382				54267
33. SIGNALLING &	(CH)	0											0
TELECOM WORKS													0
36.OTHER ELECTRIC WORKS	(VOTED)	5282	233			394			3780				9689
36.OTH ELECT WORKS (CH)	(CH)	0							122				122
41.MACHINERY & PLANT	(VOTED)	1128	1398	208	4	249	2		324				3313
37.TRACTION DISTRIBUTION	(VOTED)												0
42.W/SHOPNCL.PROD.UN	(VOTED)	24255	1124	94	7	282	72		2811				28645
42.W/SHOP INCL. PROD. UN	(CH)	0											0
51.STAFF QUARTERS	(VOTED)	4382	781	179	1456								6798
51.STAFF QUARTERS (CH)	(CH)	0											0
52.AMENITIES FOR STAFF	(VOTED)	0											0

52.AMENITIES FOR STAFF (CH)	(CH)	0											0
53.PASSANGER AMENTIES	(VOTED)	132336	83	2577	0	0			4882				139878
53.PASSANGER AMENTIES (CH)	(CH)	0											0
61.INVESTMENT IN GOVT. COMM.	(VOTED)	3190937											3190937
UND.-ROAD SERVICES													
63. COML. U/TAKING													0
64.OTHER SPECIFIC WORKS	(VOTED)	6921	415	211	51	712			2651			295	11256
64.OTHER SPECIFWORK (CH)	(CH)	0											0
83.New LINE CONST (CH)	(CH)												0
83-NEW LINE CONT (DIV FREE)													0
65-HRD /TRAINING	(VOTED)	18	7	19		247			332				623
65-HRD /TRAINING	(CH)												0
TOTAL FINAL HEAD INCLUD.													
TOTAL	(VOTED)	4458746	6694	7963	2019	16132	74	1474376	153423	0	57010	295	6176732
	(CH)	3110	0	0	0	0	0	48	122	0	0	0	3280
(DETAIL ATTACH) R.D.S.O.		0	1219	0	501	1114	0	0	0	0	0	0	2834
TOTAL EXCLUDING R.D.S.O.		4458746	5475	7963	1518	15018	74	1474376	153423	0	57010	295	6173898
TOTAL EXCLUDING CHARGED		3110	0	0	0	0	0	48	122	0	0	0	3280
==========													

SUSPENSE HEAD		CAPITAL	DRF	DF-I	DF-II	DF-III	DF-IV	SAFETY FUND	RRSK	CAPITAL FUND		CAP ITAL N	TOTAL
D E B I T													
71. PURCHASE.		292153											292153
SALES.		103967											103967
													0
STORES.		372287											372287
													0
72. W/SHOP SUSPENSE		244813											244813
Other MGF.SUSPENSE.		94											94
													0
73. MISC. ADVANCE		23037											23037
MTP /Railways		0											0
TOTAL-DEBIT SUSPENSE.		1036351											1036351
VOTED.													0
CHARGED.													0
													0
C R E D I T.													0
71.PURCHASE.		292092											292092
													0
SALES.		106088											106088
													0
STORES.		359660											359660
72.W/SHOP SUSPENSE.		240504											240504
Other MFG.SUSPENSE.		25											25
													0
73.MISC. ADVANCE.		22626											22626
													0

TOTAL- CREDIT SUSPENSE		1020995	0	0	0	0	0	0	0	0		0	1020995
	VOTED												0
	CHARGED.												0
==========													
TOTAL FINAL SUSP. HEAD	0	15356	0	0	0	0	0	0	0	0		0	15356
TOTAL FINAL SUSP HEAD (CH)		3110						48	122				3280
==========													
DEDUCT CREDITS INCLUD													
RECEIPT OF CAPITAL A/C		0	858	0	0	0	0	25074	10478	0		0	36410
RECEIPT OF CAPITAL A/C	CHARGED.									0			0
==========													
NET FINAL SUSPENSE HEAD.	0	4474102	5836	7963	2019	16132	74	1449302	142945	0	57010	295	6155678
NET FINAL SUSP HEAD (CH)		3110	0	0	0	0	0	48	122	0	0	0	3280
==========													
ADD LOSS BY EXCHANGE													
DEDUCT GAIN BY EX-CHANGE													
==========													
	0	4474102	5836	7963	2019	16132	74	1449302	142945	0	57010	295	6155678
TOTAL CH		3110	0	0	0	0	0	48	122	0	0	0	3280
==========													
DEDUCT EXP.													
==========													
NET CAPITAL OUTLAY (VOTED)		4474102	5836	7963	2019	16132	74	1449302	142945	0	57010	295	6155678
NET CAPITAL OUTLAY (CH)		3110	0	0	0	0	0	48	122	0	0	0	3280

									(CRM STATEMENT)				
SUB-HEAD OF DEMAND		DRF	DRF	RSF	RSF	CAPITAL	CAPITAL	RRSK	RRSK	CAPITAL FUND	CAP. FUND	TOTAL	TOTAL
		FOR	TO END OF	FOR	TO END OF	FOR	TO END OF	FOR	TO END OF	FOR	TO END OF	FOR	TO END
		Mar-24	Mar-24	Mar-24	Mar-24	Mar-24	Mar-24	Mar-24	Mar-24	Mar-24	Mar-24	Mar-24	Mar-24
11. NEW LINES													
(CONSTRUCTION)		0	0	793	10797	0	0	0	0	0	0	793	10797
14. GAUGE CONVERSION		0	0	0	0	0	0	0	0	0	0	0	0
15. DOUBLING		0	0	0	0	0	0	0	0	0	0	0	0
15 DOUBLING CH		0			0	0	0	0	0	0	0	0	0
16.TRAFFIC FACILITIES													
YARD REMODLING		0	0	0	0	0	0	0	12	0	0	0	12
17.COMPUTERISATION.		0	0	0	0	0	0	0	0	0	0	0	0
18.RAILWAY RESERCH.		0	0	0	0	0	0	0	0	0	0	0	0
21. ROLLING STOCK		0	844	0		0	0	0	0	0	0	0	844
31.TRACK RENEWALS.		0	0	6197	14277	0	0	4178	10466	0	0	10375	24743
32.BRIDGE WORKS.		0	0	0	0	0	0	0	0	0	0	0	0
33. SIGNALLING &													
TELECOM WORKS		0	0	0	0	0	0	0	0	0	0	0	0

36.OTHER ELECTRIC WORKS		0	0		0	0	0	0	0	0	0	0	0
41.MACHINERY & PLANT		0	0	0	0	0	0	0	0	0	0	0	0
42.W/SHOP INCL. PRODUCTION													
UNITS		0	0	0	0	0	0	0	0	0	0	0	0
51.STAFF QUARTERS		4	14	0	0	0	0	0	0	0	0	4	14
52.AMENITIES FOR STAFF		0	0	0	0	0	0	0	0	0	0	0	0
53.PASSANGER AMENTIES		0	0	0	0	0	0	0	0	0	0	0	0
62.INVESTMENT IN GOVT.		0	0	0	0	0	0	0	0	0	0	0	0
COML. U/TAKING													
64.OTHER SPECIFIC WORKS		0	0	0	0	0	0	0	0	0	0	0	0
83. NEW LINE (Const.)Dividend Free		0	0	0	0	0	0	0	0	0	0	0	0
==========													
TOTAL FINAL HEAD		4	858	6990	25074	0	0	4178	10478	0	0	11172	36410
		0											
==========													
TOTAL EXCLUDING R.D.S.O.		4	858	6990	25074	0	0	4178	10478	0	0	11172	36410
==========													

Para No.3.25

Statement of Expenditure under Grant No.16 to end of March 2024 Accounts.

(Fig. in Lakhs of Rs.)

Grant No.		Gross	Cr. & Recov.	Net.
16-Open Line works				
Revenue	(V)	0	0	0
	(Ch)	0	0	0
16-Capital.	(V)	4887191	413087	4474104
Capital Final Head		0	0	0
Capital	(Ch)	3110	0	3110
Capital Fund	(V)	0	0	0
16-DRF	(V)	6693	858	5835
	(Ch)	0	0	0
16-Development Fund-I	(V)	7964	0	7964
	(Ch)	0	0	0
16-D.F.-II	(V)	2019	0	2019
	(Ch)	0	0	0
16-D.F.III	(V)	14990	0	14990
	(Ch)	1143	0	1143
16-D.F.-IV	(V)	73	0	73
	(Ch)	0	0	0
16-Saftey fund	(v)	1474376	25074	1449302
	(ch)	48	0	48
16-SRPF	(V)	0	0	0
	(ch)	0	0	0
16- RRSK	(V)	153423	10478	142945
	(Ch)	122	0	122
16- Capital(Nirbhaya)	(V)	295	0	295
16-SGF	(V)	57010	0	57010
Total	**(V)**	**6604034**	**413087**	**6154537**
CRM		0	36410	
Total	**Voted**	**6604034**	**449497**	**6154537**
	Charged	**4423**	**0**	**4423**

Details of Capital Expenditure

No.16-Capital		(V)	4458748	0	4458748
		(Ch)	3109	0	3109
Stores Susp.		(V)	290233	27966	10567
		(Ch)	0	0	0
Manufactures Susp.		(V)	115173	110794	4379
		(Ch)	0	0	0
Misc.Advance		(V)	23037	22626	411
		(Ch)	0	0	0
	Total	**Voted**	**4887191**	**413086**	**4474105**
		CRM		0	
	Total	**Voted**	**4887191**	**413086**	**4474105**
		Charged	**3109**		**3109**

Para 3.26

NORTHERN RAILWAY

PROFIT & LOSS ACCOUNT FOR THE YEAR ENDING 31-03-2024 (COMMERCIAL LINES).

(FIG. IN UNITS OF Rs.)

S.NO.	DEBITS PARTICULAR	2022-2023 AMOUNT	2023-2024 AMOUNT	S.NO.	CREDITS PARTICULAR	2022-2023 AMOUNT	2023-2024 AMOUNT
1	WORKING EXPENSES	263425636554	288595932198	1	GROSS EARNINGS	222486526316	214863145492
2	SURVEYS	33910139	125464791	2	MISC. RECEIPTS	1106748190	1333755690
3	STATUTORY AUDIT	389450250	365630698				
4	GOVT. INSPECTION	0	0	3	SUBSIDY RECEIVED FROM CENTRAL GOVT.	0	0
5	COST OF RLY. BOARD	1302741293	1055644695				
6	MISC. ESTABLISHMENT(A)	105180134	136908595	4	DIST. RECEIPTS	2865716	430311730
7	OPEN LINE WORKS(REV.)	0	0	5	LOSS	41660778148	73652368065
8	DIVIDEND PAYABLE TO GENL. REVENUE	0	0				
9	PROFIT	0	0				
	TOTAL	265256918370	290279580977		TOTAL	265256918370	290279580977

Para No.3.27(A)

Financial Survey 2023-2024

(I) Pattern and Trend of Earnings

The pattern and trend of earnings of Northern Railway is given below -

(Figs in Lakhs of Rs)

Particulars	2022-2023	% age	2023-2024	% age
Passenger	828748	37.04%	846857	39.32%
Other Coaching	92145	4.12%	107880	5.01%
Goods	1254729	56.07%	1099811	51.06%
Sundries	61981	2.77%	99254	4.61%
Total	2237603	100.00%	2153802	100.00%

Reasons for variation in Traffic Earnings

1. Passenger Earning — Passenger Earning shown an increase of 2.19% in comparison to corresponding period of last year.
2. Other Coaching — Other coaching earning has shown an increase of 17.07 % in comparison to corresponding period of last year.
3. Goods — Goods earning showing a decrease of 12.35 % in comparison to corresponding period of last year.
4. Sundry — Sundry earning shown an increase of 60.14% in comparison to corresponding period of last year.

Para No.3.27(B)

Financial Survey 2023-2024

(II) Pattern & Trend of Expenditure

The working expenses have been analysed in the table to indicate the essential subject on which the expenditure was incurred

(Figs in lakhs of Rs.)

Working Expenses	**2022-23**	**% of Total.**	**2023-24**	**% of Total.**
Rolling Stock & Equipments	228099	8.61	248109	8.55
Traffic	430413	16.25	527733	18.19
Fuel	353796	13.36	377465	13.01
Total	**1012308**	**38.22**	**1153307**	**39.74**
Genl Supdt. & Services	86759	3.28	92368	3.18
Repair & Maintenance	605387	22.85	705068	24.30
Staff Welfare & Amenities	100045	3.78	110799	3.82
Misc. Working Exp.	130624	4.93	154683	5.33
Provident Fund & other retirement benefits.	63905	2.41	71936	2.48
Appropriation to D.R.F.	18100	0.68	20600	0.71
Appropriation to Pension Fund	631700	23.85	593100	20.44
Total	**2648828**	**100**	**2901861**	**100**

Operating Ratio	**2022-23**	**2023-24**
% of Ordinary Working Expenses + Appr. To (DRF + Pension Fund.) to Gross Earnings	118.38%	134.73%

PARA 3.28

PERFORMANCE OF ACCOUNTS DEPARTMENT.

(FROM APRIL 2023 TO MARCH 2024) ***(Figures in crores of Rs.)***

	PARTICULAR	Target for 2024-2025	Actual 2012-2013	Actual 2013-2014	Actual 2014-2015	Actual 2015-2016	Actual 2016-2017	Actual 2017-2018	Actual 2018-2019	Actual 2019-2020	Actual 2020-2021	Actual 2021-2022	Actual 2022-2023	Actual 2023-2024
1	Capital at Charge		29710.62	36850.33	44364.76	53329.71	66410.13	73553.57	88699.54	111542.85	104107.32	165939.00	202319.00	247112.00
	Investment from Capital Fund													
2	Traffic Earning	24640.25	12333.07	15009.17	15085.49	15889.61	16261.00	17609.50	16424.92	12958.98	10204.86	16036.45	22376.03	21538.02
	Suspense	11.00	12.08	12.26	6.00	6.23	6.11	18.12	11.24	-146.72	24.72	14.10	11.76	12.26
	Gross Traffic Receipt	24651.25	12345.15	15021.43	15091.49	15895.84	16267.11	17627.62	16436.16	12812.26	10229.58	16050.55	22387.79	21550.28
3	Ordinary Working Expenses	23250.77	10111.59	11906.77	12678.89	12792.82	13964.74	14837.41	16391.63	17253.29	15511.00	17432.00	19996.07	22881.62
	Excl. Suspense													
	Appropriation to Depreciation	7998.00	3843.00	4620.91	5069.00	5476.00	5361.00	5781.72	5281.50	2777.55	105.00	599.00	6498.00	6137
	Reserve and Pension fund													
	Total Working Expenses	31248.77	13954.59	16527.68	17747.89	18268.82	19325.74	20619.13	21673.13	20030.84	15616.00	18031.00	26494.07	29018.62
	Excl. Suspense													
4	Net Revenue		-1508.70	1506.25	2656.40	-2372.98	-3058.63	-2991.51	-5236.97	-7218.58	-5386.42	-1980.45	-4106.28	-7468.34
5	Payment of Genl. Revenue		1072.81	1660.59	2026.99	1946.03	0.00	0.00	0.00					
6	Surplus		-1621.51	-1441.75	-2662.40	-4319.01	-3058.63	-2991.51	-5236.97	-7218.58	-5386.42	-1980.45	-4106.28	-7468.34
7	Operating Ratio	126.80	113.15	110.12	117.65	114.97	118.85	117.09	131.95	154.8	153.65	147.94	118.38	134.73
8	Ratio of Net Revenue to		-5.08	4.09	5.99	-4.45	-4.61	-4.07	-5.90	-6.47	-5.17	-1.19	-2.03	-3.02
	Capital Charges													
	Ratio of Net Revenue to			4.09	5.99	-4.45	-4.61	-4.07	-5.90	-6.47	-5.17	-1.19	-2.03	-3.02
	Capital Charges & Invest.													
	from Capital Fund													
9	Credit Released fund .		100.82	104.82	110.89	169.08	192.95	27.83	3.52	3.38	3.57	10.94	8.87	8.57
	Material (Revenue Expenses													
	Grant Credit Released Fund)		269.33	193.77	236.38	169.19	193.42	144.7	84.16	241.11	280.54	408.44	686.41	364.1
	Material Works Grant													

Note: Target for Capital at charge are based on budgetary figures contained in Integrated Budgetary financial figures 2022-23

Achievements of NR for FY 2023-24

Financial Savings:

Throughout the year, improving financial management through comprehensive audits and internal scrutiny has led to significant financial savings and increased operational efficiency. Total Savings of Rs 263 Crores (Appx.) achieved through internal check of Finance and settlement bill scrutiny. Rigorous auditing and internal scrutiny has not only achieved substantial financial savings but has also reinforced a culture of fiscal responsibility within the organization.

Scrap Disposal:

In the financial year, effective scrap disposal practices led to significant cost savings and improved resource efficiency. Total Rs 59 Crores (Appx.) sale of scrap has been done during the year. The sale of scrap materials generated additional income, contributing to overall revenue.

GST:

i) All GST Returns of Eight states under NR have been filed before due date of FY 2023-24.
ii) 98.70% of ITC data of FY 2023-24 has been reconciled before 10.09.2024.

BILLS RECOVERABLE:

Continuous monitoring and meetings with concerned officials have yielded good results in realization of outstanding dues. Against an accretion of Rs 670.06 Cr., a clearance of Rs. 1090.07 Cr. has been achieved in the current year i.e. 2023-24 leaving a closing balance of Rs 758.57 Cr. to end of March, 2024.

E-PPO Issued:

In this financial year, total 3713 settlement has been done, of which PPO issued was 3573 including 3355 E-PPOS.

SYSTEM IMPROVEMENT:

(i) Northern Railways has made a significant achievement in digitally receiving various items of miscellaneous revenue through MERS in FY commercial staff of all five divisions and divisions were directed to onboard MERS completely for al incomes/receipts.

Zone wise Transaction data for all receipt types in MERS for the FY 2023-24 shows that NR initiated highest number of transactions in MERS (5344 Nos.)

among all zones and the total revenue earned via MERS for multiple earning sources such as Advertising, Pay and Use, Parking, Catering etc. of Rs 77.42 Cr is second highest in Indian Railways.

(ii) Non-stock Demand on UDM (User Depot Module) Non-stock Demand on UDM (user Depot Module) was earlier being sent manually and also vetting of POa4A/AAC was being done on IMMS at the level Gazetted officer in the Accounts Branch. Now, with the initiative of the Store Accounts Branch/HQ access to the utility has been provided at grass root level making it paperless and the vetting is now processed through IMMS.

(iii) With the implementation of GST w.e.f July 2017 and according to Section 36 of COST ACT, it is mandatory to keep the record of vendors payments/tax invoices, etc. for 72 months (Six years) from the date of filing the Annual GNT return to ensure compliance of this provision, Data of more than 1500 vendors consisting of more than 17000 invoices kept in the record section of Accounts since April'2017 which keep on increasing month on month basis can now be searched with the help of in-house developed IT application within 30 seconds. Now it is easier to reconcile vendor-wise GSTR 2A data provided by CRIS manual utility with original invoices submitted by the vendors which ensures claiming/availability of GST ITC due to the Railway Earlier, it was very time consuming.

यातायात

TRAFFIC

General Manager's Annual Narrative Report 2023-24

महाप्रबंधक की वार्षिक वर्णनात्मक रिपोर्ट 2023-24

Chapter III

3.1.1 About the Department

The Commercial department is headed by Principal Chief Commercial Manager (PCCM). This department is concerned with all facets of Commercial working, from selling tickets and booking goods through rendering services to passengers at stations and on board trains to dealing with compensation claims.

3.1.2 Highlights of the year

3.1.2.A PASSENGER MARKETING

a. Passenger Reservation System (PRS) Delhi.

- At present, **393 PRS** locations are functioning over Northern Railway.

b. Yatri Ticket Suvidha Kendra (YTSK)

With a view to expanding the facilities for issue of tickets (both reserved and unreserved) it has been decided by Railway Boards to allow establishment and operation of computerized **PRS-cum UTS** terminals at centers which are known as Yatri Ticket Suvidha Kendra.

At present, **YTSKs** are functioning at **113 locations** over Northern Railway Division wise details of YTSK are as under:-

Division	No. of YTSK Locations
DLI	97
FZR	04
UMB	01
MB	05
LKO	06
Total	**113**

c. Report of S&T Unit

- ***PRS/UTS** working during 2023-2024 have been satisfactory and efficiency has been 99.8% to 99.9%.
- No. of works done /circuits commissioned are as under:-

S.No.	Name of work	Status of work
01	2 Mbps Railway data circuit commissioned	05 No.
02	New Router/Switch replaced	18 Locations
03	Shifting of PRS terminal Room	02
04	Temporary additional PRS/UTS/NTES counters for Diwali/Chatt puja/Holi/Summer Rush.	26
05	Temporary PRS counters provided for Sant Nirankari Samagam at Bhodwal Majri.	02

06	Shifting of PRS/UTS in New Building at GZB, LDH, FDB,SRE,BSB,NUR, SNP,BJO, JUC & SZM.	10
07	YTSK Installed	113
08	Telephone surrender	07
09	Released/Condemnation UHF Antenna deposited at SSB depot.	06
10	64 kbps MTNL Channel shifted from IRCA Building to Delhi.	15
11	Charting printer utility shifted at IRCA, NZM, DLI station from PRS to current counter room	03

d. Unreserved Ticketing System (UTS)

The computerized un-reserved system (UTS) for issuing of Railway Unreserved journey tickets to passengers has been implemented on Northern Railway. Under the system passengers can purchase unreserved tickets 3 (Three) day in advance (excluding the day of journey) from any station of that particular cluster (A specific group of many station) station to any destination station subject to involving journey of 200 (Two Hundred) kilometers or above 200 (Two Hundred) kilometers

The passengers can purchase unreserved journey tickets involving journey of any distance on the same day on journey originating station. Regarding season tickets, with effect from 01/04/2013, new facilities of issuing half yearly (HST) & yearly season tickets have been provided to the passengers i.e the passengers can purchase now half yearly (HST) & yearly season tickets also as per their requirement.

The locations having UTS facility are connected to zonal server through Terminal Server in addition. Thin Clients have also been provided at all NSG-6 categories of stations where UTS has been commissioned and also at other NSG-1, NSG-2, NSG-3, NSG-4 & NSG-5 category of stations to render hassle free service.

To facilitate Station Managers/ Assistant Station Managers to concentrate better on train operations and also to facilitate passengers to get tickets it has been decided to appoint **Station Ticket Booking Sewaks (STBS)** at E-category stations as a pilot project for one year only. Later this scheme was changed into **STBA i.e Station Ticket Booking Agents** and initially the period of contract would be 3 years. During FY 2023-24 91.67 lakh tickets have been issued through STBA generating revenue of Rs. 82.51 Cr. Vide Railway Board's circular No. 4 of 2022, the scheme to appoint STBA was extended for NSG-4 category station also as a pilot. Accordingly divisions have been instructed to engage STBA at NSG-4, NSG-5 and NSG-6 category stations. Divisions have been engaged 08 STBAs as per new policy.

526 ATVMs were sanctioned for NR in 2014. 336 ATVMs were commissioned over 171 locations of Northern Railway During FY 2023-24, 216 lakh tickets have been issued through ATVMs generating revenue of Rs. 266.86 Cr. The tender for Procurement of 117 ATVMs, 60 SMC, 60 RFID has been finalized and material will be supplied shortly at different station of

Northern Railway. The procurement of 45 ATVMs is under process in Ambala division over NR.

Co-TVMs were commissioned during the FY 2015-16. 60 Co-TVMs were installed at 14 locations over Northern Railway. During FY 2023-24, 8.47 lakh tickets have been issued through Co-TVMs generating revenue of Rs. 10.87 Cr.

Booking of UTS tickets through Mobile Phone on NDLS-PWL section of Delhi division over Northern Railway was started w.e.f.1.9.2015. On 1.11.2018, UTS-on-Mobile App was expended on PAN-India basis. During FY-2023-24, 34.79 lakh tickets have been issued through UTS-on-Mobile App. generating revenue of Rs. 40.44 Cr. Functionality of booking of UTS tickets for Divyangjan through UTS-on-Mobile App has been implemented. Also the outer distance geofencing restriction on booking paperless ticket (Journey, Platform and Season) via UTS-on-Mobile has been removed for all Zonal Railway.

To promote digital transaction, QR devices are being installed at PRS, Non-PRS and UTS counters over Northern Railway. In addition to this, payment for UTS tickets are being accepted through QR code at ATVM machines also.

Yearly performance of UTS

FY Year	Location sanctioned	No. of Location commissioned
2002-03	23	22
2003-04	23	21
2004-05	25	07
2005-06	26	45
2006-07	45	20
2007-08	656	25
2008-09	No further UTS Locations were sanctioned	35
2009-10		385
2010-11		98
2011-12		16
2012-13		10
2013-14		07
2014-15		14
2015-16		06
2016-17		15
2017-18		NIL
2018-19		04
2019-20		14
2020-21		05
2021-22		NIL
2022-23		1
2023-24		7
Total	**798**	**752**

NOTE: UTS has been disabled at 20 UTS locations over NR and enabled at 7 locations. UTS locations upto end of March -2024 were 733 over NR.

e. Achievement of PPM Northern Railway/IRCA/NDLS

Para wise comments pertained to PPM Cell, during the period from 01.04.2023 to 31.03.2024 as compared with the same of previous year is given as under:-

S.No.	Heads	2023-2024 (April-March)	2022-2023 (April-March)	Variation	
1	**Passenger Earnings**			**In figure**	**In %age**
a	Originating Passenger Booked (in Lacs)	4132	3689	443	12.01
b	Originating Passenger Earnings (in Lacs)	1210338	1101421	108917	9.89
2.	**SPL Trains(Reserved Train)**				
a	Total Trips	2965	2914	51	1.75
b	Earnings (in Lacs)	26369	21440	4929	22.99
3.	**Temporary Augmentation**				
a	No. of Coaches (Trips)	31480	63870	-32390	-50.71
b	Earnings (in Lacs)	15157	20585	-5428	-26.37

f. Reservation on Internet (IRCTC)

IRCTC Online Ticket booking system is a boon to the common man, empowering the User through technology. Launched in 2002, IRCTC booked a mere 27 i-tickets on the first day of commencement of online ticketing service in the country. E-ticket booking service was started in August 2005. From 27 i-tickets booked in 2002 (the year of launch), IRCTC online ticketing has reached to a record of 15.88 lakhs tickets booked on 21st March, 2022. Now after more than 20 years of a sparkling journey, it has emerged as one of the largest e-commerce website in the country and Asia Pacific.

The spirit behind the project was that instead of the customers going to Passenger Reservation System (PRS), the PRS should be brought to the customers. The booking of railway tickets through internet is now available 24*7*365. The Website remains closed only for 35 minutes from 23.45 hrs to 00.20 hrs for day closure activities.

In E-ticketing scheme, there is no physical ticket. Passenger get their reservation booked through Internet while sitting at home and occupy their reserved seats based on computer generated slip taken out from their own computer along with the Identity Card. One of the

Passengers booked an E-Ticket is required to present any of the Ten ID cards mentioned below in original during the train journey and same will be accepted as a proof of Identity card failing which all the passengers will be treated as travelling without ticket and shall be dealt as per extant Railway Rules. SMS sent by IRCTC is also a valid travel authority along with ID Proofs.

Valid IDs: Voter ID Card/Passport/PAN Card/Driving License/Aadhar Card, Photo ID Card issued by Central/State Govt. for their employees/student ID card with photograph issued by recognized school/college for their students/Nationalized Bank passbook with photographs. Credit Cards issued by Banks with laminated photograph/m-Aadhaar when shown through m-Aadhaar mobile app/Photo identity cards having serial number issued by public sector Undertakings of State/Central Government, District Administrations, Municipal bodies and Panchayat Administrations/Passenger showing the Aadhaar/Driving Licence from the "Issued Document" section by logging into his/her DigiLocker account considered as valid proof of identity. (Documents uploaded by the user i.e. the document in "Uploaded Document" section will not be considered as a valid proof of identity).

The accommodation booked is not transferrable and is valid only if one of the ID card mentioned above is presented during journey. The passenger should carry with him the Electronic Reservation slip print out or SMS sent by IRCTC. In case the passenger does not carry the Electronic Reservation Slip or SMS sent by IRCTC, a charge of Rs. 50/- per ticket shall be recovered by the ticket checking staff and an excess fare ticket will be issued in lieu of that.

E-ticket cancellations are permitted through *www.irctc.co.in* by the user. Tickets booked through Passenger Reservation Counters can also be cancelled through *www.irctc.co.in* by the passengers. In case e-ticket is booked through an agent, the cancellation is required to be done through the respective agent only.

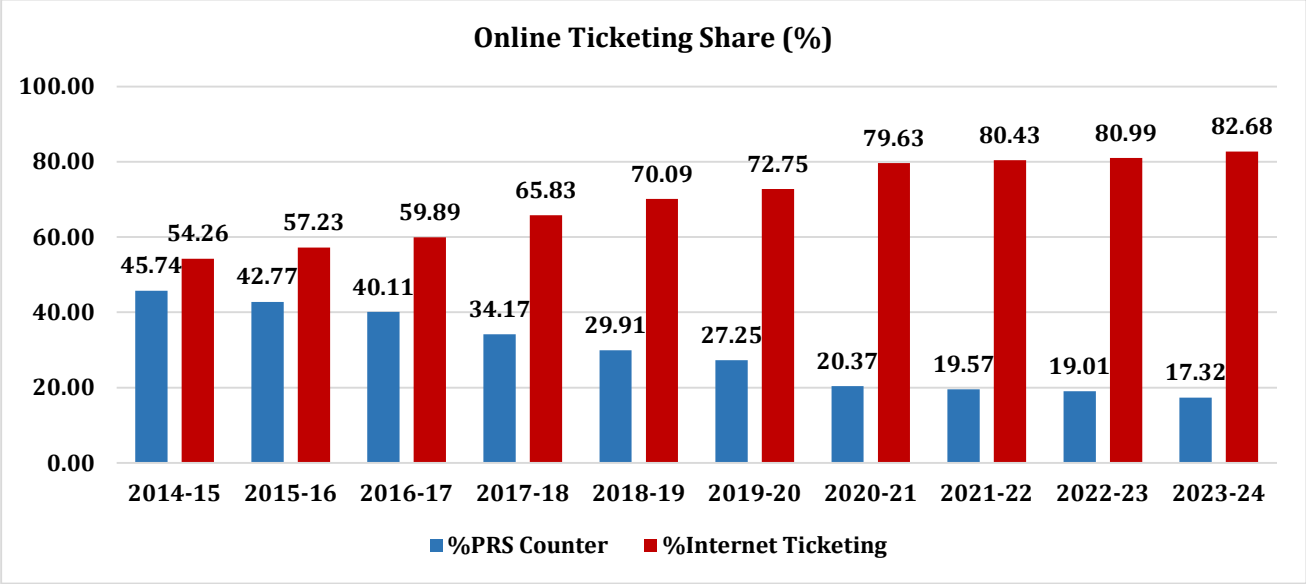
g. Next Generation E-Ticketing (NGeT) System:

The IRCTC e-Ticketing System was replaced with Next Generation E-Ticketing (NGeT) System on 28-Apr-2014 with new state of art Data Centre set up in CRIS premises at Chankyapuri, New Delhi, planned for 5 years. The capacity of per minute ticket booking was increased from 2000 tickets to 7200 tickets per minute. The system is being upgraded regularly and is supported by high capacity servers which have a capacity to book more than 28,000 tickets in a minute, with a record booking of 28,434 tickets in a minute on 12.11.2022 at 11.02 AM. On an average, 12.38 lakh tickets are being sold daily through IRCTC's Website/Mobile App in Financial Year 2023-24.

h. Details of E-Ticket Booking:

Growth of e-ticketing on IRCTC Website/Mobile App has been phenomenal since its launch in year 2002-2003.During the financial year 2023-24, 4529.83 lakh tickets for 8025.06 Lakh passengers, have been booked through IRCTC Website *(www.irctc.co.in)* and Rail Connect Mobile App,. A total amount of Rs. 61,736.71 Crores was collected as Railway Ticket Fare through IRCTC Website and Mobile App for e-ticketing for the Financial Year 2023-24.

i. Online Ticketing Share:



j. Convenience Fee:

IRCTC used to levy a service charge of Rs. 20+ Tax (2S &Sleeper Class) and Rs.40 + Tax in case of all other classes (1AC, EC, 2AC, 3AC, CC,3E, FC) irrespective of the number of passengers booked on E-Ticket. However, the same was withdrawn w.e.f. 23.11.2016 to 31.08.2019.

IRCTC has started levying Convenience Fee w.e.f. 01- Sep- 2019 @ Rs.15/- + GST per ticket for Non-AC Classes and @ Rs.30/- + GST per ticket for AC Classes (including First Class), on the online tickets booked through IRCTC, irrespective of the number of passengers booked on a ticket.

For those Users, who make online payment for e-tickets through BHIM/UPI payment mode, the Convenience Fee is charged @ Rs.10/- + GST per ticket for Non- AC Classes and Rs.20/- + GST per ticket for AC Classes (including First Class), to promote digital payments as a Digital India initiative.

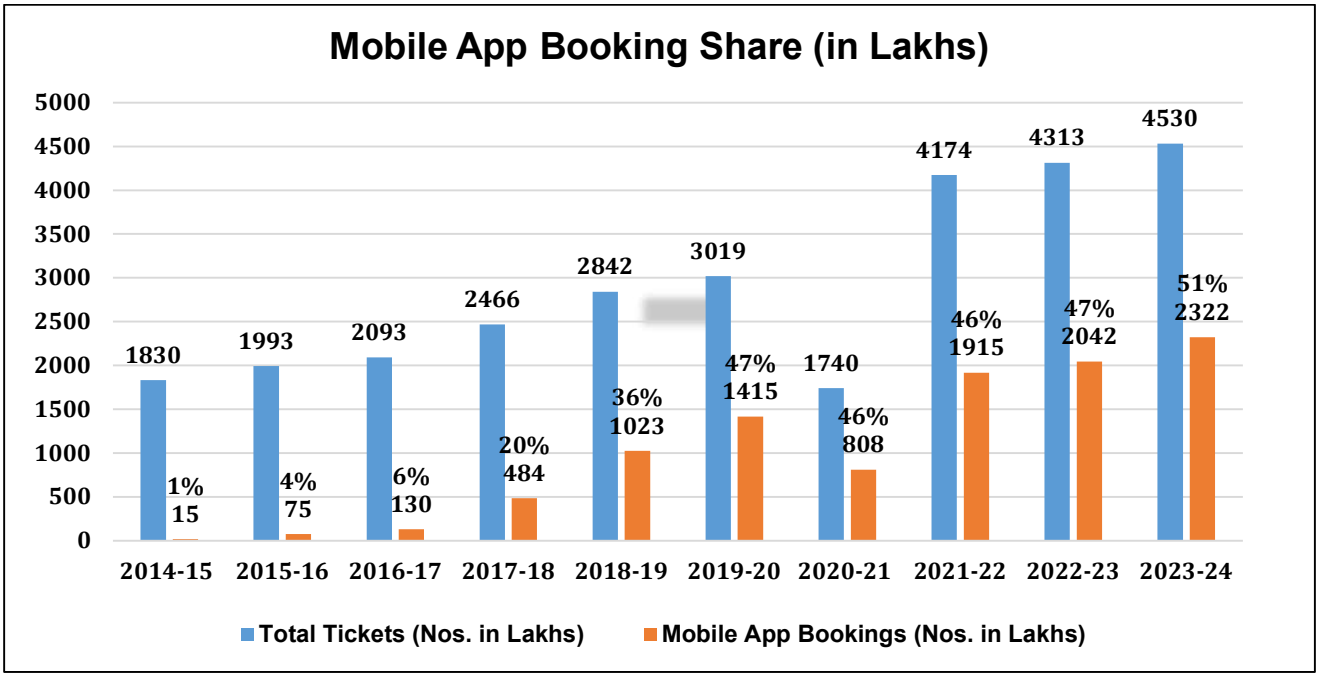
k. IRCTC Rail Connect Mobile App:

E-tickets can also be booked on IRCTC Rail Connect Mobile Apps (Android & iOS Platforms). In order to capture the ever increasing popularity and customer base and to address need of this market segment, IRCTC had launched new Android App on Next Generation e-ticketing system in January 2017. During the year 2015-16, the average mobile ticket booking was 30000 per day which has been increased to 5.60 Lakh tickets per day. There were a total of 12.20Crore downloads of the Mobile App. Daily Mobile Logins were 51.77 Lakhs. 51.27% of online tickets are being booked through IRCTC Rail Connect Mobile App.

Mobile App Statistics are given below:

Period	Tickets (Nos. in Lakhs)	Downloads (Nos. in Lakhs)
2014-15	15.17	25.47
2015-16	74.57	47.91
2016-17	129.90	94.71
2017-18	483.77	130.61
2018-19	1023.43	139.85
2019-20	1415.24	140.58
2020-21	808.47	128.47
2021-22	1915.37	185.01
2022-23	2042.47	213.94
2023-24	2322.32	225.65

l. IRCTC Mobile App Booking Share:



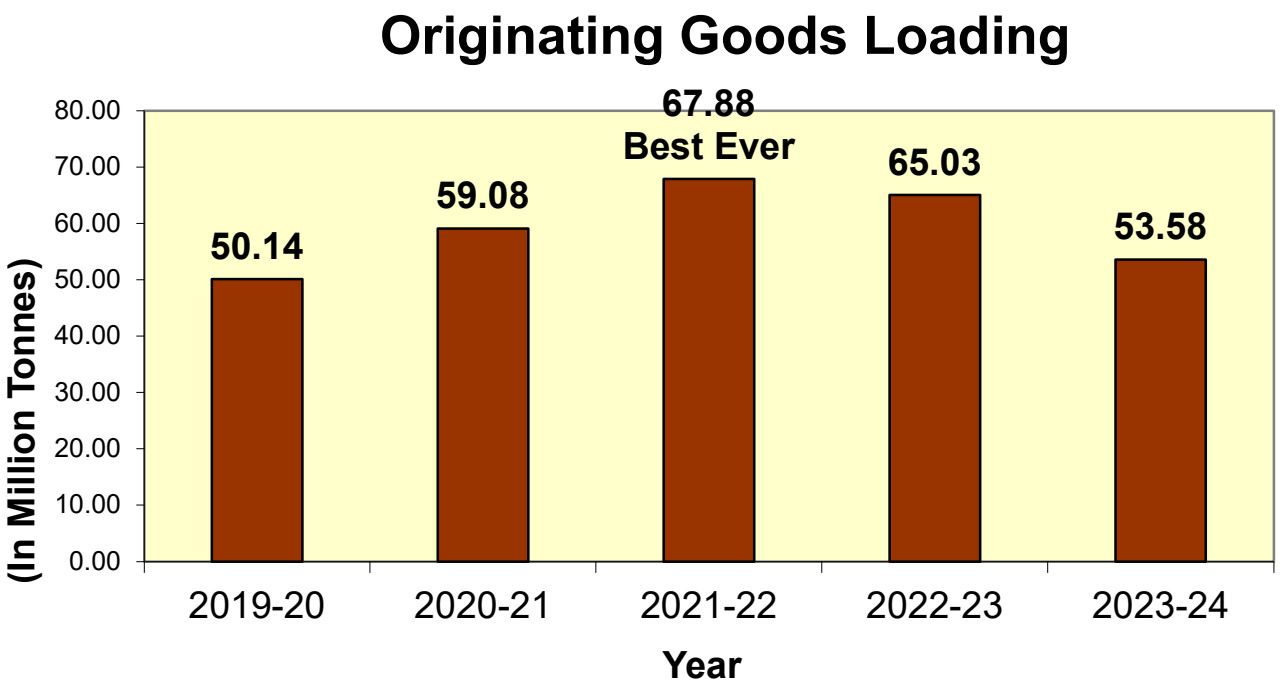
m. Payment System:.

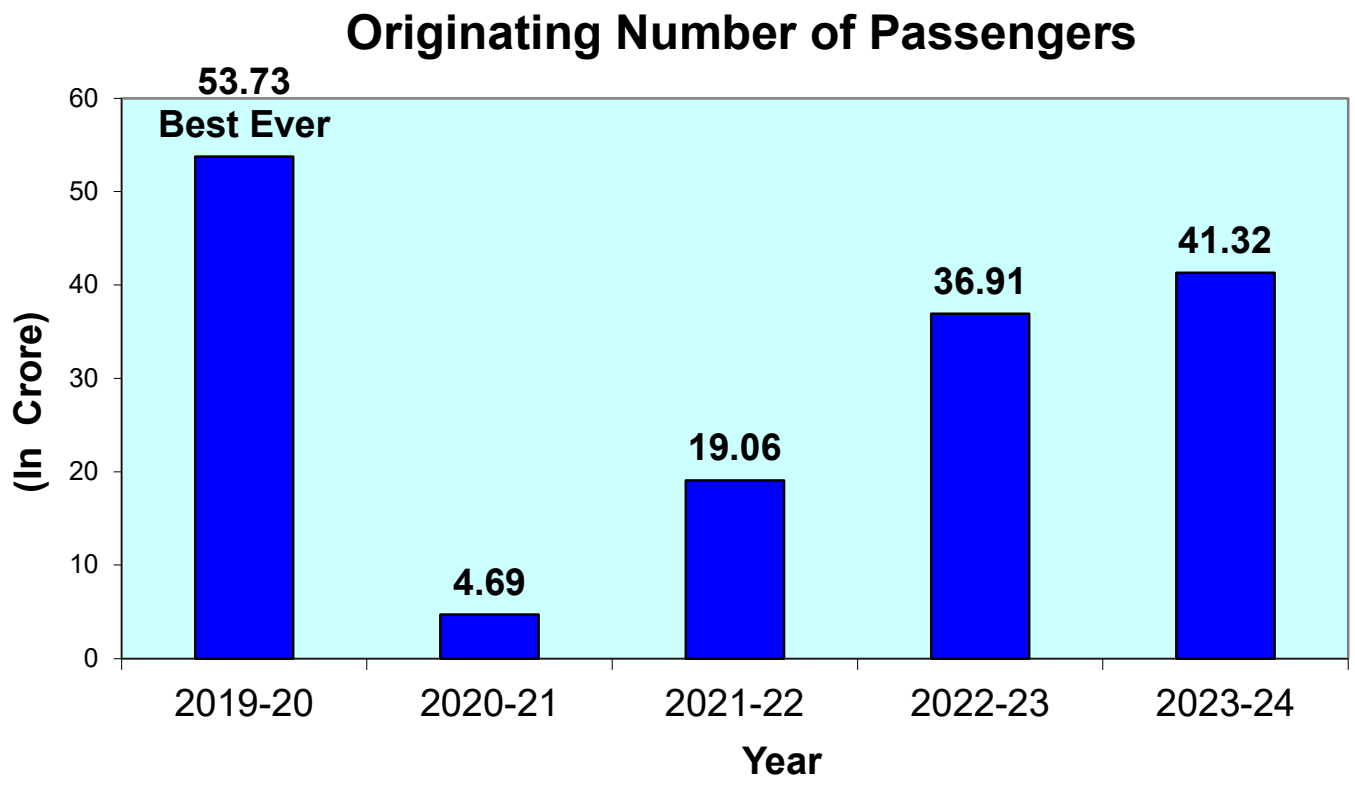
IRCTC has a robust system of payment gateways with various payment options viz., Net Banking/Credit & Debit Card/Wallets/BHIM/UPI/Autopay/BNPL/EMI. The transaction on this website is completely safe and secure. Bank Account or Card Account details of User are not saved in the server of IRCTC at the time of booking tickets thereby ensuring preventing any misuse. Even, Foreign user can book tickets using International Credit Card (Issued outside India).

1. FREIGHT MARKETING

SN	Items	Target 2023-24	2019-20	2020-21	2021-22	2022-23	2023-24	Best Ever	
								Figure	Year
1	Originating Goods Loading (In Million Tonnes)	54.27	50.14	59.08	67.88	65.03	53.58	67.88	2021-22
2	Originating Goods Earning (Fig. in crore of Rs.)	5429.25	6498.70	8109.15	9497.10	8653.87	6679.77	9497.10	2021-22
3	Originating Number of Passengers (Fig. in crore)	42.95	53.73	4.69	19.06	36.91	41.32	53.73	2019-20
4	Originating Total Earning (Fig. in crore of Rs.)	19237.97	15029.23	12372.91	17439.44	21391.32	20981.59	21391.32	2022-23
5	Originating Passenger Earning (Fig. in crore of Rs.)	11901.32	8781.87	3027.76	6933.91	11016.33	12119.98	12119.98	2023-24
6	ISO Container in TEUs	-	518985	467860	547548	537947	581132	581132	2023-24
7	ISO earnings (Fig. in Crore of Rs.)	-	851.11	975.93	1131.04	1233.01	1484.66	1484.66	2023-24

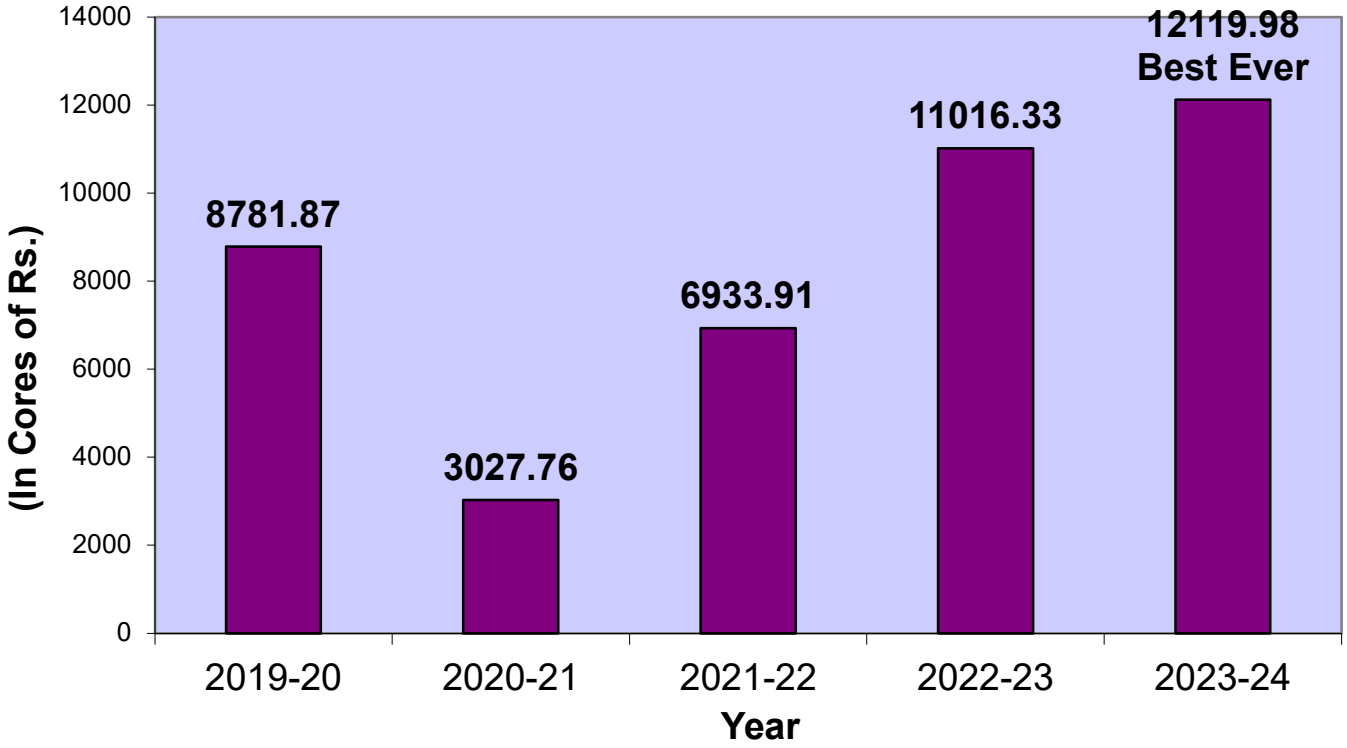
Graphs are as per summary above.



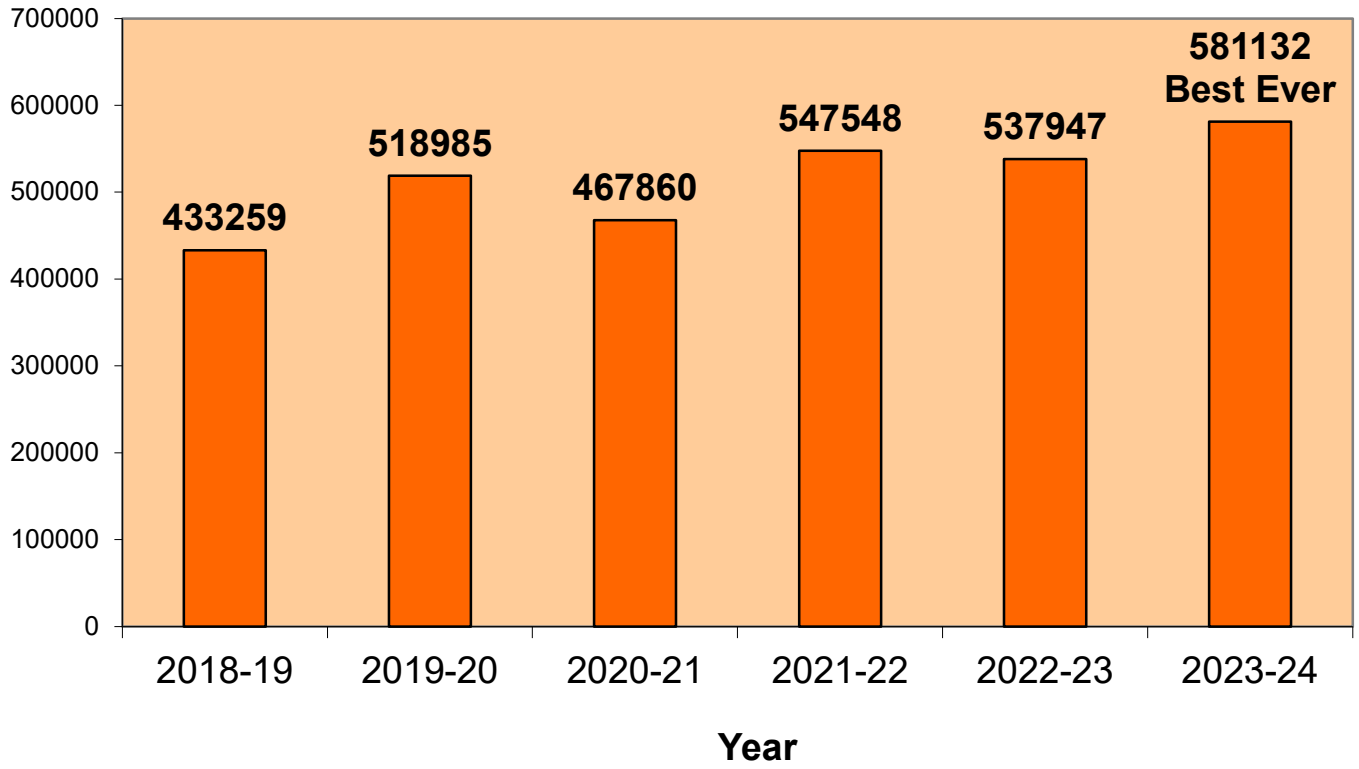

Originating Number of Passengers
53.73
Best Ever
4.69
19.06
36.91
41.32
(In Crore)
60
50
40
30
20
10
0
2019-20
2020-21
2021-22
2022-23
2023-24
Year

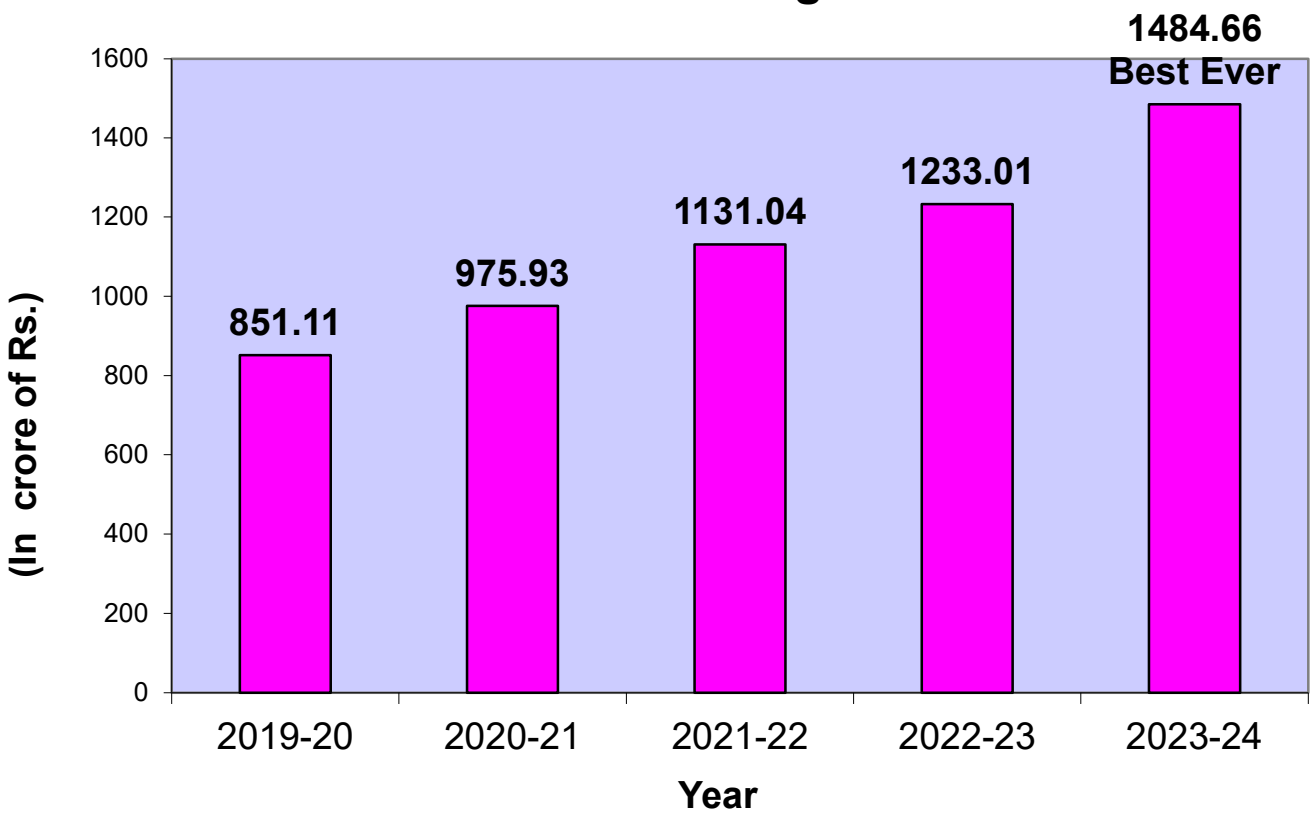
Originating Total Earnings
15029.23
12372.91
17439.44
21391.32
Best Ever
20981.59
(In Crores of Rs.)
25000
20000
15000
10000
5000
0
2019-20
2020-21
2021-22
2022-23
2023-24
Year

Originating Passenger Earning



ISO Containers





3.1.2.B Passenger Amenities

Special efforts are being made by Northern Railway to provide the passenger amenities at stations, so that direct benefit is ensured to the passengers and simultaneously help build up the image of railway.

The following works have been approved / sanctioned by Railway Board under Plan Head 53: Passenger Amenities in the Pink Book 2023-24 under Umbrella Works of 2023-24.

S.No	UMBRELLA WORKS	Sanctioned Cost (In Rs Cr.)
1	Integration of Metro stations with Railway stations	100.00
2	Major Up-gradation of Railway stations on Indian Railway	1500.00
3	Ballast less Track for Station Development	981.18
4	Setting up of quick watering arrangements at stations	23.15
5	Up-gradation/Modernization of Infrastructure at Good sheds	1199.22
6	Provision of Escalators on Railway platforms over Indian Railways with average footfall more than 25000 per day (phase II)	327.05
7	Comprehensive sewage treatment plant (phase II)	56.00

8	Minimum Essential Amenities- Telecom, expansion of information system to facilitate Divangjans and other passengers amenity items (Phase II)	30.00
9	Minimum Essential Amenities and facilities at stations other than Telecom, lift & quick watering system	276.65
10	Provision of lifts at stations (Sugamya Bharat Abhiyan)	98.12
11	Soft upgrades/Improvements at stations	1074.78
12	Provision of FOB/ High level platforms at stations (Phase III)	719.53

Following no. of works sanctioned in FY 2023-24

Summary of Umbrella Sanctioned Works

S.No	UMBRELLA WORKS	TOTAL WORKS SANCTIONED 2023-24	TOTAL COST (In Rs Cr.)
1	Integration of Metro stations with Railway stations	00	00
2	Major Up gradation of Railway stations on Indian Railway	20	681.6015
3	Ballast less Track for Station Development	04	75.6843
4	Setting up of quick watering arrangements at stations	04	22.8803
5	Up gradation/Modernization of Infrastructure at Good sheds	82	479.9781
6	Provision of Escalators on Railway platforms over Indian Railways with average footfall more than 25000 per day (phase II)	04	190.986
7	Comprehensive sewage treatment plant (phase II)	01	7.3
8	Minimum Essential Amenities- Telecom , expansion of information system to facilitate Divangjans and other passengers amenity items (Phase II)	05	29.6051
9	Minimum Essential Amenities and facilities at stations other than Telecom, lift & quick watering system	23	260.0895
10	Provision of lifts at stations (Sugamya Bharat Abhiyan)	07	31.1568
11	Soft upgrades/Improvements at stations	87	1073.4278
12	Provision of FOB/ High level platforms at stations (Phase III)	54	723.7828
	TOTAL	291	3576.492

3.1.2.C Ticket Checking Performance

Figures in Lakhs

S.No	Particulars	April 2023 to March 2024				
		Board's Target for the Year 2023-24	**Achievement during Financial Year 2023-24**	**Achievement during Financial Year 2022-23**	**% age Variation over Railway Board's Target**	**% age Variation over Last Year**
1	No. of Persons detected travelling **Without Tickets**	Targets not fixed by Board	23.06	36.04	Targets not fixed by Board	-36
2	No. of Persons detected travelling **With Improper Tickets**	Targets not fixed by Board	15.65	7.55	Targets not fixed by Board	107
3	Amount Realized as Fare and Penalty (In Rs.)	Targets not fixed by Board	24965.97	28473.87	Targets not fixed by Board	-12
4	Unbooked Luggage Cases Detected	Targets not fixed by Board	0.14	0.13	Targets not fixed by Board	11
5	Amount Realized from Unbooked Luggage Cases (In Rs.)	Targets not fixed by Board	37.77	36.86	Targets not fixed by Board	2
6	Ticketless/Irregular Travel Plus Unbooked Luggage Cases (In Rs.)	35.67	38.85	43.72	8.92	-11
[3] + [5]	Ticketless/Irregular Travel Plus Unbooked Luggage Earnings (In Rs.)	23244.00	25003.74	28510.72	7.57	-12

3.1.2.D CATERING

a. Catering Earning:-

- In financial year 2023-24 Rs. 4411 Lakhs license fee has been received from static units.
- In financial year 2023-24 Rs. 3695 Lakhs Railway share of catering units (Mobile+TSV) have been reported by IRCTC.
- In financial year 2023-24 Rs. 447.55 Lakhs Railway share of Major static units have been reported by IRCTC.
- In financial year 2023-24 Rs.137.5 Lakhs Railway share of E-catering have been received from IRCTC.

b. Improvement in catering/vending arrangement:-

- The objective of OSOP is to provide enhanced livelihood and welfare of local artisan, potter, weaver etc. through a marketing channel by providing earmarked space for stalls at platforms; it would also promote local food items, handicrafts artifacts etc.
- The pilot project of OSOP was launched on 25th March 2022 for 15 days at Panipat & Varanasi stations.
- 188 OSOP have been commissioned over a target of 185. Presently, 151 OSOP stalls are functional and 37non-functional over NR.
- The allotment is to be made based on the priority roster for 15 days, which may be extended for 3 months with the approval of DRM. For short duration of 7 days during festivals is also permissible.
- Optional catering in Pre-Paid trains (Rajdhani, Shatabdi Duranto & Vande Bharat) introduced.
- Green initiative has been taken by banning "Use of plastic carry bags" at catering units on stations.
- All catering units are having FSSAI certificate.
- As per direction of Railway Board's letter dated 08-07-2020, WVM is now under the management of Railway. This railway has allotted 95 WVMs out of 335 WVMs. Allotment of remaining 240 are under process.

c. Other initiatives:-

- Total existing 214 Misc. Article units & Book stalls units have been converted into Multi Purpose Stalls (MPS) units over Northern Railway.
- 15 days' Catering services drive was launched to check all aspects of catering services on 14-06-24.
- 1 week drive was launched in trains and stations focusing on issues raised in Rail Madad complaints during 27-08-24 to 02-09-24.
- To ease the mechanism of transferring the bill amount of catering services to IRCTC, an online portal has been launched.

3.1.2.E PUBLIC GRIEVANCES REDRESSAL

In the interest of enhancing passenger experience, Northern Railways has implemented an integrated online 'Complaint Management System – Rail Madad Portal' available 24X7 all

days. Due to paperless & user-friendly approach, Railway customers are interacting with the Railway administration to lodge complaints and get resolutions through online/offline channels, as per their convenience:

a) **Offline public complaint & suggestion channels:**
   - **i.** By dialing three digits Helpline number **139.**
     (Including medical & Security assistance service)
   - **ii.** SMS by writing "MADAD <space> text grievance" to Helpline number **139.**
   - **iii.** By writing in "Complaint & Suggestion book", available with Station superintendent of concerned Railway Station and with concerned 'Train Superintendent'.

b) **Online public complaint & suggestion channels:**
   - **i.** RailMadad portal website: URL **https://railmadad.indianrailways.gov.in**
   - **ii.** By using APP "**RailMadad**"
   - **iii.** Tweet to concerned DRM/@GM_NRly/@RailwaySeva/@RailMinIndia

c) **Performance handling for the year 2023-24(1.4.2023-31.12.2024) is as under:**
   - **i. RailMadad Based Public Grievances:**

     Public Grievances**:** A total of **3,29,837** public grievances have been resolved out of **3,29,923** received, achieving a performance rate of 99.97%.

     Customer feedback**:** The average rating is satisfactory, with passengers awarding **25,344** Excellent and **22,661** satisfactory feedbacks to Northern Railway. However, **75.94%** of total **3,29,923** passengers did not provide any feedback.
     Average disposal time: 144 minutes (Including Ticket Refund & Luggage Parcel case disposal time).

     Rank of IR:2nd(Highest positive feedback)
   - **ii. Centralized Public Grievance Redress and Monitoring System (CPGRAMS)**: A total of **8,318** complaints have been resolved out of **8,593** complaints, achieving a performance **96.80%** disposal of public grievances. The average time for resolution is **19** days.
   - **iii. Manual/DAK:** A total of **170** complaints have been resolved out of **199** received, resulting in a disposal rate of **85.42%.**

OPERATING

3.2 About the Department

The Operating department is concerned with the running of both passengers and goods trains and is headed by Principal Chief Operating Manager (PCOM).

The department also arranges multi modal traffic in regular coordination with Container Corporation of India. This includes both traffic for export and traffic for domestic use.

The passenger traffic has seen a constant increase over the years, due to increase in population as well as due to increased requirement to travel due to economic development. The freight traffic has also increased simultaneously. The Operating Department has to examine these increasing requirements and has to organize for satisfying the same. This also involves planning for infrastructural development and as such the Operating department also plays a pivotal role in planning.

3.2.1 Highlights of the year

Punctuality performance of Mail/Exp trains and MR trains for the year 2023-2024 is appended below:

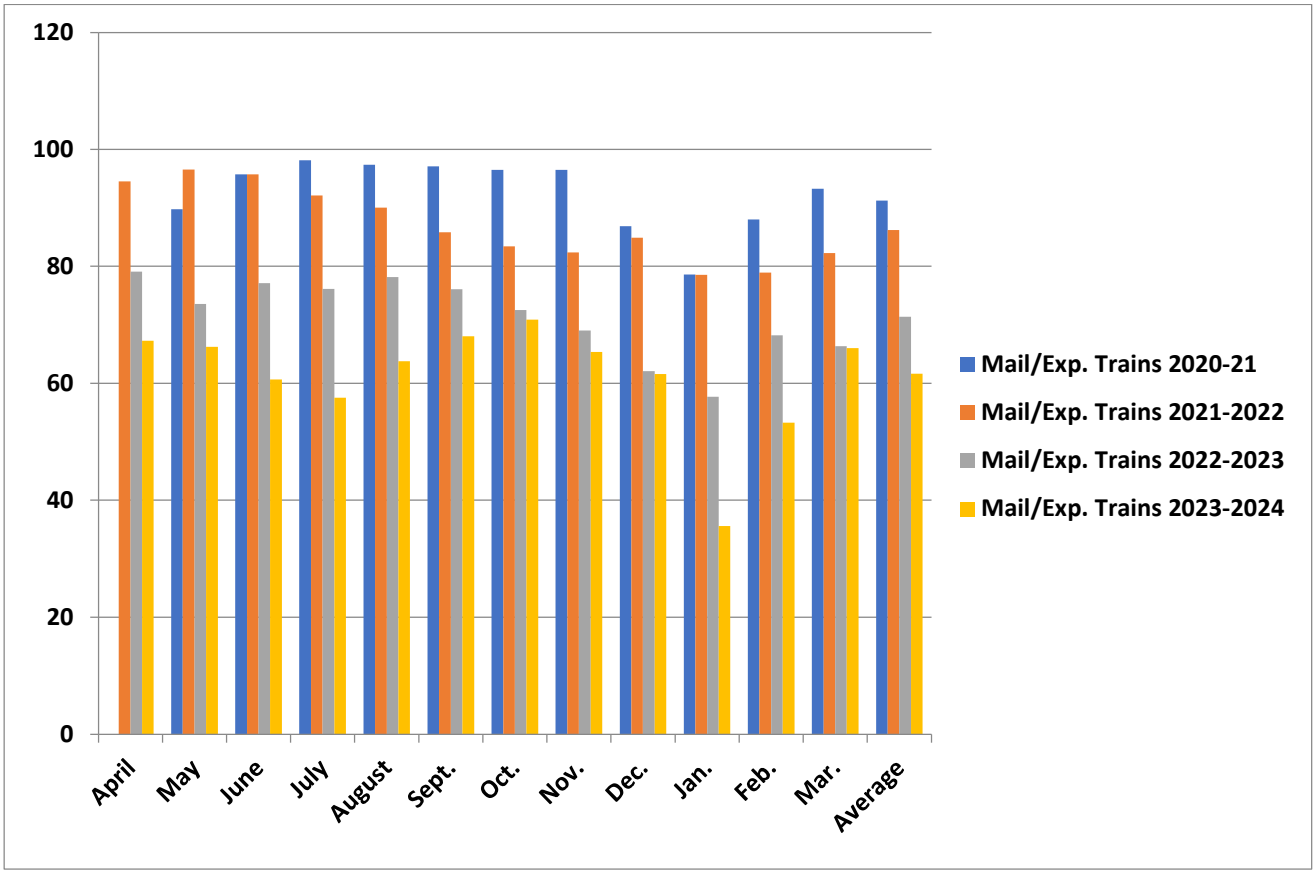
Trains	**Target**	**2023-2024**
Mail/Exp.	75.00%	61.65

Month-wise punctuality performance over Northern Railway

Mail/Exp. Trains				
Month	**2020-21**	**2021-2022**	**2022-2023**	**2023-2024**
April	0	94.52	79.11	**67.27**
May	89.77	96.57	73.56	**66.24**
June	95.73	95.75	77.10	**60.67**
July	98.14	92.12	76.12	**57.52**
August	97.39	90.05	78.16	**63.75**
Sept.	97.10	85.82	76.11	**68.05**
Oct.	96.51	83.44	72.54	**70.89**
Nov.	96.49	82.39	69.02	**65.35**
Dec.	86.89	84.88	62.10	**61.58**
Jan.	78.62	78.56	57.72	**35.59**

Feb.	87.99	78.92	68.19	**53.24**
Mar.	93.29	82.29	66.36	**66.03**
Average	**91.24**	**86.21**	**71.40**	**61.65**

Punctuality performance over the Northern Railway in Graph



3.2.2 Narrative Report (01st April 2023 to 31st March 2024)

A. NEW TRAINS

S. No.	Train No	Train Name	From	To	Frequency	W.E.F.
1	20172/20171	NZM-RKMP Vande Bharat Exp	Nizamuddin	Rani Kamlapati	6 days a week	02.04.2023
2	20978/20977	Delhi Cantt Ajmer Vande Bharat Exp	Delhi Cantt	Ajmer	6 days a week	13.04.2023
3	14527/14528	BTI-SGNR Express	Bhatinda	Sri Ganganagar	6 days a week	15.04.2023
4	22458/22457	Anand Vihar T Vande Bharat Express	Dehradun	AnandVihar T	6 days a week	29.05.2023
5	22549/22550	Vande Bharat Express	Gorakhpur	Lucknow	6 days a week	09.07.2023
6	19271/19272	Bhavnagar - Haridwar Express	Bhavnagar	Haridwar	Weekly	06.09.2023

7	14087/14088	DLI-JSM-DLI Runicha Express. (Inagural-05.10.23)	DLI	JSM	Daily	06.10.2023
8	14719/14720	BKN-ASR Express	BKN	ASR	Weekly	12.10.2023
9	14089/14090	ANVT-KTW Daily express	ANVT	KTW	Daily	28.10.2023
10	15181/15182	MAU-LTT Weekly Express	MAU	LTT	Weekly	16.12.2023
11	16367/16368	CAPE-BSBS-CAPE Weekly Express	CAPE	BSBS	Weekly	24.12.2023
12	22415/22416	BSB-NDLS-BSB Vande Bharat Express.	BSB	NDLS	Six Days a week Except-Tuesday	21.12.2023
13	15557/15558	DBG-ANVT-DBG Bi-weekly Amrit Bharat Express	DBG	ANVT	Bi-Weekly	01.01.2024
14	22478/22477	SVDK-NDLS-SVDK Vande Bharat Express	SVDK	NDLS	Six Days a week except Wednesday	04.01.2024
15	22488/22487	ASR-DLI-ASR Vande Bharat Express	ASR	DLI	Six days a week except Friday.	06.01.2024
16	22426/22425	ANVT-AYC-ANVT Vande Bharat Express	ANVT	AYC	Six days a week except Wednesday.	04.01.2024
17	04489/04490	Rohtak-Hansi PSPC special	Rohtak	Hansi	Daily	27.02.2024
18	04487/04488	Rohtak-Hansi PSPC special	Rohtak	Hansi	Daily	27.02.2024
19	04668/04667	Baramulla-Sangaldan PSPC special	Baramulla	Sangaldan	Daily	21.02.2024
20	04640/04639	Baramulla-Sangaldan PSPC special	Baramulla	Sangaldan	Six days a week except Sunday.	21.02.2024
21	15090/15089	Gomatinagar- Godda Express	Gomatinagar	Godda	Weekly	01.03.2024
22	15015/15016	Amritsar - Lalkuan Express	Amritsar	Lalkun	Weekly	05.03.2024
23	18427/18428	AnandVihar - Puri Express	AnandVihar T	Puri	Weekly	09.03.2024
24	15020/15019	Tanakpur-Dehradun Express	Tanakpur	Dehradun	Weekly	09.03.2024
25	22545/22546	Dehradun-Lucknow Jn Vande Bharat	Dehradun	Lucknow Jn	6 days a week	26.03.2024
26	22470/22469	Nizamuddin-Khajauraho Vande Bharat	Nizamuddin	Khajauraho	6 days a week	15.03.2024
27	20887/20888	Ranchi -Varanasi Vande Bharat	Ranchi	Varanasi	6 days a week	18.03.2024
28	22345/22346	Patna-Gomtinagar Vande Bharat	Patna	Gomtinagar	6 days a week	18.03.2024

B. Extension

S. No.	Train No	Train Name	Extended		W.E.F
			From	To	
1	14624/14623	Firozpur-Chhindwara Express	Chhindwara	Seoni	27.04.2023
2	14259/14260	Lucknow-DD Upadhyaya Jn Express	DD UpadhyayaJn	Gaya	29.04.2023
3	14261/14262	Lucknow-DD Upadhyaya Jn Express	DD UpadhyayaJn	Gaya	27.04.2023
4	54703/54704 (09603/09604)	JP - LHU - JP PASS	LHU	BTI	11.05.2023
5	14310/14309	Dehradun - Ujjain Express	Ujjain	Laxmibai Nagar	31.05.2023

6	04108/04107 64282/64281	Utraitia- Sultanpur	Sultanpur	Shivpur	05.06.2023
7	14724/14723	Bhiwani-Kanpur Kalindi Express	Kanpur	Prayagraj	04.08.2023
8	12494/12493	Nizamuddin-Pune Darshan Express	Pune	Miraj	04.08.2023
9	22129/22130	Lokmanya Tilak T-Prayagraj Express	Prayagraj	Ayodhya Cantt	27.08.2023
10	14011/14012	HSX-DLI Express (New No.11905/11906 w.ef.27.12.23/28.12.23)	Delhi	Agra Cantt	26.08.2023
11	12057/12058	New Delhi - Una Himachal Express	Una Himachal	Daulatpur Chowk	25.08.2023
12	12549/12550	DURG-JAT Express upto Udhampur	Jammu Tawi	Udhampur	29.08.2023
13	14734/14733	Jaipur-Hisar Express (Old no.19791/14825)	Hisar	Bhatinda	13.09.2023
14	20974/20973	Rameshwaram-Ajmer Upto FZR (New Train no.20498/20497 w.e.f.03.02.24/06.02.24)	Rameswaram	Firozpur Cantt. Jn.	03.10.2023
15	18311/18312	Sambalpur- Banaras-Sambalpur Bi-weekly Express up to Visakhapatnam.	Sambalpur	Visakhapatnam	22.11.2023
16	05426/05425	Gorakhpur-Ayodhya-Gorakhpur passenger(Daily) upto Bhatni	Gorakhpur	Bhatni	12.12.2023
17	11071/11072	Lokmanya Tilak Terminus-Banaras-Lokmanya Tilak Terminus Kamayani express (Daily)	Varanasi skipping Banaras	Ballia	10.12.2023
18	05133/05134	Aunirihar-Jaunpur-Aunirihar Passenger (Converted into MEMU)	Aunirihar	Ghazipur city	10.12.2023
19	05143/05144	Aunirihar-Jaunpur-Aunirihar Passenger (Converted into MEMU)	Aunirihar	Ghazipur city	10.12.2023
20	13483/13484	MLDT-DLI-MLDT Farakka Express	Delhi	Bathinda	24.01.2024
21	13413/13414	MLDT-DLI-MLDT Farakka Express	Delhi	Bathinda	25.01.2024
22	12581/12582	NDLS-BSBS two days extend upto Ballia with new number 22581/22582	Banaras	Ballia	30.01.2024
23	54239/54240 (04259/04260)	Mankapur – Ayodhya Dham extended upto Ayodhya Cantt.	Ayodhya Dham	Ayodhya Cantt	25.01.2024
24	12916/12915	DLI-ADI-DLI Aashram Express	ADI	SBIB	01.02.2024
25	04502/04501	Una Himachal - Saharanpur Passenger	Saharanpur	Haridwar	01.03.2024
26	19307/19308	Indore-Chandigarh Express	Chandigarh	Una Himachal	14.03.2024
27	03649/03650	BSBS-BXR upto ARA passenger	BXR	ARA	08.03.2024
28	20977/20978	AII - DEC - AII Vande Bharat Exp.	Delhi Cantt	Chandigarh	14.03.2024
29	22549/22550	Gorakhpur-Lucknow Vande Bharat	Lucknow	Prayagraj	14.03.2024
30	14618/14617	Amritsar-BNKI Express	BNKI	Purnea Court	12.03.2024

C. Experimental stoppage

S. No.	Train No	Train Name	Stoppage	Division	W.E.F.
1	12011/12012	NDLS-KLK Shatabdi	Sonipat	DLI	20.04.2023
2	04618/74614	BRML-BAHL DMU	Ratnipora	FZR	08.05.2023
3	04622/74612	BDGM-BAHL DMU	Ratnipora	FZR	08.05.2023
4	04483/74625	BAHL-BRML DMU	Ratnipora	FZR	08.05.2023
5	04619/74627	BAHL-BRML DMU	Ratnipora	FZR	08.05.2023
6	13005/13006	HWH - ASR Exp	Kartarpur	FZR	14.05.2023
7	14649/14650	JYG - ASR Exp.	Kartarpur	FZR	14.05.2023

8	22457/22458	Vande Bharat Exp.	Deoband	DLI	29.06.2023
9	20409/20410	DLI-BTI Exp.	Mansa	DLI	07.08.2023
10	15073/15074	Triveni Express	Bilpur	MB	07.08.2023
11	22433/22434	Ghazipur-AnandVihar T Exp.	Mariahu	LKO	19.08.2023
12	11071	Lokmanya Tilak Terminus-Banaras Express	Lohta	LKO	11.09.2023
13	14204	Lucknow-Varanasi Express	Lohta	LKO	11.09.2023
14	15128	New Delhi-Banaras K.V Express	Lohta	LKO	11.09.2023
15	01619	DLI-SRE Express Special	Usmanpur Dehat Halt	DLI	21.10.2023
16	01622	SRE-DLI Express Special	Usmanpur Dehat Halt	DLI	21.10.2023
17	04521/04522	DLI-SRE Express Special	Usmanpur Dehat Halt	DLI	21.10.2023
18	14305/14306	DLI-HW Express	Khandrawali	DLI	21.10.2023
19	04547/04548	UMB-BTI	ALAL	UMB	01.11.2023
20	04547/04548	UMB-BTI	GHUNAS	UMB	01.11.2023
21	04547/04548	UMB-BTI	HADIAYA	UMB	01.11.2023
22	04501/04502	SRE-UHL Exp.	DARZAPUR	UMB	01.11.2023
23	04501/04502	SRE-UHL Exp.	TANDWAL	UMB	01.11.2023
24	04571/04572	BNW-DUI Exp.	GAJUWAL HALT	UMB	01.11.2023
25	04571/04572	BNW-DUI Exp.	PRITHALA LALAUDA	UMB	01.11.2023
26	04745/04546	CUR-LDH Exp.	PRITHALA LALAUDA	UMB	01.11.2023
27	04523	SRE-NLDM Exp.	DARZAPUR	UMB	01.11.2023
28	04523	SRE-NLDM Exp.	TANDWAL	UMB	01.11.2023
29	04745	CUR-LDH Exp.	GAJUWAL HALT	UMB	01.11.2023
30	04744	LDH-CUR Exp.	GAJUWAL HALT	UMB	01.11.2023
31	01619	DLI-SRE Express Special	JANDEHERA HALT	DLI	25.11.2023
32	01622	SRE-DLI Express Special	JANDEHERA HALT	DLI	25.11.2023
33	04521	DLI-SRE Express Special	JANDEHERA HALT	DLI	25.11.2023
34	04522	SRE-DLI Express Special	JANDEHERA HALT	DLI	25.11.2023
35	12481/12482	DLI-SGNR-DLI Express	Tohana	DLI	16.12.2023
36	14646/14645	Shalimar Exp	Dasuya	FZR	06.01.2024
37	13152/13151	JAT-KOAA-JAT Express	Dasuya	FZR	06.01.2024
38	11077/11078	PUNE-JAT Jhelum Express	Dasuya	FZR	06.01.2024
39	12238/12237	BSB-JAT-BSB express	Mukerian	FZR	07.01.2024
40	14610	SVDK-RKSH Hemkunt Express	Tanda Urmar	FZR	08.01.2024
41	12317/12318	KOAA-ASR Express	Phagwara	FZR	14.01.2024
42	14546/14545	SRE-DLI-SRE Express	Ailam Halt	DLI	16.01.2024
43	14662/14661	JAT-BME-JAT Express	Dasuya	FZR	03.02.2024
44	14209/14210	Prayag -Lucknow Express	Lal gopal ganj	LKO	21.02.2024
45	20401/20402	Varanasi-Lucknow exp.	Pindra Road	LKO	20.02.2024
46	22478/22477	SVDK-New Delhi Vande Bharat	Martyr Captain Tushar Mahajan	FZR	13.02.2024
47	22478/22477	SVDK-New Delhi Vande Bharat	Kathua	FZR	13.02.2024
48	04487/04488	Rohtak - Hansi Passenger	Sahid Ramphal Balhara Halt	DLI	27.02.2024
49	04487/04488	Rohtak - Hansi Passenger	Kharkara Halt	DLI	27.02.2024
50	04487/04488	Rohtak - Hansi Passenger	Bahalba Halt	DLI	27.02.2024
51	14209/14210	PYGS-LKO Exp	Garhi Manikpur	LKO	22.02.2024
52	20409/20410	DEC - BTI Superfast Exp	Bahadurgarh	DLI	27.02.2024
53	04489/04490	Rohtak - Hansi Passenger	Sahid Ramphal Balhara Halt	DLI	27.02.2024
54	04489/04490	Rohtak - Hansi Passenger	Kharkara Halt	DLI	27.02.2024
55	04489/04490	Rohtak - Hansi Passenger	Bahalba Halt	DLI	27.02.2024

56	12911/12912	BL - HW Express	Tapri	DLI	05.03.2024
57	22659/22660	KCVL-YNRK Express	Tapri	DLI	01.03.2024
58	14649/14650	JYG - ASR Exp.	Dhampur	MB	01.03.2024
59	14673/14674	JYG - ASR Exp.	Dhampur	MB	01.03.2024
60	12037/12038	Kotdwara-Delhi Exp.	Basi Kiratpur	MB	01.03.2024
61	04743/04746	HSR-LDH Pass.	Bharun	UMB	05.03.2024
62	22440/22439	SVDK-NDLS Exp.	Pathankot Cantt	FZR	06.03.2024
63	19223/19224	ADI-JAT Exp.	Goniana	FZR	08.03.2024
64	14623/14624	SEY-FZR Exp.	Goniana	FZR	08.03.2024
65	14231/14232	BST-PYGS Express	Khajurhat	LKO	09.03.2024
66	14113/14114	SFG-DDN Express	Dibai	MB	14.03.2024
67	04429	DLI-SRE Special	Sona Arjunpur	DLI	13.03.2024
68	01622	Saharanpur-Delhi special	Sona Arjunpur	DLI	13.03.2024
69	01622	Saharanpur-Delhi special	Khandrawali Halt	DLI	13.03.2024
70	19609	UDZ-YNRK Express	Kandhla	DLI	14.03.2024
71	14545/14546	DLI-SRE-DLI Express	Sona Arjunpur	DLI	13.03.2024
72	14305/14306	DLI-HW-DLI Express	Sona Arjunpur	DLI	13.03.2024
73	13257/13258	DNR-ANVT-DNR Jan Sadharan	Amethi	LKO	13.03.2024
74	13257/13258	DNR-ANVT-DNR Jan Sadharan	Gauriganj	LKO	13.03.2024
75	19313/19314	INDB-PNBE-INDB Express	Nihalgarh	LKO	13.03.2024
76	11071	LTT-BUI Express	Suriawan	LKO	13.03.2024
77	14319/14320	Indore- Bareilly Express	Babrala	MB	14.03.2024
78	19107/19108	BVC-MCTM Janambhoomi Express	Sultanpur Lodhi	FZR	17.03.2024
79	19415/19416	SBIB-SVDK Express	Sultanpur Lodhi	FZR	18.03.2024
80	19669/19670	UDZ-PPTA Express	Nihalgarh	LKO	15.03.2024
81	14863/14864	BCY-JU Marudhar Express	Musafirkhana	LKO	15.03.2024
82	13005/13006	HWH - ASR Exp	Sirhind	FZR	17.03.2024

D. INCREASE IN FREQUENCY

S. No.	Train No	Train Name	Frequency Increase		W.E.F.
			From	To	
1	04295/04298 64211/64212	LKO-CNB-LKO	05 days a week	Daily	24.06.2023
2	04129/04130 64593/64594	FTP-CNB-FTP	05 days a week	Daily	24.06.2023
3	19307/19308	Indore-Chandigarh Exp.	Weekly	Bi-weekly	04.08.2023
4	14662/14661	JAT-BME-JAT Shalimar-Malani Express (Tri-Weekly to Daily) with cancellation of 14646/14645 JAT-JSM-JAT 04 Days a week w.e.f 01.02.2024)	04 days a week	Daily	01.02.2024
5	14010/14009	Anand Vihar (T)- Bapudham Motihari Express Bi-weekly to Tri-weekly	Bi-weekly	Tri-weekly	13.03.2024

E. PERMANENT AUGMENTATION

- In the year 2023-24, **06** pair of NR trains have been permanently augmented by **21** coaches having **07** rakes. Detailed list attached as Annexure **"A"**.

F. TEMPORARY AUGMENTATION OF TRAINS.

- During the Pooja/ Chhath/ Winter/ Holi/ Mela Rush 2023-24 load of 88 pair of NR trains by 216 coaches having 106 rakes, generating 33470 trips. Detailed list attached as Annexure “B”.

G. CONVERSION OF RAKES

- During 2023-24 ICF (IRS) rakes of 04 pair of NR trains having 06 rakes have been converted into LHB, 03 ICF (IRS) rakes of 04 pair of NR trains have been converted into ICF (CBC) and 07 pair of ICF/DEMU trains having 04 rakes have been converted into MEMU. Detailed list attached as Annexure “C”.

H. MERGER OF RAKES

- During 2023-24, 05 Rake Link have been merged to ensure better utilization of rakes. Detailed list is attached as Annexure “D”

I. STANDARDIZATION OF RAKES

- In the year 2023-24, 15 pair of NR trains have been standardized having 23 rakes and 10 links. Detailed list is attached as Annexure “E”

J. INDUCTION OF AC-3 TIER ECONOMY COACH (LWACCNE)

- To facilitate passengers, NR has attached 64 AC-3 Tier Economy Coaches in 09 pair of NR trains having 11 rakes during the year 2023-24. Detailed list is attached as Annexure “F”

K. INDUCTION OF LSLRD VICE LWLRRM

- In order to save fuel, NR has replaced 10 LWLRRM coaches with 10 LSLRD coaches in 09 pair of NR trains during the year of 2023-24. Detailed list is attached as Annexure “G”

NORTHERN RAILWAY TRAINS AUGMENTED ON REGULAR BASIS DURING 2023-24 (Annexure-'A')															
S. No.	R/S/JS/M/ P/DMU/EMU/ MEMU	Zone	Rake Type	Freq. per week	Train no.	From	To	No. of Trains	Type of coach added	Notified in	W.e.f.	No. of Rakes	Total no. of coaches attached	Total Trips	Total no. of additional berths generated
1	MEMU	NZ	MEMU	7	20412/11	SRE	DLI	1	TC-3	Jul-23	05-07-2023	1	3	1620	210600
	MEMU	NZ	MEMU	7	20412/11	SRE	DLI	0	MC-1	Jul-23	05-07-2023	1	1	540	59400
2	JS	EZ	LHB	1	12408/07	ASR	NJP	1	LWS-3	Jul-23	28-07-2023	1	3	216	21600
3	SUF	CZ	LHB	1	12494/93	NZM	**MRJ**	1	LWSCN-2	Aug-23	04-08-2023	1	2	140	11200
4	EXP	CZ	LHB	1	04044/43	NZM	ABKP	1	LWSCN-2	Aug-23	08-08-2023	0	0	136	10880
5	EXP	NZ	ICF(IRS)	7	14053/54	DLI	DLPC	1	WGSCN-2	Jan-24	11-01-2024	4	8	320	23040
6	EXP	WZ	ICF(IRS)	7	14087/88	DLI	JSM	1	WGSCN-2	Jan-24	13-01-2024	0	0	312	22464
7	EXP	NZ	ICF(IRS)	7	14053/54	DLI	DLPC	0	WGACCN-1	Jan-24	11-01-2024	4	4	156	11388
8	EXP	WZ	ICF(IRS)	7	14087/88	DLI	JSM	0	WGACCN-1	Jan-24	13-01-2024	0	0	156	11544
								6				**7**	**21**	**3596**	**382116**

AUGMENTATION OF NR TRAINS FOR CLEARANCE OF EXTRA RUSH DURING 2023-24 (As on 31-03-2024)

	S.No.	Regular Train No.	Zone	Divn.	Freq.	Augmented by	Running Load	Augmented load	Ex	From	To	Ex.	Freq.	From	To	No. of Rakes	Total No. of coaches	Total Trips	Total seat generated during augmentation
1	1	12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	01-04-2023	02-04-2023	ASR	Daily	02-04-2023	03-04-2023	1	1	4	312
2		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	06-04-2023	06-04-2023	ASR	Daily	07-04-2023	07-04-2023	0	0	2	156
3		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	07-04-2023	07-04-2023	ASR	Daily	08-04-2023	08-04-2023	0	0	2	156
4		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	08-04-2023	09-04-2023	ASR	Daily	09-04-2023	10-04-2023	0	0	4	312
5		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	10-04-2023	30-04-2023	ASR	Daily	11-04-2023	01-05-2023	0	0	42	3276
6		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	01-05-2023	31-05-2023	ASR	Daily	02-05-2023	01-06-2023	0	0	62	4836
7		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	01-06-2023	30-06-2023	ASR	Daily	02-06-2023	01-07-2023	0	0	60	4680
8		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	01-07-2023	09-07-2023	ASR	Daily	02-07-2023	10-07-2023	0	0	18	1404
9		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	11-08-2023	11-08-2023	ASR	Daily	12-08-2023	12-08-2023	0	0	2	156
10		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	12-08-2023	13-08-2023	ASR	Daily	13-08-2023	14-08-2023	0	0	4	312
11		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	29-08-2023	29-08-2023	ASR	Daily	30-08-2023	30-08-2023	0	0	2	156
12		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	31-08-2023	31-08-2023	ASR	Daily	01-09-2023	01-09-2023	0	0	2	156
13		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	03-09-2023	03-09-2023	ASR	Daily	04-09-2023	04-09-2023	0	0	2	156
14		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	30-09-2023	30-09-2023	ASR	Daily	01-10-2023	01-10-2023	0	0	2	156
15		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	22-10-2023	22-10-2023	ASR	Daily	23-10-2023	23-10-2023	0	0	2	156
16		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	09-11-2023	09-11-2023	ASR	Daily	10-11-2023	10-11-2023	0	0	2	156
17		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	10-11-2023	10-11-2023	ASR	Daily	11-11-2023	11-11-2023	0	0	2	156
18		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	13-11-2023	15-11-2023	ASR	Daily	14-11-2023	16-11-2023	0	0	6	468
19		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	17-11-2023	17-11-2023	ASR	Daily	18-11-2023	18-11-2023	0	0	2	156
20		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	18-11-2023	19-11-2023	ASR	Daily	19-11-2023	20-11-2023	0	0	4	312
21		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	24-11-2023	24-11-2023	ASR	Daily	25-11-2023	25-11-2023	0	0	2	156
22		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	30-11-2023	30-11-2023	ASR	Daily	01-12-2023	01-12-2023	0	0	2	156
23		12013/14	NZ	DLI	Daily	LWSCZAC-	18	19	NDLS	01-12-2023	01-12-2023	ASR	Daily	02-12-2023	02-12-2023	0	0	2	156

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24		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	08-12-2023	08-12-2023	ASR	Daily	09-12-2023	09-12-2023	0	0	2	156
25		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	09-12-2023	10-12-2023	ASR	Daily	10-12-2023	11-12-2023	0	0	4	312
26		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	17-12-2023	17-12-2023	ASR	Daily	18-12-2023	18-12-2023	0	0	2	156
27		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	22-12-2023	22-12-2023	ASR	Daily	23-12-2023	23-12-2023	0	0	2	156
28		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	23-12-2023	26-12-2023	ASR	Daily	24-12-2023	27-12-2023	0	0	8	624
29		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	28-12-2023	28-12-2023	ASR	Daily	29-12-2023	29-12-2023	0	0	2	156
30		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	29-12-2023	29-12-2023	ASR	Daily	30-12-2023	30-12-2023	0	0	2	156
31		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	30-12-2023	01-01-2024	ASR	Daily	31-12-2023	02-01-2024	0	0	6	468
32		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	05-01-2024	05-01-2024	ASR	Daily	06-01-2024	06-01-2024	0	0	2	156
33		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	12-01-2024	12-01-2024	ASR	Daily	13-01-2024	13-01-2024	0	0	2	156
34		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	25-01-2024	25-01-2024	ASR	Daily	26-01-2024	26-01-2024	0	0	2	156
35		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	23-02-2024	23-02-2024	ASR	Daily	24-02-2024	24-02-2024	0	0	2	156
36		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	24-02-2024	24-02-2024	ASR	Daily	25-02-2024	25-02-2024	0	0	2	156
37		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	01-03-2024	01-03-2024	ASR	Daily	02-03-2024	02-03-2024	0	0	2	156
38		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	23-03-2024	29-03-2024	ASR	Daily	24-03-2024	30.03.2024	0	0	14	1092
39		12013/14	NZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	30-03-2024	31-03-2024	ASR	Daily	31-03-2024	01-04-2024	0	0	4	312
40	2	12015/16	WZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	12-08-2023	12-08-2023	AII	Daily	12-08-2023	12-08-2023	1	1	2	156
41		12015/16	WZ	DLI	Daily	LWSCZAC-1	18	19	NDLS	30-09-2023	30-09-2023	AII	Daily	30-09-2023	30-09-2023	0	0	2	156
42		12015/16	WZ	DLI	Daily	LWSCZAC-1	18	19	AII	21-10-2023	26-10-2023	NDLS	Daily	22-10-2023	27-10-2023	0	0	12	936
43		12015/16	WZ	DLI	Daily	LWSCZAC-1	18	19	AII	13-01-2024	13-01-2024	NDLS	Daily	13-01-2024	13-01-2024	0	0	2	156
44	3	12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	01-04-2023	03-04-2023	ASR	Except-4	01-04-2023	03-04-2023	1	1	6	468
45		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	07-04-2023	07-04-2023	ASR	Except-4	07-04-2023	07-04-2023	0	0	2	156
46		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	08-04-2023	09-04-2023	ASR	Except-4	08-04-2023	09-04-2023	0	0	4	312
47		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	10-04-2023	30-04-2023	ASR	Except-4	10-04-2023	30-04-2023	0	0	36	2808
48		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	01-05-2023	31-05-2023	ASR	Except-4	01-05-2023	31-05-2023	0	0	54	4212
49		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	01-06-2023	30-06-2023	ASR	Except-4	01-06-2023	30-06-2023	0	0	50	3900

50		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	01-07-2023	09-07-2023	ASR	Except-4	01-07-2023	09-07-2023	0	0	16	1248
51		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	11-08-2023	11-08-2023	ASR	Except-4	11-08-2023	11-08-2023	0	0	2	156
52		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	12-08-2023	15-08-2023	ASR	Except-4	12-08-2023	15-08-2023	0	0	8	624
53		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	26-08-2023	27-08-2023	ASR	Except-4	26-08-2023	27-08-2023	0	0	4	312
54		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	01-09-2023	01-09-2023	ASR	Except-4	01-09-2023	01-09-2023	0	0	2	156
55		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	03-09-2023	03-09-2023	ASR	Except-4	03-09-2023	03-09-2023	0	0	2	156
56		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	08-09-2023	08-09-2023	ASR	Except-4	08-09-2023	08-09-2023	0	0	2	156
57		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	10-09-2023	10-09-2023	ASR	Except-4	10-09-2023	10-09-2023	0	0	2	156
58		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	23-09-2023	24-09-2023	ASR	Except-4	23-09-2023	24-09-2023	0	0	4	312
59		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	30-09-2023	02-10-2023	ASR	Except-4	30-09-2023	02-10-2023	0	0	6	468
60		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	04-11-2023	05-11-2023	ASR	Except-4	04-11-2023	05-11-2023	0	0	4	312
61		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	03-12-2023	03-12-2023	ASR	Except-4	03-12-2023	03-12-2023	0	0	2	156
62		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	16-12-2023	16-12-2023	ASR	Except-4	16-12-2023	16-12-2023	0	0	2	156
63		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	17-12-2023	17-12-2023	ASR	Except-4	17-12-2023	17-12-2023	0	0	2	156
64		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	22-12-2023	22-12-2023	ASR	Except-4	22-12-2023	22-12-2023	0	0	2	156
65		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	23-12-2023	27-12-2023	ASR	Except-4	23-12-2023	27-12-2023	0	0	10	780
66		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	29-12-2023	29-12-2023	ASR	Except-4	29-12-2023	29-12-2023	0	0	2	156
67		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	30-12-2023	02-01-2024	ASR	Except-4	30-12-2023	02-01-2024	0	0	8	624
68		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	12-01-2024	12-01-2024	ASR	Except-4	12-01-2024	12-01-2024	0	0	2	156
69		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	26-01-2024	26-01-2024	ASR	Except-4	26-01-2024	26-01-2024	0	0	2	156
70		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	28-01-2024	28-01-2024	ASR	Except-4	28-01-2024	28-01-2024	0	0	2	156
71		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	09-02-2024	09-02-2024	ASR	Except-4	09-02-2024	09-02-2024	0	0	2	156
72		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	11-02-2024	11-02-2024	ASR	Except-4	11-02-2024	11-02-2024	0	0	2	156
73		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	02-03-2024	03-03-2024	ASR	Except-4	02-03-2024	03-03-2024	0	0	4	312
74		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	06-03-2024	06-03-2024	ASR	Except-4	06-03-2024	06-03-2024	0	0	2	156
75		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	08-03-2024	08-03-2024	ASR	Except-4	08-03-2024	08-03-2024	0	0	2	156
76		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	09-03-2024	11-03-2024	ASR	Except-4	09-03-2024	11-03-2024	0	0	6	468

77		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	15-03-2024	15-03-2024	ASR	Except-4	15-03-2024	15-03-2024	0	0	2	156
78		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	13-03-2024	13-03-2024	ASR	Except-4	13-03-2024	13-03-2024	0	0	2	156
79		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	16-03-2024	20-03-2024	ASR	Except-4	16-03-2024	20-03-2024	0	0	10	780
80		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	22-03-2024	22-03-2024	ASR	Except-4	22-03-2024	22-03-2024	0	0	2	156
81		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	23-03-2024	29-03-2024	ASR	Except-4	23-03-2024	29-03-2024	0	0	12	936
82		12029/30	NZ	DLI	Except-4	LWSCZAC-1	19	20	NDLS	30-03-2024	31-03-2024	ASR	Except-4	30-03-2024	31-03-2024	0	0	4	312
83	4	12031/32	NZ	DLI	4	LWSCZAC-1	18	19	NDLS	06-04-2023	06-04-2023	ASR	4	06-04-2023	06-04-2023	1	1	2	156
84		12031/32	NZ	DLI	4	LWSCZAC-1	18	19	NDLS	07-09-2023	07-09-2023	ASR	4	07-09-2023	07-09-2023	0	0	2	156
85		12031/32	NZ	DLI	4	LWSCZAC-1	18	19	NDLS	07-12-2023	07-12-2023	ASR	4	07-12-2023	07-12-2023	0	0	2	156
86		12031/32	NZ	DLI	4	LWSCZAC-1	18	19	NDLS	28-12-2023	28-12-2023	ASR	4	28-12-2023	28-12-2023	0	0	2	156
87		12031/32	NZ	DLI	4	LWSCZAC-1	18	19	NDLS	25-01-2024	25-01-2024	ASR	4	25-01-2024	25-01-2024	0	0	2	156
88		12031/32	NZ	DLI	4	LWSCZAC-1	18	19	NDLS	28-03-2024	28-03-2024	ASR	4	28-03-2024	28-03-2024	0	0	2	156
89	5	12040/39	NZ	DLI	Daily	LWSCZAC-1	14	15	NDLS	07-04-2023	07-04-2023	KGM	Daily	07-04-2023	07-04-2023	1	1	2	156
90		12040/39	NZ	DLI	Daily	LWSCZAC-1	14	15	NDLS	10-04-2023	30-04-2023	KGM	Daily	10-04-2023	30-04-2023	0	0	42	3276
91		12040/39	NZ	DLI	Daily	LWSCZAC-1	14	15	NDLS	01-05-2023	31-05-2023	KGM	Daily	01-05-2023	31-05-2023	0	0	62	4836
92		12040/39	NZ	DLI	Daily	LWSCZAC-1	14	15	NDLS	01-06-2023	30-06-2023	KGM	Daily	01-06-2023	30-06-2023	0	0	60	4680
93		12040/39	NZ	DLI	Daily	LWSCZAC-1	14	15	NDLS	01-07-2023	09-07-2023	KGM	Daily	01-07-2023	09-07-2023	0	0	18	1404
94		12040/39	NZ	DLI	Daily	LWSCZAC-1	14	15	NDLS	07-09-2023	07-09-2023	KGM	Daily	07-09-2023	07-09-2023	0	0	2	156
95		12040/39	NZ	DLI	Daily	LWSCZAC-1	14	15	NDLS	28-09-2023	28-09-2023	KGM	Daily	28-09-2023	28-09-2023	0	0	2	156
96		12040/39	NZ	DLI	Daily	LWSCZAC-1	14	15	NDLS	30-09-2023	30-09-2023	KGM	Daily	30-09-2023	30-09-2023	0	0	2	156
97		12040/39	NZ	DLI	Daily	LWSCZAC-1	14	15	NDLS	09-11-2023	10-11-2023	KGM	Daily	09-11-2023	10-11-2023	0	0	4	312
98		12040/39	NZ	DLI	Daily	LWSCZAC-1	14	15	NDLS	23-03-2024	24-03-2024	KGM	Daily	23-03-2024	24-03-2024	0	0	4	312
99	6	12046/45	NZ	UMB	Except-3	LWSCZAC-1	13	14	CDG	09-04-2023	09-04-2023	NDLS	Except-3	09-04-2023	09-04-2023	1	1	2	156
100		12046/45	NZ	UMB	Except-3	LWFCZAC-1	13	14	CDG	10-04-2023	30-04-2023	NDLS	Except-3	10-04-2023	30-04-2023	1	1	36	2016
101		12046/45	NZ	UMB	Except-3	LWFCZAC-1	13	14	CDG	01-05-2023	31-05-2023	NDLS	Except-3	01-05-2023	31-05-2023	0	0	52	2912
102		12046/45	NZ	UMB	Except-3	LWFCZAC-1	13	14	CDG	01-06-2023	30-06-2023	NDLS	Except-3	01-06-2023	30-06-2023	0	0	52	2912
103		12046/45	NZ	UMB	Except-3	LWFCZAC-1	13	14	CDG	01-07-2023	09-07-2023	NDLS	Except-3	01-07-2023	09-07-2023	0	0	16	896

104		12046/45	NZ	UMB	Except-3	LWSCZAC-1	14	**15**	CDG	08-06-2023	30-06-2023	NDLS	Except-3	08-06-2023	30-06-2023	1	1	40	3120
105		12046/45	NZ	UMB	Except-3	LWSCZAC-1	14	**15**	CDG	01-07-2023	31-07-2023	NDLS	Except-3	01-07-2023	31-07-2023	0	0	54	4212
106		12046/45	NZ	UMB	Except-3	LWSCZAC-1	13	**14**	CDG	01-08-2023	31-08-2023	NDLS	Except-3	01-08-2023	31-08-2023	0	0	52	4056
107		12046/45	NZ	UMB	Except-3	LWSCZAC-1	13	**14**	CDG	01-09-2023	30-09-2023	NDLS	Except-3	01-09-2023	30-09-2023	0	0	52	4056
108		12046/45	NZ	UMB	Except-3	LWSCZAC-1	13	**14**	CDG	01-10-2023	31-10-2023	NDLS	Except-3	01-10-2023	31-10-2023	0	0	54	4212
109		12046/45	NZ	UMB	Except-3	LWSCZAC-1	14	**15**	CDG	20-10-2023	20-10-2023	NDLS	Except-3	20-10-2023	20-10-2023	0	0	2	156
110		12046/45	NZ	UMB	Except-3	LWSCZAC-1	13	**14**	CDG	01-11-2023	30-11-2023	NDLS	Except-3	01-11-2023	30-11-2023	0	0	50	3900
111		12046/45	NZ	UMB	Except-3	LWSCZAC-1	13	**14**	CDG	01-12-2023	31-12-2023	NDLS	Except-3	01-12-2023	31-12-2023	0	0	54	4212
112		12046/45	NZ	UMB	Except-3	LWSCZAC-1	13	**14**	CDG	01-01-2024	31-01-2024	NDLS	Except-3	01-01-2024	31-01-2024	0	0	52	4056
113		12046/45	NZ	UMB	Except-3	LWSCZAC-1	14	**15**	CDG	25-01-2024	25-01-2024	NDLS	Except-3	25-01-2024	25-01-2024	0	0	2	156
114		12046/45	NZ	UMB	Except-3	LWSCZAC-1	13	**14**	CDG	01-02-2024	29-02-2024	NDLS	Except-3	01-02-2024	29-02-2024	0	0	50	3900
115		12046/45	NZ	UMB	Except-3	LWSCZAC-1	13	**14**	CDG	01-03-2024	31-03-2024	NDLS	Except-3	01-03-2024	31-03-2024	0	0	54	4212
116		12046/45	NZ	UMB	Except-3	LWSCZAC-1	14	**15**	CDG	22-02-2024	25-02-2024	NDLS	Except-3	22-02-2024	25-02-2024	0	0	8	624
117		12046/45	NZ	UMB	Except-3	LWSCZAC-1	14	**15**	CDG	01-03-2024	01-03-2024	NDLS	Except-3	01-03-2024	01-03-2024	0	0	2	156
118		12046/45	NZ	UMB	Except-3	LWSCZAC-1	14	**15**	CDG	02-03-2024	03-03-2024	NDLS	Except-3	02-03-2024	03-03-2024	0	0	4	312
119		12046/45	NZ	UMB	Except-3	LWSCZAC-1	14	**15**	CDG	07-03-2024	07-03-2024	NDLS	Except-3	07-03-2024	07-03-2024	0	0	2	156
120	7	12054/53	NZ	FZR	Except-4	WGSCZJ-1	9	10	ASR	02-04-2023	02-04-2023	HW	Except-4	02-04-2023	02-04-2023	1	1	2	206
121		12054/53	NZ	FZR	Except-4	WGSCZJ-1	9	10	ASR	09-04-2023	09-04-2023	HW	Except-4	09-04-2023	09-04-2023	0	0	2	206
122		12054/53	NZ	FZR	Except-4	WGSCZJ-1	9	10	ASR	10-04-2022	30-04-2023	HW	Except-4	10-04-2022	30-04-2023	0	0	36	3708
123		12054/53	NZ	FZR	Except-4	WGSCZJ-1	9	10	ASR	01-05-2023	31-05-2023	HW	Except-4	01-05-2023	31-05-2023	0	0	54	5562
124		12054/53	NZ	FZR	Except-4	WGSCZJ-1	9	10	ASR	01-06-2023	30-06-2023	HW	Except-4	01-06-2023	30-06-2023	0	0	50	5150
125		12054/53	NZ	FZR	Except-4	WGSCZJ-1	9	10	ASR	01-07-2023	09-07-2023	HW	Except-4	01-07-2023	09-07-2023	0	0	16	1648
126		12054/53	NZ	FZR	Except-4	WGSCZACJ-1	10	11	ASR	10-04-2022	30-04-2023	HW	Except-4	10-04-2022	30-04-2023	1	1	36	2628
127		12054/53	NZ	FZR	Except-4	WGSCZACJ-1	10	11	ASR	01-05-2023	31-05-2023	HW	Except-4	01-05-2023	31-05-2023	0	0	54	3942
128		12054/53	NZ	FZR	Except-4	WGSCZACJ-1	10	11	ASR	01-06-2023	30-06-2023	HW	Except-4	01-06-2023	30-06-2023	0	0	50	3650
129		12054/53	NZ	FZR	Except-4	WGSCZACJ-1	10	11	ASR	01-07-2023	09-07-2023	HW	Except-4	01-07-2023	09-07-2023	0	0	16	1168
130		12054/53	NZ	FZR	Except-4	WGSCZJ-1	11	12	ASR	19-05-2023	19-05-2023	HW	Except-4	19-05-2023	19-05-2023	1	1	2	206

131		12054/53	NZ	FZR	Except-4	WGSCZJ-1	11	12	ASR	24-05-2023	24-05-2023	HW	Except-4	24-05-2023	24-05-2023	0	0	2	206
132		12054/53	NZ	FZR	Except-4	WGSCZJ-1	11	12	ASR	26-05-2023	26-05-2023	HW	Except-4	26-05-2023	26-05-2023	0	0	2	206
133		12054/53	NZ	FZR	Except-4	WGSCZJ-1	11	12	ASR	27-05-2023	29-05-2023	HW	Except-4	27-05-2023	29-05-2023	0	0	6	618
134		12054/53	NZ	FZR	Except-4	WGSCZJ-1	11	12	ASR	09-06-2023	09-06-2023	HW	Except-4	09-06-2023	09-06-2023	0	0	2	206
135		12054/53	NZ	FZR	Except-4	WGSCZJ-1	11	12	ASR	10-06-2023	13-06-2023	HW	Except-4	10-06-2023	13-06-2023	0	0	8	824
136		12054/53	NZ	FZR	Except-4	WGSCZJ-1	9	10	ASR	15-09-2023	15-09-2023	HW	Except-4	15-09-2023	15-09-2023	0	0	2	206
137		12054/53	NZ	FZR	Except-4	WGSCZJ-1	9	10	ASR	20-10-2023	29-11-2023	HW	Except-4	20-10-2023	29-11-2023	0	0	72	7416
138		12054/53	NZ	FZR	Except-4	WGSCZJ-1	10	11	ASR	17-11-2023	17-11-2023	HW	Except-4	17-11-2023	17-11-2023	0	0	2	206
139		12054/53	NZ	FZR	Except-4	WGSCZJ-1	10	11	ASR	27-11-2023	27-11-2023	HW	Except-4	27-11-2023	27-11-2023	0	0	2	206
140		12054/53	NZ	FZR	Except-4	WGSCZ-1	9	10	ASR	15-03-2024	29-03-2024	HW	Except-4	15-03-2024	29-03-2024	1	1	26	2808
141	8	12055/56	NZ	DLI	Daily	LWSCZ-1	15	16	DDN	15-03-2024	31-03-2024	ASR	Daily	16-03-2024	01-04-2024	2	2	34	3468
142	9	12057/58	NZ	DLI	Daily	LWSCZ-1	15	16	NDLS	15-03-2024	31-03-2024	ASR	Daily	16-03-2024	01-04-2024	0	0	34	3468
143	10	12231/32	EZ	LKO	Daily	WGFAC-1	22	23	LKO	01-04-2023	29-02-2024	CDG	Daily	02-04-2023	01-03-2024	4	4	670	12060
144	11	14218/17	EZ	LKO	Daily	WGFAC-1	22	23	CDG	01-04-2023	30-11-2023	PYGS	Daily	02-04-2023	01-12-2023	0	0	488	8784
145		12231/32	EZ	LKO	Daily	WGSCN-1	23	24	LKO	01-04-2023	29-02-2024	CDG	Daily	02-04-2023	01-03-2024	4	4	670	48240
146		14217/18	EZ	LKO	Daily	WGSCN-1	23	24	CDG	01-04-2023	30-11-2023	PYGS	Daily	02-04-2023	01-12-2023	0	0	488	35136
147	12	12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	20-04-2023	20-04-2023	MDP	5	21-04-2023	21-04-2023	1	1	2	160
148		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	27-04-2023	27-04-2023	MDP	5	28-04-2023	28-04-2023	0	0	2	160
149		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	04-05-2023	04-05-2023	MDP	5	05-05-2023	05-05-2023	0	0	2	160
150		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	11-05-2023	11-05-2023	MDP	5	12-05-2023	12-05-2023	0	0	2	160
151		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	18-05-2023	18-05-2023	MDP	5	19-05-2023	19-05-2023	0	0	2	160
152		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	25-05-2023	25-05-2023	MDP	5	26-05-2023	26-05-2023	0	0	2	160
153		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	01-06-2023	01-06-2023	MDP	5	02-06-2023	02-06-2023	0	0	2	160
154		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	08-06-2023	08-06-2023	MDP	5	09-06-2023	09-06-2023	0	0	2	160
155		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	15-06-2023	15-06-2023	MDP	5	16-06-2023	16-06-2023	0	0	2	160
156		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	22-06-2023	22-06-2023	MDP	5	23-06-2023	23-06-2023	0	0	2	160
157		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	29-06-2023	29-06-2023	MDP	5	30-06-2023	30-06-2023	0	0	2	160
158		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	06-07-2023	06-07-2023	MDP	5	07-07-2023	07-07-2023	0	0	2	160
159		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	10-08-2023	10-08-2023	MDP	5	11-08-2023	11-08-2023	0	0	2	160
160		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	17-08-2023	17-08-2023	MDP	5	18-08-2023	18-08-2023	0	0	2	160
161		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	24-08-2023	24-08-2023	MDP	5	25-08-2023	25-08-2023	0	0	2	160
162		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	07-09-2023	07-09-2023	MDP	5	08-09-2023	08-09-2023	0	0	2	160
163		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	28-09-2023	28-09-2023	MDP	5	29-09-2023	29-09-2023	0	0	2	160

164		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	05-10-2023	05-10-2023	MDP	5	06-10-2023	06-10-2023	0	0	2	160
165		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	12-10-2023	12-10-2023	MDP	5	13-10-2023	13-10-2023	0	0	2	160
166		12236/35	EZ	DLI	4	LWSCN-1	20	21	ANVT	19-10-2023	30-11-2023	MDP	5	20-10-2023	01-12-2023	0	0	14	1120
167		12236/35	EZ	DLI	4	LWACCNE-1	20	21	ANVT	07-12-2023	29-02-2024	MDP	5	08-12-2023	01-03-2024	1	1	26	2080
168		12236/35	EZ	DLI	4	LWACCNE-1	20	21	ANVT	07-03-2024	28-03-2024	MDP	5	08-03-2024	29-03-2024	0	0	8	640
169	13	22460/59	EZ	DLI	1	LWSCN-1	20	21	ANVT	24-04-2023	24-04-2023	MDP	2	25-04-2023	25-04-2023	0	0	2	160
170		22460/59	EZ	DLI	1	LWSCN-1	20	21	ANVT	01-05-2023	01-05-2023	MDP	2	02-05-2023	02-05-2023	0	0	2	160
171		22460/59	EZ	DLI	1	LWSCN-1	20	21	ANVT	08-05-2023	08-05-2023	MDP	2	09-05-2023	09-05-2023	0	0	2	160
172		22460/59	EZ	DLI	1	LWSCN-1	20	21	ANVT	15-05-2023	15-05-2023	MDP	2	16-05-2023	16-05-2023	0	0	2	160
173		22460/59	EZ	DLI	1	LWSCN-1	20	21	ANVT	22-05-2023	22-05-2023	MDP	2	23-03-2023	23-05-2023	0	0	2	160
174		22460/59	EZ	DLI	1	LWSCN-1	20	21	ANVT	29-05-2023	29-05-2023	MDP	2	30-05-2023	30-05-2023	0	0	2	160
175		22460/59	EZ	DLI	1	LWSCN-1	20	21	ANVT	05-06-2023	05-06-2023	MDP	2	06-06-2023	06-06-2023	0	0	2	160
176		22460/59	EZ	DLI	1	LWSCN-1	20	21	ANVT	12-06-2023	12-06-2023	MDP	2	13-06-2023	13-06-2023	0	0	2	160
177		22460/59	EZ	DLI	1	LWSCN-1	20	21	ANVT	19-06-2023	19-06-2023	MDP	2	20-06-2023	20-06-2023	0	0	2	160
178		22460/59	EZ	DLI	1	LWSCN-1	20	21	ANVT	26-06-2023	26-06-2023	MDP	2	27-06-2023	27-06-2023	0	0	2	160
179		22460/59	EZ	DLI	1	LWSCN-1	20	21	ANVT	03-07-2023	03-07-2023	MDP	2	04-07-2023	04-07-2023	0	0	2	160
180		22460/59	EZ	DLI	1	LWSCN-1	20	21	ANVT	24-07-2023	24-07-2023	MDP	2	25-07-2023	25-07-2023	0	0	2	160
181		22460/59	EZ	DLI	1	LWSCN-1	20	21	ANVT	28-08-2023	28-08-2023	MDP	2	29-08-2023	29-08-2023	0	0	2	160
182		22460/59	EZ	DLI	1	LWSCN-1	20	21	ANVT	02-10-2023	02-10-2023	MDP	2	03-10-2023	03-10-2023	0	0	2	160
183		22460/59	EZ	DLI	1	LWSCN-1	20	21	ANVT	16-10-2023	16-10-2023	MDP	2	17-10-2023	17-10-2023	0	0	2	160
184		22460/59	EZ	DLI	1	LWSCN-1	20	21	ANVT	23-10-2023	27-11-2023	MDP	2	24-10-2023	28-11-2023	0	0	12	960
185		22460/59	EZ	DLI	1	LWACCNE-1	20	21	ANVT	04-12-2023	26-02-2024	MDP	2	05-12-2023	27-02-2024	0	0	26	2080
186		22460/59	EZ	DLI	1	LWACCNE-1	20	21	ANVT	04-03-2024	25-03-2024	MDP	2	05-03-2024	26-03-2024	0	0	8	640
187	14	12237/38	EZ	LKO	Daily	CWGSCN-1	23	24	BSB	01-04-2023	30-04-2023	JAT	Daily	02-04-2023	01-02-2023	3	3	60	4320
188		12237/38	EZ	LKO	Daily	CWGSCN-1	23	24	BSB	01-05-2023	31-05-2023	JAT	Daily	02-05-2023	01-06-2023	0	0	62	4464
189		12237/38	EZ	LKO	Daily	CWGSCN-1	23	24	BSB	01-06-2023	30-06-2023	JAT	Daily	02-06-2023	01-07-2023	0	0	60	4320
190		12237/38	EZ	LKO	Daily	CWGSCN-1	23	24	BSB	01-07-2023	31-07-2023	JAT	Daily	02-07-2023	01-08-2023	0	0	62	4464
191		12237/38	EZ	LKO	Daily	CWGSCN-1	23	24	BSB	01-08-2023	31-08-2023	JAT	Daily	02-08-2023	01-09-2023	0	0	62	4464
192		12237/38	EZ	LKO	Daily	CWGSCN-1	23	24	BSB	01-09-2023	30-09-2023	JAT	Daily	02-09-2023	01-10-2023	0	0	60	4320
193		12237/38	EZ	LKO	Daily	CWGSCN-1	23	24	BSB	01-10-2023	31-10-2023	JAT	Daily	02-10-2023	01-11-2023	0	0	62	4464
194		12237/38	EZ	LKO	Daily	CWGSCN-1	23	24	BSB	01-11-2023	31-01-2024	JAT	Daily	02-11-2023	01-02-2024	0	0	184	13248
195		12237/38	EZ	LKO	Daily	CWGSCN-1	23	24	BSB	01-02-2024	29-02-2024	JAT	Daily	02-02-2024	01-03-2024	0	0	58	4176
196		12237/38	EZ	LKO	Daily	CWGSCN-1	23	24	BSB	01-03-2024	31-03-2024	JAT	Daily	02-03-2024	01-04-2024	0	0	62	4464
197	15	12241/42	NZ	DLI	Daily	LWACCN-2	11	13	CDG	01-04-2023	31-05-2023	ASR	Daily	02-04-2023	01-06-2023	1	2	244	17568
198		12241/42	NZ	DLI	Daily	LWACCN-2	11	13	CDG	01-06-2023	31-08-2023	ASR	Daily	02-06-2023	01-09-2023	0	0	368	26496
199		12241/42	NZ	DLI	Daily	LWACCN-2	11	13	CDG	01-09-2023	31-10-2023	ASR	Daily	02-09-2023	01-11-2023	0	0	244	17568
200		12241/42	NZ	DLI	Daily	LWACCN-2	11	13	CDG	01-11-2023	31-01-2024	ASR	Daily	02-11-2023	01-02-2024	0	0	120	8640
201		12241/42	NZ	DLI	Daily	LWACCN-2	11	13	CDG	01-03-2024	31-03-2024	ASR	Daily	02-03-2024	01-04-2024	0	0	124	8928
202		12241/42	NZ	DLI	Daily	LWACCW-1	13	14	CDG	01-04-2023	31-05-2023	ASR	Daily	02-04-2023	01-06-2023	1	1	122	6588

203		12241/42	NZ	DLI	Daily	LWACCW-1	13	14	CDG	01-06-2023	31-08-2023	ASR	Daily	02-06-2023	01-09-2023	0	0	184	9936
204		12241/42	NZ	DLI	Daily	LWACCW-1	13	14	CDG	01-09-2023	31-10-2023	ASR	Daily	02-09-2023	01-11-2023	0	0	122	6588
205		12241/42	NZ	DLI	Daily	LWACCW-1	13	14	CDG	01-11-2023	31-01-2024	ASR	Daily	02-11-2023	01-02-2024	0	0	60	3240
206		12241/42	NZ	DLI	Daily	LWACCW-1	13	14	CDG	01-03-2024	31-03-2024	ASR	Daily	02-03-2024	01-04-2024	0	0	62	3348
207		12241/42	NZ	DLI	Daily	LWACCN-1	14	15	CDG	10-04-2023	09-07-2023	ASR	Daily	11-04-2023	10-07-2023	1	1	182	13104
208	16	12424/23	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	17-05-2023	23-05-2023	DBRG	Daily	19-05-2023	25-05-2023	0	0	14	1008
209		12424/23	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	24-05-2023	24-05-2023	DBRG	Daily	26-05-2023	26-05-2023	0	0	2	144
210		12424/23	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	26-05-2023	31-05-2023	DBRG	Daily	28-05-2023	02-06-2023	0	0	12	864
211		12424/23	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	01-06-2023	01-06-2023	DBRG	Daily	03-06-2023	03-06-2023	0	0	2	144
212		12424/23	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	02-06-2023	02-06-2023	DBRG	Daily	04-06-2023	04-06-2023	0	0	2	144
213		12424/23	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	03-06-2023	09-06-2023	DBRG	Daily	05-06-2023	11-06-2023	0	0	14	1008
214		12424/23	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	10-06-2023	16-06-2023	DBRG	Daily	12-06-2023	18-06-2023	0	0	14	1008
215		12424/23	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	17-06-2023	23-06-2023	DBRG	Daily	19-06-2023	25-06-2023	0	0	14	1008
216		12424/23	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	24-06-2023	30-06-2023	DBRG	Daily	26-06-2023	02-07-2023	0	0	14	1008
217		12424/23	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	01-07-2023	07-07-2023	DBRG	Daily	03-07-2023	09-07-2023	0	0	14	1008
218		12424/23	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	08-07-2023	14-07-2023	DBRG	Daily	10-07-2023	16-07-2023	0	0	14	1008
219		12424/23	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	22-10-2023	22-10-2023	DBRG	Daily	24-10-2023	24-10-2023	0	0	2	144
220	17	12425/26	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	10-05-2023	16-05-2023	JAT	Daily	11-05-2023	17-05-2023	6	6	14	1008
221		12425/26	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	17-05-2023	23-05-2023	JAT	Daily	18-05-2023	24-05-2023	0	0	14	1008
222		12425/26	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	24-05-2023	31-05-2023	JAT	Daily	25-05-2023	01-06-2023	0	0	16	1152
223		12425/26	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	01-06-2023	01-06-2023	JAT	Daily	02-06-2023	02-06-2023	0	0	2	144
224		12425/26	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	02-06-2023	02-06-2023	JAT	Daily	03-06-2023	03-06-2023	0	0	2	144
225		12425/26	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	03-06-2023	09-06-2023	JAT	Daily	04-06-2023	10-06-2023	0	0	14	1008
226		12425/26	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	10-06-2023	16-06-2023	JAT	Daily	11-06-2023	17-06-2023	0	0	14	1008
227		12425/26	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	17-06-2023	23-06-2023	JAT	Daily	18-06-2023	24-06-2023	0	0	14	1008
228		12425/26	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	24-06-2023	30-06-2023	JAT	Daily	25-06-2023	01-07-2023	0	0	14	1008
229		12425/26	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	01-07-2023	07-07-2023	JAT	Daily	02-07-2023	08-07-2023	0	0	14	1008
230		12425/26	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	08-07-2023	14-07-2023	JAT	Daily	09-07-2023	15-07-2023	0	0	14	1008
231	18	12429/30	EZ	LKO	Daily	LWACCN-1	21	22	LKO	30-05-2023	31-05-2023	NDLS	Daily	30-05-2023	01-06-2023	2	2	4	288
232		12429/30	EZ	LKO	Daily	LWACCN-1	21	22	LKO	01-06-2023	08-06-2023	NDLS	Daily	02-06-2023	09-06-2023	0	0	16	1152
233		12429/30	EZ	LKO	Daily	LWACCN-1	21	22	LKO	09-06-2023	16-06-2023	NDLS	Daily	10-06-2023	17-06-2023	0	0	16	1152
234		12429/30	EZ	LKO	Daily	LWACCN-1	21	22	LKO	17-06-2023	23-06-2023	NDLS	Daily	18-06-2023	24-06-2023	0	0	14	1008
235		12429/30	EZ	LKO	Daily	LWACCN-1	21	22	LKO	24-06-2023	30-06-2023	NDLS	Daily	25-06-2023	01-07-2023	0	0	14	1008
236		12429/30	EZ	LKO	Daily	LWACCN-1	21	22	LKO	01-07-2023	07-07-2023	NDLS	Daily	02-07-2023	08-07-2023	0	0	14	1008
237		12429/30	EZ	LKO	Daily	LWACCN-1	21	22	LKO	08-07-2023	14-07-2023	NDLS	Daily	09-07-2023	15-07-2023	0	0	14	1008
238		12429/30	EZ	LKO	Daily	LWACCN-1	21	22	LKO	15-07-2023	16-07-2023	NDLS	Daily	16-07-2023	17-07-2023	0	0	4	288
239		12429/30	EZ	LKO	Daily	LWACCN-1	21	22	LKO	17-07-2023	17-07-2023	LKO	Daily	17-07-2023	17-07-2023	0	0	1	72
240		12429/30	EZ	LKO	Daily	LWACCN-1	21	22	LKO	18-07-2023	18-07-2023	LKO	Daily	18-07-2023	18-07-2023	0	0	1	72
241	19	12444/43	EZ	DLI	2	LWSCN-1	19	20	ANVT	25-04-2023	25-04-2023	HLZ	4	27-04-2023	27-04-2023	2	2	2	160
242		12444/43	EZ	DLI	2	LWSCN-1	19	20	ANVT	02-05-2023	02-05-2023	HLZ	4	04-05-2023	04-05-2023	0	0	2	160
243		12444/43	EZ	DLI	2	LWACCNE-	19	20	ANVT	24-10-2023	24-10-2023	HLZ	4	26-10-2023	26-10-2023	1	1	2	160

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244	20	14010/09	EZ	DLI	1,6	LWSCN-1	19	20	ANVT	22-04-2023	24-04-2023	BMKI	2,7	23-04-2023	25-04-2023	0	0	4	320
245		14010/09	EZ	DLI	1,6	LWSCN-1	19	20	ANVT	29-04-2023	29-04-2023	BMKI	2,7	30-04-2023	30-04-2023	0	0	2	160
246		14010/09	EZ	DLI	1,6	LWSCN-1	19	20	ANVT	01-05-2023	01-05-2023	BMKI	2,7	02-05-2023	02-05-2023	0	0	2	160
247		14010/09	EZ	DLI	1,6	LWACCNE-1	19	20	ANVT	28-10-2023	28-10-2023	BMKI	2,7	29-10-2023	29-10-2023	0	0	2	160
248	21	14011/12	NZ	DLI	Daily	CWGFCWAC-1	16	17	DLI	01-04-2023	31-08-2023	HSX	Daily	02-04-2023	01-09-2023	2	2	306	9180
249	22	14035/36	NZ	DLI	1,3,5	WGSCN-1	20	21	DEE	03-04-2023	05-04-2023	PTK	2,4,6	04-04-2023	06-04-2023	1	1	4	288
250		14035/36	NZ	DLI	1,3,5	WGSCN-1	20	21	DEE	07-04-2023	07-04-2023	PTK	2,4,6	08-04-2023	08-04-2023	0	0	2	144
251		14035/36	NZ	DLI	1,3,5	WGSCN-1	20	21	DEE	19-05-2023	19-05-2023	PTK	2,4,6	20-05-2023	20-05-2023	0	0	2	144
252		14035/36	NZ	DLI	1,3,5	WGSCN-1	20	21	DEE	02-06-2023	02-06-2023	PTK	2,4,6	03-06-2023	03-06-2023	0	0	2	144
253		14035/36	NZ	DLI	1,3,5	WGSCN-1	20	21	DEE	07-06-2023	07-06-2023	PTK	2,4,6	08-06-2023	08-06-2023	0	0	2	144
254		14035/36	NZ	DLI	1,3,5	WGSCN-1	20	21	DEE	09-06-2023	09-06-2023	PTK	2,4,6	10-06-2023	10-06-2023	0	0	2	144
255		14035/36	NZ	DLI	1,3,5	WGSCN-1	20	21	DEE	16-06-2023	16-06-2023	PTK	2,4,6	17-06-2023	17-06-2023	0	0	2	144
256		14035/36	NZ	DLI	1,3,5	WGSCN-1	20	21	DEE	23-06-2023	23-06-2023	PTK	2,4,6	24-06-2023	24-06-2023	0	0	2	144
257		14035/36	NZ	DLI	1,3,5	WGSCN-1	20	21	DEE	28-06-2023	28-06-2023	PTK	2,4,6	29-06-2023	29-06-2023	0	0	2	144
258		14035/36	NZ	DLI	1,3,5	WGSCN-1	20	21	DEE	30-06-2023	30-06-2023	PTK	2,4,6	01-07-2023	01-07-2023	0	0	2	144
259		14035/36	NZ	DLI	1,3,5	WGSCN-1	20	21	DEE	18-10-2023	29-11-2023	PTK	2,4,6	19-10-2023	30-11-2023	0	0	38	2736
260		14035/36	NZ	DLI	1,3,5	WGSCN-1	20	21	DEE	22-12-2023	22-12-2023	PTK	2,4,6	23-12-2023	23-12-2023	0	0	2	144
261		14035/36	NZ	DLI	1,3,5	WGSCN-1	20	21	DEE	15.03.2024	29.03.2024	PTK	2,4,6	16-03-2024	30.03.2024	0	0	14	1008
262	23	14208	EZ	LKO	Daily	LWSCN-1	20	21	DLI	16-05-2023	16-05-2023	PBH	Daily	16-05-2023	16-05-2023	0.5	0.5	1	80
263	24	14207	EZ	LKO	Daily	LWSCN-1	20	21	PBH	17-05-2023	17-05-2023	DLI	Daily	17-05-2023	17-05-2023	0.5	0.5	1	80
264		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	25-05-2023	25-05-2023	DLI	Daily	26-05-2023	26-05-2023	1	1	2	160
265		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	25-05-2023	25-05-2023	DLI	Daily	26-05-2023	26-05-2023	1	1	2	160
266		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	27-05-2023	27-05-2023	DLI	Daily	28-05-2023	28-05-2023	0	0	2	160
267		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	27-05-2023	27-05-2023	DLI	Daily	28-05-2023	28-05-2023	0	0	2	160
268		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	29-05-2023	29-05-2023	DLI	Daily	30-05-2023	30-05-2023	0	0	2	160
269		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	29-05-2023	29-05-2023	DLI	Daily	30-05-2023	30-05-2023	0	0	2	160
270		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	31-05-2023	31-05-2023	DLI	Daily	01-06-2023	01-06-2023	0	0	2	160
271		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	31-05-2023	31-05-2023	DLI	Daily	01-06-2023	01-06-2023	0	0	2	160
272		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	02-06-2023	02-06-2023	DLI	Daily	03-06-2023	03-06-2023	0	0	2	160
273		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	02-06-2023	02-06-2023	DLI	Daily	03-06-2023	03-06-2023	0	0	2	160
274		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	04-06-2023	04-06-2023	DLI	Daily	05-06-2023	05-06-2023	0	0	2	160
275		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	04-06-2023	04-06-2023	DLI	Daily	05-06-2023	05-06-2023	0	0	2	160
276		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	07-06-2023	07-06-2023	DLI	Daily	08-06-2023	08-06-2023	1	1	2	160
277		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	07-06-2023	07-06-2023	DLI	Daily	08-06-2023	08-06-2023	0	0	2	160
278		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	09-06-2023	09-06-2023	DLI	Daily	10-06-2023	10-06-2023	0	0	2	160
279		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	09-06-2023	09-06-2023	DLI	Daily	10-06-2023	10-06-2023	0	0	2	160
280		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	11-06-2023	11-06-2023	DLI	Daily	12-06-2023	12-06-2023	0	0	2	160
281		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	11-06-2023	11-06-2023	DLI	Daily	12-06-2023	12-06-2023	0	0	2	160
282		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	13-06-2023	13-06-2023	DLI	Daily	14-06-2023	14-06-2023	0	0	2	160

283		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	13-06-2023	13-06-2023	DLI	Daily	14-06-2023	14-06-2023	0	0	2	160
284		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	15-06-2023	15-06-2023	DLI	Daily	16-06-2023	16-06-2023	0	0	2	160
285		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	15-06-2023	15-06-2023	DLI	Daily	16-06-2023	16-06-2023	0	0	2	160
286		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	17-06-2023	17-06-2023	DLI	Daily	18-06-2023	18-06-2023	0	0	2	160
287		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	17-06-2023	17-06-2023	DLI	Daily	18-06-2023	18-06-2023	0	0	2	160
288		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	18-06-2023	20-06-2023	DLI	Daily	19-06-2023	21-06-2023	0	0	6	480
289		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	18-06-2023	20-06-2023	DLI	Daily	19-06-2023	21-06-2023	0	0	6	480
290		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	21-06-2023	21-06-2023	DLI	Daily	22-06-2023	22-06-2023	0	0	2	160
291		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	21-06-2023	21-06-2023	DLI	Daily	22-06-2023	22-06-2023	0	0	2	160
292		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	22-06-2023	22-06-2023	DLI	Daily	23-06-2023	23-06-2023	0	0	2	160
293		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	22-06-2023	22-06-2023	DLI	Daily	23-06-2023	23-06-2023	0	0	2	160
294		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	23-06-2023	23-06-2023	DLI	Daily	24-06-2023	24-06-2023	0	0	2	160
295		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	23-06-2023	23-06-2023	DLI	Daily	24-06-2023	24-06-2023	0	0	2	160
296		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	24-06-2023	24-06-2023	DLI	Daily	25-06-2023	25-06-2023	0	0	2	160
297		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	24-06-2023	24-06-2023	DLI	Daily	25-06-2023	25-06-2023	0	0	2	160
298		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	25-06-2023	27-06-2023	DLI	Daily	26-06-2023	28-06-2023	0	0	6	480
299		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	25-06-2023	27-06-2023	DLI	Daily	26-06-2023	28-06-2023	0	0	6	480
300		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	28-06-2023	28-06-2023	DLI	Daily	29-06-2023	29-06-2023	0	0	2	160
301		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	28-06-2023	28-06-2023	DLI	Daily	29-06-2023	29-06-2023	0	0	2	160
302		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	29-06-2023	29-06-2023	DLI	Daily	30-06-2023	30-06-2023	0	0	2	160
303		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	29-06-2023	29-06-2023	DLI	Daily	30-06-2023	30-06-2023	0	0	2	160
304		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	30-06-2023	01-07-2023	DLI	Daily	01-07-2023	02-07-2023	0	0	4	320
305		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	30-06-2023	01-07-2023	DLI	Daily	01-07-2023	02-07-2023	0	0	4	320
306		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	02-07-2023	03-07-2023	DLI	Daily	03-07-2023	04-07-2023	0	0	4	320
307		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	02-07-2023	03-07-2023	DLI	Daily	03-07-2023	04-07-2023	0	0	4	320
308		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	06-08-2023	06-08-2023	DLI	Daily	07-08-2023	07-08-2023	0	0	2	160
309		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	06-08-2023	06-08-2023	DLI	Daily	07-08-2023	07-08-2023	0	0	2	160
310		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	09-08-2023	09-08-2023	DLI	Daily	10-08-2023	10-08-2023	0	0	2	160
311		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	09-08-2023	09-08-2023	DLI	Daily	10-08-2023	10-08-2023	0	0	2	160
312		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	10-08-2023	10-08-2023	DLI	Daily	11-08-2023	11-08-2023	0	0	2	160
313		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	10-08-2023	10-08-2023	DLI	Daily	11-08-2023	11-08-2023	0	0	2	160
314		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	11-08-2023	11-08-2023	DLI	Daily	12-08-2023	12-08-2023	0	0	2	160
315		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	11-08-2023	11-08-2023	DLI	Daily	12-08-2023	12-08-2023	0	0	2	160
316		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	12-08-2023	13-08-2023	DLI	Daily	13-08-2023	14-08-2023	0	0	4	320
317		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	12-08-2023	13-08-2023	DLI	Daily	13-08-2023	14-08-2023	0	0	4	320
318		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	14-08-2023	15-08-2023	DLI	Daily	15-08-2023	16-08-2023	0	0	4	320
319		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	14-08-2023	15-08-2023	DLI	Daily	15-08-2023	16-08-2023	0	0	4	320
320		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	16-08-2023	17-08-2023	DLI	Daily	17-08-2023	18-08-2023	0	0	4	320
321		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	16-08-2023	17-08-2023	DLI	Daily	17-08-2023	18-08-2023	0	0	4	320
322		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	18-08-2023	20-08-2023	DLI	Daily	19-08-2023	21-08-2023	0	0	6	480
323		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	18-08-2023	20-08-2023	DLI	Daily	19-08-2023	21-08-2023	0	0	6	480

324		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	21-08-2023	23-08-2023	DLI	Daily	22-08-2023	22-08-2023	0	0	6	480
325		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	21-08-2023	21-08-2023	DLI	Daily	22-08-2023	24-08-2023	0	0	2	160
326		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	25-08-2023	26-08-2023	DLI	Daily	24-08-2023	25-08-2023	0	0	4	320
327		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	23-08-2023	24-08-2023	DLI	Daily	26-08-2023	27-08-2023	0	0	4	320
328		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	27-08-2023	27-08-2023	DLI	Daily	26-08-2023	26-08-2023	0	0	2	160
329		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	25-08-2023	25-08-2023	DLI	Daily	28-08-2023	28-08-2023	0	0	2	160
330		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	28-08-2023	31-08-2023	DLI	Daily	27-08-2023	30-08-2023	0	0	8	640
331		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	26-08-2023	29-08-2023	DLI	Daily	29-08-2023	01-09-2023	0	0	8	640
332		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	01-09-2023	01-09-2023	DLI	Daily	04-09-2023	04-09-2023	0	0	2	160
333		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	03-09-2023	03-09-2023	DLI	Daily	02-09-2023	02-09-2023	0	0	2	160
334		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	02-09-2023	05-09-2023	DLI	Daily	05-09-2023	08-09-2023	0	0	8	640
335		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	04-09-2023	07-09-2023	DLI	Daily	03-09-2023	06-09-2023	0	0	8	640
336		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	06-09-2023	06-09-2023	DLI	Daily	09-09-2023	09-09-2023	0	0	2	160
337		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	08-09-2023	08-09-2023	DLI	Daily	07-09-2023	07-09-2023	0	0	2	160
338		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	09-09-2023	11-09-2023	DLI	Daily	12-09-2023	14-09-2023	0	0	6	480
339		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	11-09-2023	13-09-2023	DLI	Daily	10-09-2023	12-09-2023	0	0	6	480
340		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	13-09-2023	13-09-2023	DLI	Daily	16-09-2023	16-09-2023	0	0	2	160
341		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	15-09-2023	15-09-2023	DLI	Daily	14-09-2023	14-09-2023	0	0	2	160
342		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	14-09-2023	14-09-2023	DLI	Daily	17-09-2023	17-09-2023	0	0	2	160
343		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	16-09-2023	16-09-2023	DLI	Daily	15-09-2023	15-09-2023	0	0	2	160
344		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	15-09-2023	15-09-2023	DLI	Daily	18-09-2023	18-09-2023	0	0	2	160
345		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	17-09-2023	17-09-2023	DLI	Daily	16-09-2023	16-09-2023	0	0	2	160
346		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	16-09-2023	17-09-2023	DLI	Daily	19-09-2023	20-09-2023	0	0	4	320
347		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	18-09-2023	19-09-2023	DLI	Daily	17-09-2023	18-09-2023	0	0	4	320
348		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	18-09-2023	18-09-2023	DLI	Daily	21-09-2023	21-09-2023	0	0	2	160
349		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	20-09-2023	20-09-2023	DLI	Daily	19-09-2023	19-09-2023	0	0	2	160
350		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	21-09-2023	21-09-2023	DLI	Daily	24-09-2023	24-09-2023	0	0	2	160
351		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	23-09-2023	23-09-2023	DLI	Daily	22-09-2023	22-09-2023	0	0	2	160
352		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	22-09-2023	22-09-2023	DLI	Daily	25-09-2023	25-09-2023	0	0	2	160
353		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	24-09-2023	24-09-2023	DLI	Daily	23-09-2023	23-09-2023	0	0	2	160
354		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	23-09-2023	23-09-2023	DLI	Daily	26-09-2023	26-09-2023	0	0	2	160
355		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	25-09-2023	25-09-2023	DLI	Daily	24-09-2023	24-09-2023	0	0	2	160
356		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	27-09-2023	27-09-2023	DLI	Daily	30-09-2023	30-09-2023	0	0	2	160
357		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	29-09-2023	29-09-2023	DLI	Daily	28-09-2023	28-09-2023	0	0	2	160
358		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	01-10-2023	01-10-2023	DLI	Daily	04-10-2023	04-10-2023	0	0	2	160
359		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	03-10-2023	03-10-2023	DLI	Daily	02-10-2023	02-10-2023	0	0	2	160
360		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	02-10-2023	02-10-2023	DLI	Daily	05-10-2023	05-10-2023	0	0	2	160
361		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	04-10-2023	04-10-2023	DLI	Daily	03-10-2023	03-10-2023	0	0	2	160
362		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	06-10-2023	06-10-2023	DLI	Daily	09-10-2023	09-10-2023	0	0	2	160
363		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	08-10-2023	08-10-2023	DLI	Daily	07-10-2023	07-10-2023	0	0	2	160
364		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	07-10-2023	08-10-2023	DLI	Daily	10-10-2023	11-10-2023	0	0	4	320

365		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	09-10-2023	10-10-2023	DLI	Daily	08-10-2023	09-10-2023	0	0	4	320
366		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	30-12-2023	02-01-2024	DLI	Daily	01-01-2024	03-01-2024	0	0	8	640
367		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	31-12-2023	02-01-2024	DLI	Daily	31-12-2023	03-01-2024	0	0	6	480
368		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	03-01-2024	03-01-2024	DLI	Daily	04-01-2024	04-01-2024	0	0	2	160
369		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	03-01-2024	03-01-2024	DLI	Daily	04-01-2024	04-01-2024	0	0	2	160
370		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	04-01-2024	04-01-2024	DLI	Daily	05-01-2024	05-01-2024	0	0	2	160
371		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	04-01-2024	04-01-2024	DLI	Daily	05-01-2024	05-01-2024	0	0	2	160
372		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	05-01-2024	05-01-2024	DLI	Daily	06-01-2024	06-01-2024	0	0	2	160
373		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	05-01-2024	05-01-2024	DLI	Daily	06-01-2024	06-01-2024	0	0	2	160
374		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	06-01-2024	07-01-2024	DLI	Daily	07-01-2024	08-01-2024	0	0	4	320
375		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	06-01-2024	07-01-2024	DLI	Daily	07-01-2024	08-01-2024	0	0	4	320
376		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	08-01-2024	08-01-2024	DLI	Daily	09-01-2024	09-01-2024	0	0	2	160
377		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	08-01-2024	08-01-2024	DLI	Daily	09-01-2024	09-01-2024	0	0	2	160
378		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	09-01-2024	09-01-2024	DLI	Daily	10-01-2024	10-01-2024	0	0	2	160
379		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	09-01-2024	09-01-2024	DLI	Daily	10-01-2024	10-01-2024	0	0	2	160
380		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	10-01-2024	10-01-2024	DLI	Daily	11-01-2024	11-01-2024	0	0	2	160
381		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	10-01-2024	10-01-2024	DLI	Daily	11-01-2024	11-01-2024	0	0	2	160
382		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	11-01-2024	15-01-2024	DLI	Daily	12-01-2024	16-01-2024	0	0	10	800
383		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	11-01-2024	15-01-2024	DLI	Daily	12-01-2024	16-01-2024	0	0	10	800
384		14207/06	EZ	LKO	Daily	LWSCN-1	20	21	PBH	17-01-2024	18-01-2024	DLI	Daily	18-01-2024	19-01-2024	0	0	4	320
385		14205/08	EZ	LKO	Daily	LWSCN-1	20	21	AYC	16-01-2024	17-01-2024	DLI	Daily	17-01-2024	18-01-2024	0	0	4	320
386		14205/08	EZ	LKO	Daily	LWSCN-1	20	21	AYC	19-01-2024	20-01-2024	DLI	Daily	20-01-2024	21-01-2024	0	0	4	320
387		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	19-01-2024	19-01-2024	DLI	Daily	22-01-2024	22-01-2024	0	0	2	160
388		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	21-01-2024	21-01-2024	DLI	Daily	20-01-2024	20-01-2024	0	0	2	160
389		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	21-01-2024	23-01-2024	DLI	Daily	24-01-2024	26-01-2024	0	0	6	480
390		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	23-01-2024	25-01-2024	DLI	Daily	22-01-2024	24-01-2024	0	0	6	480
391		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	24-01-2024	24-01-2024	DLI	Daily	27-01-2024	27-01-2024	0	0	2	160
392		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	26-01-2024	26-01-2024	DLI	Daily	25-01-2024	25-01-2024	0	0	2	160
393		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	26-01-2024	28-01-2024	DLI	Daily	29-01-2024	31-01-2024	0	0	6	480
394		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	30-01-2024	31-01-2024	DLI	Daily	02-02-2024	03-02-2024	0	0	4	320
395		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	28-01-2024	30-01-2024	DLI	Daily	27-01-2024	29-01-2024	0	0	6	480
396		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	01-02-2024	02-02-2024	DLI	Daily	31-01-2024	01-02-2024	0	0	4	320
397		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	02-02-2024	02-02-2024	DLI	Daily	05-02-2024	05-02-2024	0	0	2	160
398		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	04-02-2024	04-02-2024	DLI	Daily	07-02-2024	07-02-2024	0	0	2	160
399		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	06-02-2024	06-02-2024	DLI	Daily	09-02-2024	09-02-2024	0	0	2	160
400		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	08-02-2024	08-02-2024	DLI	Daily	11-02-2024	11-02-2024	0	0	2	160
401		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	04-02-2024	04-02-2024	DLI	Daily	03-02-2024	03-02-2024	0	0	2	160
402		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	06-02-2024	06-02-2024	DLI	Daily	05-02-2024	05-02-2024	0	0	2	160
403		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	08-02-2024	08-02-2024	DLI	Daily	07-02-2024	07-02-2024	0	0	2	160

404		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	10-02-2024	10-02-2024	DLI	Daily	09-02-2024	09-02-2024	0	0	2	160
405		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	09-02-2024	09-02-2024	DLI	Daily	12-02-2024	12-02-2024	0	0	2	160
406		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	11-02-2024	11-02-2024	DLI	Daily	10-02-2024	10-02-2024	0	0	2	160
407		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	10-02-2024	16-02-2024	DLI	Daily	13-02-2024	19-02-2024	0	0	14	1120
408		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	12-02-2024	18-02-2024	DLI	Daily	11-02-2024	17-02-2024	0	0	14	1120
409		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	17-02-2024	23-02-2024	DLI	Daily	20-02-2024	26-02-2024	0	0	14	1120
410		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	19-02-2024	25-02-2024	DLI	Daily	18-02-2024	24-02-2024	0	0	14	1120
411		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	25-02-2024	25-02-2024	DLI	Daily	28-02-2024	28-02-2024	0	0	2	160
412		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	27-02-2024	27-02-2024	DLI	Daily	26-02-2024	26-02-2024	0	0	2	160
413		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	27-02-2024	01-03-2024	DLI	Daily	01-03-2024	04-03-2024	0	0	8	640
414		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	29-02-2024	03-03-2024	DLI	Daily	28-02-2024	02-03-2024	0	0	8	640
415		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	03-03-2024	08-03-2024	DLI	Daily	06-03-2024	11-03-2024	0	0	12	960
416		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	05-03-2024	10-03-2024	DLI	Daily	04-03-2024	09-03-2024	0	0	12	960
417		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	09-03-2024	15-03-2024	DLI	Daily	12-03-2024	18-03-2024	0	0	14	1120
418		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	11-03-2024	17-03-2024	DLI	Daily	10-03-2024	16-03-2024	0	0	14	1120
419		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	16-03-2024	22-03-2024	DLI	Daily	19-03-2024	25-03-2024	0	0	14	1120
420		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	18-03-2024	24-03-2024	DLI	Daily	17-03-2024	23-03-2024	0	0	14	1120
421		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	23-03-2024	27-03-2024	DLI	Daily	19-03-2024	30-03-2024	0	0	10	800
422		14205/06	EZ	LKO	Daily	LWSCN-1	20	21	AYC	25-03-2024	29-03-2024	DLI	Daily	24-03-2024	28-03-2023	0	0	10	800
423		14207/08	EZ	LKO	Daily	LWSCN-1	20	21	PBH	30-03-2024	31-03-2024	DLI	Daily	30-03-2024	31-03-2024	0	0	4	320
424	25	14224/23	EZ	LKO	Daily	CWGSCN-1	11	12	BSB	01-04-2023	30-04-2023	RGD	Daily	02-04-2023	01-05-2023	2	2	0	0
425		14224/23	EZ	LKO	Daily	CWGSCN-1	11	12	BSB	16-10-2023	30-11-2023	RGD	Daily	16-10-2023	01-12-2023	0	0	92	6624
426		14224/23	EZ	LKO	Daily	CWGSCN-1	11	12	BSB	01-12-2023	29-02-2024	RGD	Daily	02-12-2023	01-03-2024	0	0	182	13104
427		14224/23	EZ	LKO	Daily	CWGSCN-1	11	12	BSB	01-03-2024	31-03-2024	RGD	Daily	02-03-2024	01-04-2024	0	0	62	4464
428		14224/23	EZ	LKO	Daily	CWGACCN-1	12	13	BSB	01-04-2023	30-04-2023	RGD	Daily	02-02-2023	01-05-2023	2	2	0	0
429		14224/23	EZ	LKO	Daily	CWGACCN-1	12	13	BSB	16-10-2023	30-11-2023	RGD	Daily	16-10-2023	01-12-2023	0	0	92	5888
430		14224/23	EZ	LKO	Daily	CWGACCN-1	12	13	BSB	01-12-2023	29-02-2024	RGD	Daily	02-12-2023	01-03-2024	0	0	182	11648
431		14224/23	EZ	LKO	Daily	CWGACCN-1	12	13	BSB	01-03-2024	31-03-2024	RGD	Daily	02-03-2024	01-04-2024	0	0	62	3968
432		14224/23	EZ	LKO	Daily	CWGSCN-1	13	14	BSB	16-11-2023	16-11-2023	RGD	Daily	17-11-2023	17-11-2023	1	1	2	144
433		14224/23	EZ	LKO	Daily	CWGSCN-2	13	15	BSB	08-12-2023	08-12-2023	RGD	Daily	09-12-2023	09-12-2023	1	2	4	288
434		14224/23	EZ	LKO	Daily	CWGSCN-2	13	15	BSB	13-12-2023	13-12-2023	RGD	Daily	14-12-2023	14-12-2023	0	0	4	288
435		14224/23	EZ	LKO	Daily	CWGSCN-2	13	15	BSB	14-12-2023	14-12-2023	RGD	Daily	15-12-2023	15-12-2023	1	2	4	288
436		14224/23	EZ	LKO	Daily	CWGSCN-1	13	14	BSB	11-02-2024	11-02-2024	RGD	Daily	12-02-2024	12-02-2024	0	0	2	144
437		14224/23	EZ	LKO	Daily	CWGSCN-1	13	14	BSB	13-03-2024	13-03-2024	RGD	Daily	14-03-2024	14-03-2024	0	0	2	144
438		14224/23	EZ	LKO	Daily	CWGSCN-2	13	15	BSB	14-03-2024	14-03-2024	RGD	Daily	15-03-2024	15-03-2024	0	0	4	288
439		14224/23	EZ	LKO	Daily	CWGSCN-1	13	14	BSB	22-03-2024	31-03-2024	RGD	Daily	23-03-2024	01-04-2024	0	0	20	1440
440	26	14235/36	EZ	LKO	Daily	CWGSCN-1	16	17	BSB	15-03-2024	28-03-2024	BE	Daily	16-03-2024	29-03-2024	2	2	28	2016
441	27	14260/59	EZ	LKO	6	CWGSCN-1	17	18	LKO	03-06-2023	01-07-2023	GAYA	7	04-06-2023	02-07-2023	1	1	10	720

442	28	14262/61	EZ	LKO	2,4	CWGSCN-1	17	18	LKO	01-06-2023	29-06-2023	GAYA	3,5	02-06-2023	30-06-2023	0	0	18	1296
443		14260/59	EZ	LKO	6	CWGSCN-1	16	17	LKO	02-09-2023	02-12-2023	GAYA	7	03-09-2023	03-12-2023	0	0	28	2016
444		14262/61	EZ	LKO	2,4	CWGSCN-1	16	17	LKO	29-08-2023	30-11-2023	GAYA	3,5	30-08-2023	01-12-2023	0	0	56	4032
445		14260/59	EZ	LKO	6	CWGSCN-1	16	17	LKO	09-12-2023	09-03-2024	GAYA	7	10-12-2023	10-03-2024	0	0	28	2016
446		14262/61	EZ	LKO	2,4	CWGSCN-1	16	17	LKO	05-12-2023	07-03-2024	GAYA	3,5	06-12-2023	08-03-2024	0	0	56	4032
447		14260/59	EZ	LKO	6	CWGSCN-1	16	17	LKO	16-03-2024	30-03-2024	GAYA	7	17-03-2024	31-03-2024	0	0	6	432
448		14262/61	EZ	LKO	2,4	CWGSCN-1	16	17	LKO	12-03-2024	28-03-2024	GAYA	3,5	13-03-2024	29-03-2024	0	0	12	864
449		14260/59	EZ	LKO	6	CWGACCN-1	17	18	LKO	02-09-2023	02-12-2023	GAYA	7	03-09-2023	03-12-2023	1	1	28	1792
450		14262/61	EZ	LKO	2,4	CWGACCN-1	17	18	LKO	29-08-2023	30-11-2023	GAYA	3,5	30-08-2023	01-12-2023	0	0	56	3584
451		14260/59	EZ	LKO	6	CWGACCN-1	17	18	LKO	09-12-2023	09-03-2024	GAYA	7	10-12-2023	10-03-2024	0	0	28	1792
452		14262/61	EZ	LKO	2,4	CWGACCN-1	17	18	LKO	05-12-2023	07-03-2024	GAYA	3,5	06-12-2023	08-03-2024	0	0	56	3584
453		14260/59	EZ	LKO	6	CWGACCN-1	17	18	LKO	16-03-2024	30-03-2024	GAYA	7	17-03-2024	31-03-2024	0	0	6	384
454		14262/61	EZ	LKO	2,4	CWGACCN-1	17	18	LKO	12-03-2024	28-03-2024	GAYA	3,5	13-03-2024	29-03-2024	0	0	12	768
455	29	14308/07	EZ	MB	Daily	WGSCN-1	13	14	BE	01-04-2023	01-04-2023	PYGS	Daily	04-04-2023	04-04-2023	0	0	2	144
456	30	04383/84	EZ	MB	Daily	WGSCN-1	13	14	PYGS	02-04-2023	02-04-2023	JNU	Daily	02-04-2023	02-04-2023	0	0	2	144
457	31	14231/32	EZ	MB	1,2,3,5,6	WGSCN-1	13	14	PYGS	03-04-2023	03-04-2023	BST	1,2,3,5,6	03-04-2023	03-04-2023	0	0	2	144
458		14308/07	EZ	MB	Daily	WGSCN-1	13	14	BE	10-04-2023	30-04-2023	PYGS	Daily	13-04-2023	01-05-2023	3	3	38	2736
459		04383/84	EZ	MB	Daily	WGSCN-1	13	14	PYGS	11-04-2023	30-04-2023	JNU	Daily	11-04-2023	30-04-2023	0	0	40	2880
460		14231/32	EZ	MB	1,2,3,5,6	WGSCN-1	13	14	PYGS	12-04-2023	30-04-2023	BST	1,2,3,5,6	12-04-2023	30-04-2023	0	0	26	1872
461		14308/07	EZ	MB	Daily	WGSCN-1	13	14	BE	01-05-2023	31-05-2023	PYGS	Daily	02-05-2023	01-06-2023	0	0	34	2448
462		04383/84	EZ	MB	Daily	WGSCN-1	13	14	PYGS	01-05-2023	31-05-2023	JNU	Daily	01-05-2023	31-05-2023	0	0	62	4464
463		14231/32	EZ	MB	1,2,3,5,6	WGSCN-1	13	14	PYGS	01-05-2023	31-05-2023	BST	1,2,3,5,6	01-05-2023	31-05-2023	0	0	46	3312
464		14308/07	EZ	MB	Daily	WGSCN-1	13	14	BE	01-06-2023	30-06-2023	PYGS	Daily	02-06-2023	01-07-2023	0	0	60	4320
465		04383/84	EZ	MB	Daily	WGSCN-1	13	14	PYGS	01-06-2023	30-06-2023	JNU	Daily	01-06-2023	30-06-2023	0	0	60	4320
466		14231/32	EZ	MB	1,2,3,5,6	WGSCN-1	13	14	PYGS	01-06-2023	30-06-2023	BST	1,2,3,5,6	01-06-2023	30-06-2023	0	0	42	3024
467		14308/07	EZ	MB	Daily	WGSCN-1	13	14	BE	01-07-2023	09-07-2023	PYGS	Daily	02-07-2023	12-07-2023	0	0	18	1296
468		04383/84	EZ	MB	Daily	WGSCN-1	13	14	PYGS	01-07-2023	10-07-2023	JNU	Daily	01-07-2023	10-07-2023	0	0	20	1440
469		14231/32	EZ	MB	1,2,3,5,6	WGSCN-1	13	14	PYGS	01-07-2023	11-07-2023	BST	1,2,3,5,6	01-07-2023	11-07-2023	0	0	14	1008
470		14308/07	EZ	MB	Daily	WGACCW-1	13	14	BE	27-08-2023	26-02-2024	PYGS	Daily	30-08-2023	29-02-2024	3	3	192	9216
471		04383/84	EZ	MB	Daily	WGACCW-1	13	14	PYGS	28-08-2023	27-02-2024	JNU	Daily	28-08-2023	27-02-2024	0	0	368	17664
472		14231/32	EZ	MB	1,2,3,5,6	WGACCW-1	13	14	PYGS	29-08-2024	28-02-2024	BST	1,2,3,5,6	29-08-2023	28-02-2024	0	0	264	12672
473		14308/07	EZ	MB	Daily	WGACCW-1	13	14	BE	01-03-2024	31-03-2024	PYGS	Daily	04-03-2024	31-03-2024	0	0	62	2976
474		04383/84	EZ	MB	Daily	WGACCW-	13	14	PYGS	02-03-2024	31-03-2024	JNU	Daily	02-03-2024	31-03-2024	0	0	60	2880

						1													
475		14231/32	EZ	MB	1,2,3,5,6	WGACCW-1	13	14	PYGS	04-03-2024	30-03-2024	BST	1,2,3,5,6	04-03-2024	30-03-2024	0	0	44	2112
476		14308/07	EZ	MB	Daily	GS-2	14	16	BE	12-09-2023	12-09-2023	PYGS	Daily	15-09-2023	15-09-2023	1	2	4	360
477		04383/84	EZ	MB	Daily	GS-2	14	16	PYGS	13-09-2023	13-09-2023	JNU	Daily	13-09-2023	13-09-2023	0	0	4	360
478		14308/07	EZ	MB	Daily	WGSCN-1	14	15	BE	19-10-2023	30-11-2023	PYGS	Daily	22-10-2023	03-12-2023	3	3	86	6192
479		04383/84	EZ	MB	Daily	WGSCN-1	14	15	PYGS	20-10-2023	01-12-2023	JNU	Daily	20-10-2023	01-12-2023	0	0	86	6192
480		14231/32	EZ	MB	1,2,3,5,6	WGSCN-1	14	15	PYGS	21-10-2023	02-12-2023	BST	1,2,3,5,6	21-10-2023	02-12-2023	0	0	62	4464
481		04383/84	EZ	MB	Daily	WGSCN-1	14	15	PYGS	23-01-2024	29-02-2024	JNU	Daily	23-01-2024	29-02-2024	0	0	76	5472
482		14231/32	EZ	MB	1,2,3,5,6	WGSCN-1	14	15	PYGS	23-01-2024	28-02-2024	BST	1,2,3,5,6	23-01-2024	28-02-2024	0	0	54	3888
483		04383/84	EZ	MB	Daily	GS-9	15	24	PYGS	23-01-2024	29-02-2024	JNU	Daily	23-01-2024	29-02-2024	2	18	684	61560
484		14231/32	EZ	MB	1,2,3,5,6	GS-9	15	24	PYGS	23-01-2024	28-02-2024	BST	1,2,3,5,6	23-01-2024	28-02-2024	0	0	486	43740
485		14308/07	EZ	MB	Daily	GS-2	14	16	BE	02-03-2024	08-03-2024	PYGS	Daily	04-03-2024	11-03-2024	0	0	28	2520
486		04383/84	EZ	MB	Daily	GS-2	14	16	PYGS	02-03-2024	09-03-2024	JNU	Daily	02-03-2024	09-03-2024	0	0	32	2880
487		14231/32	EZ	MB	1,2,3,5,6	GS-2	14	16	PYGS	04-03-2024	09-03-2024	BST	1,2,3,5,6	04-03-2024	09-03-2024	0	0	20	1800
488	32	14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	04-04-2023	05-04-2023	UJN	3,4	05-04-2023	06-04-2023	2	2	4	320
489		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	11-04-2023	12-04-2023	UJN	3,4	12-04-2023	13-04-2023	0	0	4	320
490		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	18-04-2023	19-04-2023	UJN	3,4	19-04-2023	20-04-2023	0	0	4	320
491		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	25-04-2023	26-04-2023	UJN	3,4	26-04-2023	27-04-2023	0	0	4	320
492		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	02-05-2023	03-05-2023	UJN	3,4	03-05-2023	04-05-2023	0	0	4	320
493		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	09-05-2023	10-05-2023	UJN	3,4	10-05-2023	11-05-2023	0	0	4	320
494		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	16-05-2023	17-05-2023	UJN	3,4	17-05-2023	18-05-2023	0	0	4	320
495		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	23-05-2023	24-05-2023	UJN	3,4	24-05-2023	25-05-2023	0	0	4	320
496		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	30-05-2023	31-05-2023	UJN	3,4	31-05-2023	01-06-2023	0	0	4	320
497		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	06-06-2023	07-06-2023	LMNR	3,4	07-06-2023	08-06-2023	0	0	4	320
498		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	13-06-2023	14-06-2023	LMNR	3,4	14-06-2023	15-06-2023	0	0	4	320
499		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	20-06-2023	21-06-2023	LMNR	3,4	21-06-2023	22-06-2023	0	0	4	320
500		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	27-06-2023	28-06-2023	LMNR	3,4	28-06-2023	29-06-2023	0	0	4	320
501		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	04-07-2023	05-07-2023	LMNR	3,4	05-07-2023	06-07-2023	0	0	4	320
502		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	11-07-2023	11-07-2023	LMNR	3,4	12-07-2023	12-07-2023	0	0	2	160
503		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	18-07-2023	18-07-2023	LMNR	3,4	19-07-2023	19-07-2023	0	0	2	160
504		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	26-07-2023	26-07-2023	LMNR	3,4	27-07-2023	27-07-2023	0	0	2	160
505		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	01-08-2023	02-08-2023	LMNR	3,4	02-08-2023	03-08-2023	0	0	4	320
506		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	09-08-2023	09-08-2023	LMNR	3,4	10-08-2023	10-08-2023	0	0	2	160
507		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	15-08-2023	16-08-2023	LMNR	3,4	16-08-2023	17-08-2023	0	0	4	320
508		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	22-08-2023	23-08-2023	LMNR	3,4	23-08-2023	24-08-2023	0	0	4	320
509		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	29-08-2023	30-08-2023	LMNR	3,4	30-08-2023	31-08-2023	0	0	4	320
510		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	05-09-2023	06-09-2023	LMNR	3,4	06-09-2023	07-09-2023	0	0	4	320

511		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	12-09-2023	13-09-2023	LMNR	3,4	13-09-2023	14-09-2023	0	0	4	320
512		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	19-09-2023	20-09-2023	LMNR	3,4	20-09-2023	21-09-2023	0	0	4	320
513		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	26-09-2023	27-09-2023	LMNR	3,4	27-09-2023	28-09-2023	0	0	4	320
514		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	03-10-2023	04-10-2023	LMNR	3,4	04-10-2023	05-10-2023	0	0	4	320
515		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	10-10-2023	11-10-2023	LMNR	3,4	11-10-2023	12-10-2023	0	0	4	320
516		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	17-10-2023	29-11-2023	LMNR	3,4	18-10-2023	30-11-2023	0	0	28	2240
517		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	20-12-2023	20-12-2023	LMNR	3,4	21-12-2023	21-12-2023	0	0	2	160
518		14310/09	CZ	MB	2,3	LWSCN-1	15	16	DDN	26-12-2023	27-12-2023	LMNR	3,4	27-12-2023	28-12-2023	0	0	4	320
519		14310/09	CZ	MB	2,3	LWSCN-1	15	16	YNRK	03-01-2024	03-01-2024	LMNR	3,4	04-01-2024	04-01-2024	0	0	2	160
520		14310/09	CZ	MB	2,3	LWSCN-1	15	16	YNRK	14-02-2024	14-02-2024	LMNR	3,4	15-02-2024	15-02-2024	0	0	2	160
521		14310/09	CZ	MB	2,3	LWACCNE-1	15	16	YNRK	27-02-2024	27-03-2024	LMNR	3,4	28-02-2024	28-03-2024	2	2	20	1600
522	33	14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	01-04-2023	07-04-2023	INDB	6,7	02-04-2023	08-04-2023	0	0	4	320
523		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	08-04-2023	14-04-2023	INDB	6,7	09-04-2023	15-04-2023	0	0	4	320
524		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	15-04-2023	21-04-2023	INDB	6,7	16-04-2023	22-04-2023	0	0	4	320
525		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	22-04-2023	28-04-2023	INDB	6,7	23-04-2023	29-04-2023	0	0	4	320
526		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	29-04-2023	29-04-2023	INDB	6,7	30-04-2023	30-04-2023	0	0	2	160
527		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	05-05-2023	05-05-2023	INDB	6,7	06-05-2023	06-05-2023	0	0	2	160
528		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	06-05-2023	12-05-2023	INDB	6,7	07-05-2023	13-05-2023	0	0	4	320
529		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	13-05-2023	19-05-2023	INDB	6,7	14-05-2023	20-05-2023	0	0	4	320
530		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	20-05-2023	26-05-2023	INDB	6,7	21-05-2023	27-05-2023	0	0	4	320
531		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	27-05-2023	02-06-2023	INDB	6,7	28-05-2023	03-06-2023	0	0	4	320
532		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	03-06-2023	09-06-2023	INDB	6,7	04-06-2023	10-06-2023	0	0	4	320
533		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	10-06-2023	16-06-2023	INDB	6,7	11-06-2023	17-06-2023	0	0	4	320
534		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	17-06-2023	23-06-2023	INDB	6,7	18-06-2023	24-06-2023	0	0	4	320
535		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	24-06-2023	30-06-2023	INDB	6,7	25-06-2023	01-07-2023	0	0	4	320
536		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	01-07-2023	07-07-2023	INDB	6,7	02-07-2023	08-07-2023	0	0	4	320
537		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	08-07-2023	14-07-2023	INDB	6,7	09-07-2023	15-07-2023	0	0	4	320
538		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	15-07-2023	15-07-2023	INDB	6,7	16-07-2023	16-07-2023	0	0	2	160
539		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	28-07-2023	28-07-2023	INDB	6,7	29-07-2023	29-07-2023	0	0	2	160
540		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	29-07-2023	04-08-2023	INDB	6,7	30-07-2023	05-08-2023	0	0	4	320
541		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	05-08-2023	11-08-2023	INDB	6,7	06-08-2023	12-08-2023	0	0	4	320
542		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	12-08-2023	18-08-2023	INDB	6,7	13-08-2023	19-08-2023	0	0	4	320
543		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	19-08-2023	25-08-2023	INDB	6,7	20-08-2023	26-08-2023	0	0	4	320
544		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	26-08-2023	26-08-2023	INDB	6,7	27-08-2023	27-08-2023	0	0	2	160
545		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	01-09-2023	01-09-2023	INDB	6,7	02-09-2023	02-09-2023	0	0	2	160
546		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	02-09-2023	08-09-2023	INDB	6,7	03-09-2023	09-09-2023	0	0	4	320
547		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	09-09-2023	15-09-2023	INDB	6,7	10-09-2023	16-09-2023	0	0	4	320
548		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	16-09-2023	22-09-2023	INDB	6,7	17-09-2023	23-09-2023	0	0	4	320
549		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	23-09-2023	29-09-2023	INDB	6,7	24-09-2023	30-09-2023	0	0	4	320
550		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	30-09-2023	06-10-2023	INDB	6,7	01-10-2023	07-10-2023	0	0	4	320

551		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	07-10-2023	13-10-2023	INDB	6,7	08-10-2023	14-10-2023	0	0	4	320
552		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	14-10-2023	14-10-2023	INDB	6,7	15-10-2023	15-10-2023	0	0	2	160
553		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	20-10-2023	02-12-2023	INDB	6,7	21-10-2023	03-12-2023	0	0	28	2240
554		14318/17	CZ	MB	5,6	LWSCN-1	15	16	DDN	23-12-2023	29-12-2023	INDB	6,7	24-12-2023	30-12-2023	0	0	4	320
555		14318/17	CZ	MB	5,6	LWSCN-1	15	16	YNRK	05-01-2024	05-01-2024	LMNR	6,7	06-01-2024	06-01-2024	0	0	2	160
556		14318/17	CZ	MB	5,6	LWSCN-1	15	16	YNRK	12-01-2024	12-01-2024	LMNR	6,7	13-01-2024	13-01-2024	0	0	2	160
557		14318/17	CZ	MB	5,6	LWSCN-1	15	16	YNRK	19-01-2024	19-01-2024	LMNR	6,7	20-01-2024	20-01-2024	0	0	2	160
558		14318/17	CZ	MB	5,6	LWSCN-1	15	16	YNRK	16-02-2024	16-02-2024	LMNR	6,7	17-02-2024	17-02-2024	0	0	2	160
559		14318/17	CZ	MB	5,6	LWACCNE-1	15	16	YNRK	23-02-2024	30-03-2024	LMNR	6,7	24-02-2024	01-04-2024	0	0	24	1920
560	34	14503/04	NZ	UMB	2,5	WGACCN-1	15	16	KLK	09-06-2023	30-06-2023	SVDK	3,6	10-06-2023	01-07-2023	2	2	14	896
561		14503/04	NZ	UMB	2,5	WGACCN-1	15	16	KLK	04-07-2023	14-07-2023	SVDK	3,6	05-07-2023	15-07-2023	0	0	8	512
562		14503/04	NZ	UMB	2,5	WGACCN-1	15	16	KLK	18-07-2023	28-07-2023	SVDK	3,6	19-07-2023	29-07-2023	0	0	8	512
563		14503/04	NZ	UMB	2,5	WGACCN-1	15	16	KLK	01-08-2023	29-08-2023	SVDK	3,6	02-08-2023	30-08-2023	0	0	18	1152
564		14503/04	NZ	UMB	2,5	WGACCN-1	15	16	KLK	01-09-2023	29-09-2023	SVDK	3,6	02-09-2023	30-09-2023	0	0	18	1152
565		14503/04	NZ	UMB	2,5	WGACCN-1	15	16	KLK	03-10-2023	31-10-2023	SVDK	3,6	04-10-2023	01-11-2023	0	0	18	1152
566		14503/04	NZ	UMB	2,5	WGACCN-1	15	16	KLK	03-11-2023	30-01-2024	SVDK	3,6	04-11-2023	31-01-2024	0	0	16	1024
567		14503/04	NZ	UMB	2,5	WGACCN-1	15	16	KLK	01-03-2024	29-03-2024	SVDK	3,6	02-03-2024	30-03-2024	0	0	18	1152
568	35	22456/55	CZ	UMB	4,7	WGACCN-1	15	16	KLK	08-06-2023	29-06-2023	SNSI	6,2	10-06-2023	01-07-2023	0	0	14	896
569		22456/55	CZ	UMB	4,7	WGACCN-1	15	16	KLK	02-07-2023	13-07-2023	SNSI	6,2	04-07-2023	15-07-2023	0	0	8	512
570		22456/55	CZ	UMB	4,7	WGACCN-1	15	16	KLK	16-07-2023	30-07-2023	SNSI	6,2	18-07-2023	01-09-2023	0	0	10	640
571		22456/55	CZ	UMB	4,7	WGACCN-1	15	16	KLK	03-08-2023	31-08-2023	SNSI	6,2	05-08-2023	02-09-2023	0	0	18	1152
572		22456/55	CZ	UMB	4,7	WGACCN-1	15	16	KLK	03-09-2023	28-09-2023	SNSI	6,2	05-09-2023	30-09-2023	0	0	16	1024
573		22456/55	CZ	UMB	4,7	WGACCN-1	15	16	KLK	01-10-2023	29-10-2023	SNSI	6,2	03-10-2023	31-10-2023	0	0	18	1152
574		22456/55	CZ	UMB	4,7	WGACCN-1	15	16	KLK	02-11-2023	28-01-2024	SNSI	6,2	04-11-2024	30-01-2024	0	0	18	1152
575		22456/55	CZ	UMB	4,7	WGACCN-1	15	16	KLK	03-03-2024	31-03-2024	SNSI	6,2	05-03-2024	02-04-2024	0	0	18	1152
576	36	14505/06	NZ	UMB	Daily	WGACCN-2	10	12	NDLM	01-04-2023	31-05-2023	ASR	Daily	01-04-2023	31-05-2023	1	2	244	15616
577		14505/06	NZ	UMB	Daily	WGACCN-2	10	12	NDLM	01-06-2023	31-08-2023	ASR	Daily	01-06-2023	31-08-2023	0	0	368	23552
578		14505/06	NZ	UMB	Daily	WGACCN-2	10	12	NDLM	01-09-2023	31-10-2023	ASR	Daily	01-09-2023	31-10-2023	0	0	132	8448
579		14505/06	NZ	UMB	Daily	WGSCN-3	12	15	NDLM	01-04-2023	31-05-2023	ASR	Daily	01-04-2023	31-05-2023	1	3	366	26352
580		14505/06	NZ	UMB	Daily	WGSCN-3	12	15	NDLM	01-06-2023	31-08-2023	ASR	Daily	01-06-2023	31-08-2023	0	0	552	39744
581		14505/06	NZ	UMB	Daily	WGSCN-3	12	15	NDLM	01-09-2023	31-10-2023	ASR	Daily	01-09-2023	31-10-2023	0	0	198	14256
582	37	14512/11	EZ	UMB	Daily	WGSCN-1	23	24	MTC	01-04-2023	02-04-2023	PYGS	Daily	02-04-2023	03-04-2023	2	2	4	288
583	38	14522/21	NZ	UMB	Daily	WGACCN-2	13	15	UMB	01-04-2023	13-04-2023	DLI	Daily	02-04-2023	14-04-2023	2	4	52	3328
584	39	14507/08	NZ	UMB	Daily	WGACCN-2	13	15	DLI	01-04-2023	13-04-2023	FKA	Daily	02-04-2023	14-04-2023	0	0	52	3328
585		14522/21	NZ	UMB	Daily	WGACCN-1	13	14	UMB	14-04-2023	13-07-2023	DLI	Daily	15-04-2023	14-07-2023	0	0	182	11648
586		14507/08	NZ	UMB	Daily	WGACCN-1	13	14	DLI	14-04-2023	13-07-2023	FKA	Daily	15-04-2023	14-07-2023	0	0	182	11648
587		14522/21	NZ	UMB	Daily	WGACCN-1	13	14	UMB	14-07-2023	13-10-2023	DLI	Daily	15-07-2023	14-10-2023	0	0	184	11776
588		14507/08	NZ	UMB	Daily	WGACCN-1	13	14	DLI	14-07-2023	13-10-2023	FKA	Daily	15-07-2023	14-10-2023	0	0	184	11776
589		14522/21	NZ	UMB	Daily	WGSCN-1	15	16	UMB	01-04-2023	13-04-2023	DLI	Daily	02-04-2023	14-04-2023	2	2	26	1872
590		14507/08	NZ	UMB	Daily	WGSCN-1	15	16	DLI	01-04-2023	13-04-2023	FKA	Daily	02-04-2023	14-04-2023	0	0	26	1872

591		14522/21	NZ	UMB	Daily	WGSCN-1	14	15	UMB	14-04-2023	13-07-2023	DLI	Daily	15-04-2023	14-07-2023	0	0	182	13104
592		14507/08	NZ	UMB	Daily	WGSCN-1	14	15	DLI	14-04-2023	13-07-2023	FKA	Daily	15-04-2023	14-07-2023	0	0	182	13104
593		14522/21	NZ	UMB	Daily	WGSCN-1	14	15	UMB	14-07-2023	13-10-2023	DLI	Daily	15-07-2023	14-10-2023	0	0	184	13248
594		14507/08	NZ	UMB	Daily	WGSCN-1	14	15	DLI	14-07-2023	13-10-2023	FKA	Daily	15-07-2023	14-10-2023	0	0	184	13248
595		14522/21	NZ	UMB	Daily	WGSCN-1	13	14	UMB	14-10-2023	13-01-2024	DLI	Daily	15-10-2023	14-01-2024	0	0	184	13248
596		14507/08	NZ	UMB	Daily	WGSCN-1	13	14	DLI	14-10-2023	13-01-2024	FKA	Daily	15-10-2023	14-01-2024	0	0	184	13248
597		14522/21	NZ	UMB	Daily	WGSCN-1	13	14	UMB	14-01-2024	31-03-2024	DLI	Daily	15-01-2024	01-04-2024	0	0	156	11232
598		14507/08	NZ	UMB	Daily	WGSCN-1	13	14	DLI	14-01-2024	31-03-2024	FKA	Daily	15-01-2024	01-04-2024	0	0	156	11232
599		14522/21	NZ	UMB	Daily	WGSCN-1	14	15	UMB	14-10-2023	13-01-2024	DLI	Daily	15-10-2023	14-01-2024	2	2	184	13248
600		14507/08	NZ	UMB	Daily	WGSCN-1	14	15	DLI	14-10-2023	13-01-2024	FKA	Daily	15-10-2023	14-01-2024	0	0	184	13248
601		14522/21	NZ	UMB	Daily	WGSCN-1	14	15	UMB	14-01-2024	31-03-2024	DLI	Daily	15-01-2024	01-04-2024	0	0	156	11232
602		14507/08	NZ	UMB	Daily	WGSCN-1	14	15	DLI	14-01-2024	31-03-2024	FKA	Daily	15-01-2024	01-04-2024	0	0	156	11232
603	40	14523/24	EZ	UMB	2,6	WGSCN-1	17	18	UMB	16-03-2024	26-03-2024	BJU	4,1	18-03-2024	28-03-2024	1	1	8	576
604	41	14553/54	NZ	DLI	Daily	WGACCN-1	15	16	DLI	11-10-2023	10-01-2024	DLPC	Daily	12-10-2023	11-01-2024	4	4	184	11776
605	42	04514/13	NZ	DLI	Daily	WGACCN-1	15	16	DLPC	12-10-2023	11-01-2024	NLDM	Daily	12-10-2023	11-01-2024	0	0	92	5888
606	43	14087/88	NZ	DLI	Daily	WGACCN-1	15	16	DLI	13-10-2023	12-01-2024	JSM	Daily	14-10-2023	13-01-2024	0	0	184	11776
607		14553/54	NZ	DLI	Daily	WGSCN-2	16	18	DLI	11-10-2023	10-01-2024	DLPC	Daily	12-10-2023	11-01-2024	4	8	368	26496
608		04514/13	NZ	DLI	Daily	WGSCN-2	16	18	DLPC	12-10-2023	11-01-2024	NLDM	Daily	12-10-2023	11-01-2024	0	0	184	13248
609		14087/88	NZ	DLI	Daily	WGSCN-2	16	18	DLI	13-10-2023	12-01-2024	JSM	Daily	14-10-2023	13-01-2024	0	0	368	26496
610	44	14610/09	NZ	FZR	Daily	LWACCNE-1	19	20	SVDK	21-03-2024	31-03-2024	YNRK	Daily	22-03-2024	01-04-2024	1	1	22	1760
611	**45**	14612/11	EZ	FZR	4	LWSCN-1	20	21	SVDK	06-04-2023	06-04-2023	GCT	5	07-04-2023	07-04-2023	1	1	2	160
612		14612/11	EZ	FZR	4	LWSCN-1	20	21	SVDK	20-04-2023	20-04-2023	GCT	5	21-04-2023	21-04-2023	0	0	2	160
613		14612/11	EZ	FZR	4	LWSCN-1	20	21	SVDK	27-04-2023	27-04-2023	GCT	5	28-04-2023	28-04-2023	0	0	2	160
614		14612/11	EZ	FZR	4	LWSCN-1	20	21	SVDK	04-05-2023	04-05-2023	GCT	5	05-05-2023	05-05-2023	0	0	2	160
615		14612/11	EZ	FZR	4	LWSCN-1	20	21	SVDK	11-05-2023	11-05-2023	GCT	5	12-05-2023	12-05-2023	0	0	2	160
616		14612/11	EZ	FZR	4	LWSCN-1	20	21	SVDK	18-05-2023	13-07-2023	GCT	5	19-05-2023	14-07-2023	0	0	18	1440
617		14612/11	EZ	FZR	4	LWSCN-1	20	21	SVDK	14-09-2023	14-09-2023	GCT	5	15-09-2023	15-09-2023	0	0	2	160
618		14612/11	EZ	FZR	4	LWSCN-1	20	21	SVDK	21-09-2023	21-09-2023	GCT	5	22-09-2023	22-09-2023	0	0	2	160
619		14612/11	EZ	FZR	4	LWSCN-1	20	21	SVDK	12-10-2023	12-10-2023	GCT	5	13-10-2023	13-10-2023	0	0	2	160
620		14612/11	EZ	FZR	4	LWSCN-1	20	21	SVDK	19-10-2023	30-11-2023	GCT	5	20-10-2023	01-12-2023	0	0	14	1120
621	45	04672/71	EZ	FZR	7	LWSCN-1	20	21	SVDK	14-05-2023	02-07-2023	GCT	1	15-05-2023	03-07-2023	0	0	16	1280
622		04672/71	EZ	FZR	7	LWSCN-1	20	21	SVDK	09-07-2023	09-07-2023	GCT	1	10-07-2023	10-07-2023	0	0	2	160
623	46	01654/53	EZ	FZR	7	LWSCN-1	20	21	SVDK	22-10-2023	26-11-2023	GCT	2	24-10-2023	28-11-2023	0	0	12	960
624	47	14624/23	CZ	FZR	Daily	LWACCN-1	20	21	FZR	10-04-2023	09-07-2023	CWA	Daily	11-04-2023	10-07-2023	3	3	182	13104
625		14624/23	CZ	FZR	Daily	LWSCN-1	20	21	FZR	25-08-2023	24-09-2023	SEY	Daily	26-08-2023	25-09-2023	3	3	34	2720
626		14624/23	CZ	FZR	Daily	LWACCNE-1	21	22	FZR	25-08-2023	24-09-2023	SEY	Daily	26-08-2023	25-09-2023	3	3	34	2720
627	48	14646/45	WZ	FZR	1,2,4,6	WGSCN-1	23	24	JAT	01-04-2023	06-04-2023	JSM	3,4,6,1	03-04-2023	08-04-2023	4	4	8	576
628		14646/45	WZ	FZR	1,2,4,6	WGSCN-1	23	24	JAT	13-05-2023	13-05-2023	JSM	3,4,6,1	15-05-2023	15-05-2023	0	0	2	144
629	49	14662/61	WZ	FZR	3,5,7	WGSCN-1	23	24	JAT	02-04-2023	07-04-2023	BME	1.3.6	05-04-2023	10-04-2023	0	0	6	432

630	50	14650/49	EZ	FZR	1,3,6	WGSCN-1	23	24	ASR	01-04-2023	05-04-2023	JYG	2,5,7	04-04-2023	09-04-2023	4	4	6	432
631	51	14674/73	EZ	FZR	2,4,5,7	WGSCN-1	23	24	ASR	02-04-2023	07-04-2023	JYG	1,3,4,6	03-04-2023	08-04-2023	0	0	8	576
632		14674/73	EZ	FZR	2,4,5,7	WGSCN-1	23	24	ASR	20-07-2023	20-07-2023	JYG	1,3,4,6	22-07-2023	22-07-2023	0	0	2	144
633	52	04603/04	NZ	UMB	Daily	GS-3	7	10	BTI	01-04-2023	13-04-2023	FZR	Daily	03-04-2023	15-04-2023	3	9	78	7020
634		04603/04	NZ	UMB	Daily	GS-3	7	10	BTI	14-04-2023	13-07-2023	FZR	Daily	16-04-2023	15-07-2023	0	0	546	49140
635		04603/04	NZ	UMB	Daily	GS-3	7	10	BTI	14-07-2023	13-10-2023	FZR	Daily	16-07-2023	15-10-2023	0	0	552	49680
636		04603/04	NZ	UMB	Daily	GS-3	7	10	BTI	14-10-2023	13-01-2024	FZR	Daily	16-10-2023	15-01-2024	0	0	552	49680
637		04603/04	NZ	UMB	Daily	GS-3	7	10	BTI	14-01-2024	31-03-2024	FZR	Daily	15-01-2024	01-04-2024	0	0	468	42120
638	53	04464/63	NZ	UMB	Daily	GS-3	7	10	FZR	01-04-2023	13-04-2023	LDH	Daily	02-04-2023	14-04-2023	0	0	78	7020
639		04464/63	NZ	UMB	Daily	GS-3	7	10	FZR	14-04-2023	13-07-2023	LDH	Daily	15-04-2023	14-07-2023	0	0	546	49140
640		04464/63	NZ	UMB	Daily	GS-3	7	10	FZR	14-07-2023	13-10-2023	LDH	Daily	15-07-2023	14-10-2023	0	0	552	49680
641		04464/63	NZ	UMB	Daily	GS-3	7	10	FZR	14-10-2023	13-01-2024	LDH	Daily	15-10-2023	14-01-2024	0	0	552	49680
642		04464/63	NZ	UMB	Daily	GS-3	7	10	FZR	14-01-2024	31-03-2024	LDH	Daily	15-01-2024	01-04-2024	0	0	468	42120
643	54	04555/56	NZ	UMB	Daily	GS-3	7	10	LDH	01-04-2023	13-04-2023	LNK	Daily	02-04-2023	14-04-2023	0	0	78	7020
644		04555/56	NZ	UMB	Daily	GS-3	7	10	LDH	14-04-2023	13-07-2023	LNK	Daily	15-04-2023	14-07-2023	0	0	546	49140
645		04555/56	NZ	UMB	Daily	GS-3	7	10	LDH	14-07-2023	13-10-2023	LNK	Daily	15-07-2023	14-10-2023	0	0	552	49680
646		04555/56	NZ	UMB	Daily	GS-3	7	10	LDH	14-10-2023	13-01-2024	LNK	Daily	15-10-2023	14-01-2024	0	0	552	49680
647		04555/56	NZ	UMB	Daily	GS-3	7	10	LDH	14-01-2024	31-03-2024	LNK	Daily	15-01-2024	01-04-2024	0	0	468	42120
648	55	04658/57	NZ	UMB	Daily	GS-3	7	10	FZR	03-04-2023	15-04-2023	BTI	Daily	03-04-2023	15-04-2023	0	0	78	7020
649		04658/57	NZ	UMB	Daily	GS-3	7	10	FZR	16-04-2023	15-07-2023	BTI	Daily	16-04-2023	15-07-2023	0	0	546	49140
650		04658/57	NZ	UMB	Daily	GS-3	7	10	FZR	16-07-2023	15-10-2023	BTI	Daily	16-07-2023	15-10-2023	0	0	552	49680
651		04658/57	NZ	UMB	Daily	GS-3	7	10	FZR	16-10-2023	15-01-2024	BTI	Daily	16-10-2023	15-01-2024	0	0	552	49680
652		04658/57	NZ	UMB	Daily	GS-3	7	10	FZR	16-01-2024	31-03-2024	BTI	Daily	16-01-2024	31-03-2024	0	0	456	41040
653	56	04570/69	NZ	UMB	Daily	GS-1	9	10	FZR	01-04-2023	13-04-2023	BTI	Daily	01-04-2023	13-04-2023	1	1	26	2340
654		04570/69	NZ	UMB	Daily	GS-1	9	10	FZR	14-04-2023	13-07-2023	BTI	Daily	14-04-2023	13-07-2023	0	0	182	16380
655		04570/69	NZ	UMB	Daily	GS-1	9	10	FZR	14-07-2023	13-10-2023	BTI	Daily	14-07-2023	13-10-2023	0	0	184	16560
656		04570/69	NZ	UMB	Daily	GS-1	9	10	FZR	14-10-2023	13-01-2024	BTI	Daily	14-10-2023	13-01-2024	0	0	184	16560
657		04570/69	NZ	UMB	Daily	GS-1	9	10	FZR	14-01-2024	31-03-2024	BTI	Daily	14-01-2024	31-03-2024	0	0	156	14040
658	57	20401/02	EZ	LKO	Daily	WGSCZAC-2	17	19	BSB	01-04-2023	30-04-2023	LKO	Daily	01-04-2023	30-04-2023	1	2	120	8400
659		20401/02	EZ	LKO	Daily	GS-2	19	21	BSB	01-04-2023	30-04-2023	LKO	Daily	01-04-2023	30-04-2023	1	2	120	10800
660		20401/02	EZ	LKO	Daily	WGSCZAC-2	16	18	BSB	01-05-2023	30-06-2023	LKO	Daily	01-05-2023	30-06-2023	0	0	244	17080
661		20401/02	EZ	LKO	Daily	WGSCZAC-2	16	18	BSB	01-07-2023	31-07-2023	LKO	Daily	01-07-2023	31-07-2023	0	0	124	8680
662		20401/02	EZ	LKO	Daily	WGSCZAC-2	16	18	BSB	01-08-2023	31-08-2023	LKO	Daily	01-08-2023	31-08-2023	0	0	124	8680
663		20401/02	EZ	LKO	Daily	WGSCZAC-2	16	18	BSB	01-09-2023	30-09-2023	LKO	Daily	01-09-2023	30-09-2023	0	0	120	8400
664		20401/02	EZ	LKO	Daily	WGSCZAC-2	16	18	BSB	01-10-2023	31-10-2023	LKO	Daily	01-10-2023	31-10-2023	0	0	124	8680
665		20401/02	EZ	LKO	Daily	WGSCZAC-2	16	18	BSB	01-11-2023	31-12-2023	LKO	Daily	01-11-2023	31-12-2023	0	0	244	17080

666		20401/02	EZ	LKO	Daily	WGSCZAC-1	16	17	BSB	01-01-2024	31-03-2024	LKO	Daily	01-01-2024	31-03-2024	0	0	182	12740
667	58	20413/14	EZ	LKO	2,4	LWACCN-1	16	17	BSB	27-06-2023	28-09-2023	INDB	3,5	28-06-2023	29-06-2023	1	1	56	4032
668	59	20415/16	EZ	LKO	7	LWACCN-1	16	17	BSB	02-07-2023	01-10-2023	INDB	1	03-07-2023	02-10-2023	0	0	28	2016
669		20413/14	EZ	LKO	2,4	LWACCN-1	16	17	BSB	03-10-2023	04-01-2024	INDB	3,5	04-10-2023	05-01-2024	0	0	56	4032
670		20413/14	EZ	LKO	2,4	LWACCN-1	16	17	BSB	16-01-2024	30-01-2024	INDB	3,5	17-01-2024	31-01-2024	0	0	10	720
671		20413/14	EZ	LKO	2,4	LWSCN-1	16	17	BSB	05-03-2024	28-03-2024	INDB	3,5	06-03-2024	29-03-2024	1	1	16	1152
672		20415/16	EZ	LKO	7	LWACCN-1	16	17	BSB	08-10-2023	07-01-2024	INDB	1	09-10-2023	08-01-2024	0	0	28	2016
673		20415/16	EZ	LKO	7	LWACCN-1	16	17	BSB	21-01-2024	28-01-2024	INDB	1	22-01-2024	29-01-2024	0	0	4	288
674		20415/16	EZ	LKO	7	LWSCN-1	16	17	BSB	10-03-2024	31-03-2024	INDB	1	11-03-2024	01-04-2024	0	0	8	576
675	60	22401/02	NZ	DLI	1,3,6	LWACCN-1	20	21	DEE	01-04-2023	05-04-2023	UHP	2,4,7	02-04-2023	06-04-2023	1	1	6	432
676		22401/02	NZ	DLI	1,3,6	LWACCN-1	20	21	DEE	08-04-2023	08-04-2023	UHP	2,4,7	09-04-2023	09-04-2023	0	0	2	144
677		22401/02	NZ	DLI	1,3,6	LWACCN-1	20	21	DEE	10-04-2023	29-04-2023	UHP	2,4,7	11-04-2023	30-04-2023	0	0	18	1296
678		22401/02	NZ	DLI	1,3,6	LWACCN-1	20	21	DEE	01-05-2023	31-05-2023	UHP	2,4,7	02-05-2023	01-06-2023	0	0	28	2016
679		22401/02	NZ	DLI	1,3,6	LWACCN-1	20	21	DEE	03-06-2023	28-06-2023	UHP	2,4,7	04-06-2023	29-06-2023	0	0	24	1728
680		22401/02	NZ	DLI	1,3,6	LWACCN-1	20	21	DEE	01-07-2023	08-07-2023	UHP	2,4,7	02-07-2023	09-07-2023	0	0	8	576
681		22401/02	NZ	DLI	1,3,6	LWACCN-1	21	22	DEE	06-05-2023	06-05-2023	UHP	2,4,7	07-05-2023	07-05-2023	1	1	2	144
682		22401/02	NZ	DLI	1,3,6	LWACCN-1	21	22	DEE	13-05-2023	31-05-2023	UHP	2,4,7	14-05-2023	01-06-2023	0	0	18	1296
683		22401/02	NZ	DLI	1,3,6	LWACCN-1	21	22	DEE	03-06-2023	28-06-2023	UHP	2,4,7	04-06-2023	29-06-2023	0	0	24	1728
684		22401/02	NZ	DLI	1,3,6	LWACCN-1	21	22	DEE	01-07-2023	08-07-2023	UHP	2,4,7	02-07-2023	09-07-2023	0	0	8	576
685		22401/02	NZ	DLI	1,3,6	LWACCNE-1	20	21	DEE	18-10-2023	30-10-2023	MCTM	2,4,7	19-10-2023	31-10-2023	1	1	12	960
686		22401/02	NZ	DLI	1,3,6	LWACCNE-1	20	21	DEE	01-11-2023	29-11-2023	MCTM	2,4,7	01-12-2023	30-11-2023	0	0	26	2080
687		22401/02	NZ	DLI	1,3,6	LWACCNE-1	21	22	DEE	15-11-2023	15-11-2023	MCTM	2,4,7	16-11-2023	16-11-2023	1	1	2	160
688		22401/02	NZ	DLI	1,3,6	LWACCNE-1	20	21	DEE	25-12-2023	25-12-2023	MCTM	2,4,7	26-12-2023	26-12-2023	0	0	2	160
689		22401/02	NZ	DLI	1,3,6	LWACCNE-1	20	21	DEE	30-01-2023	01-01-2024	MCTM	2,4,7	31-12-2023	02-01-2024	0	0	4	320
690	61	22412/11	EZ	DLI	7,4	LWACCNE-1	21	22	ANVT	06-04-2023	06-04-2023	NHLN	2,6	08-04-2023	08-04-2023	0	0	2	144
691		22412/11	EZ	DLI	7,4	LWACCN-1	21	22	ANVT	09-04-2023	09-04-2023	NHLN	2,6	11-04-2023	11-04-2023	0	0	2	144
692		22412/11	EZ	DLI	7,4	LWACCN-1	21	22	ANVT	13-04-2023	30-04-2023	NHLN	2,6	15-04-2023	02-05-2023	2	2	12	864
693		22412/11	EZ	DLI	7,4	LWACCN-1	21	22	ANVT	04-05-2023	28-05-2023	NHLN	2,6	06-05-2023	30-05-2023	0	0	16	1152
694		22412/11	EZ	DLI	7,4	LWACCN-1	21	22	ANVT	01-06-2023	29-06-2023	NHLN	2,6	03-06-2023	01-07-2023	0	0	18	1296
695		22412/11	EZ	DLI	7,4	LWACCN-1	21	22	ANVT	02-07-2023	09-07-2023	NHLN	2,6	04-07-2023	11-07-2023	0	0	6	432
696		22412/11	EZ	DLI	7,4	LWACCN-1	21	22	ANVT	27-08-2023	27-08-2023	NHLN	2,6	29-08-2023	29-08-2023	0	0	2	144
697		22412/11	EZ	DLI	7,4	LWACCN-1	21	22	ANVT	28-09-2023	28-09-2023	NHLN	2,6	30-09-2023	30-09-2023	0	0	2	144
698		22412/11	EZ	DLI	7,4	LWACCNE-1	21	22	ANVT	15-10-2023	15-10-2023	NHLN	2,6	17-10-2023	17-10-2023	0	0	2	160
699		22412/11	EZ	DLI	7,4	LWACCNE-1	21	22	ANVT	19-10-2023	29-10-2023	NHLN	2,6	21-10-2023	31-10-2023	2	2	8	640
700		22412/11	EZ	DLI	7,4	LWACCNE-1	21	22	ANVT	02-11-2023	30-11-2023	NHLN	2,6	04-11-2023	02-12-2023	0	0	18	1440

701		22412/11	EZ	DLI	7,4	LWACCNE-1	21	22	ANVT	07-12-2023	07-12-2023	NHLN	2,6	09-12-2023	09-12-2023	0	0	2	160
702		22412/11	EZ	DLI	7,4	LWACCN-1	21	22	ANVT	17-12-2023	17-12-2023	NHLN	2,6	19-12-2023	19-12-2023	0	0	2	144
703		22412/11	EZ	DLI	7,4	LWACCN-1	21	22	ANVT	21-12-2023	21-12-2023	NHLN	2,6	23-12-2023	23-12-2023	0	0	2	144
704		22412/11	EZ	DLI	7,4	LWACCNE-1	21	22	ANVT	24-12-2023	28-12-2023	NHLN	2,6	26-12-2023	30-12-2023	0	0	4	320
705		22412/11	EZ	DLI	7,4	LWACCNE-1	21	22	ANVT	31-12-2023	31-12-2023	NHLN	2,6	02-01-2024	02-01-2024	0	0	2	160
706		22412/11	EZ	DLI	7,4	LWACCNE-1	21	22	ANVT	04-01-2024	04-01-2024	NHLN	2,6	06-01-2024	06-01-2024	0	0	2	160
707		22412/11	EZ	DLI	7,4	LWACCNE-1	21	22	ANVT	07-01-2024	07-01-2024	NHLN	2,6	09-01-2024	09-01-2024	0	0	2	160
708		22412/11	EZ	DLI	7,4	LWACCNE-1	21	22	ANVT	11-01-2024	11-01-2024	NHLN	2,6	13-01-2024	13-01-2024	0	0	2	160
709		22412/11	EZ	DLI	7,4	LWACCNE-1	21	22	ANVT	18-01-2024	18-01-2024	NHLN	2,6	20-01-2024	20-01-2024	0	0	2	160
710		22412/11	EZ	DLI	7,4	LWACCNE-1	21	22	ANVT	25-01-2024	25-01-2024	NHLN	2,6	27-01-2024	27-01-2024	0	0	2	160
711		22412/11	EZ	DLI	7,4	LWACCNE-1	21	22	ANVT	15-02-2024	15-02-2024	NHLN	2,6	17-02-2024	17-02-2024	0	0	2	160
712		22412/11	EZ	DLI	7,4	LWACCNE-1	21	22	ANVT	22-02-2024	22-02-2024	NHLN	2,6	24-02-2024	24-02-2024	0	0	2	160
713		22412/11	EZ	DLI	7,4	LWACCNE-1	21	22	ANVT	29-02-2024	29-02-2024	NHLN	2,6	02-03-2024	02-03-2024	0	0	2	160
714		22412/11	EZ	DLI	7,4	LWACCNE-1	21	22	ANVT	07-03-2024	07-03-2024	NHLN	2,6	09-03-2024	09-03-2024	0	0	2	160
715		22412/11	EZ	DLI	7,4	LWACCNE-1	21	22	ANVT	14-03-2024	28-03-2024	NHLN	2,6	16-03-2024	30-03-2024	0	0	10	800
716	62	22467/68	WZ	LKO	3	LWACCN-1	16	17	BSB	20-03-2024	27-03-2024	INDB	4	21-03-2024	28-03-2024	1	1	4	288
717	63	04066/65	EZ	DLI	1,4	LWACCNE-1	21	22	ANVT	06-11-2023	30-11-2023	PNBE	2,5	07-11-2023	01-12-2023	0	0	16	1280
718		04066/65	EZ	DLI	1,4	LWACCNE-1	21	22	ANVT	21-03-2024	28-03-2024	PNBE	2,5	22-03-2024	29-03-2024	0	0	6	480
719	63	04056/55	EZ	DLI	3	LWACCW-3	19	22	ANVT	21-06-2023	21-06-2023	BUI	4	22-06-2023	22-06-2023	1	3	6	324
720		04056/55	EZ	DLI	3	LWACCW-3	19	22	ANVT	28-06-2023	28-06-2023	BUI	4	29-06-2023	29-06-2023	0	0	6	324
721	64	04360/59	EZ	MB	Daily	GS-3	10	13	RKSH	04-07-2023	20-07-2023	CH	Daily	04-07-2023	21-07-2023	2	6	102	9180
722	65	04361/62	EZ	MB	Daily	GS-3	10	13	HW	04-07-2023	20-07-2023	RKSH	Daily	05-07-2023	20-07-2023	0	0	102	9180
723	66	04363/64	EZ	MB	Daily	GS-3	10	13	HW	04-07-2023	20-07-2023	RKSH	Daily	05-07-2023	21-07-2023	0	0	102	9180
724		04360/59	EZ	MB	Daily	GS-3	10	13	RKSH	17-09-2023	07-10-2023	CH	Daily	17-09-2023	07-10-2023	0	0	126	11340
725		04361/62	EZ	MB	Daily	GS-3	10	13	HW	17-09-2023	07-10-2023	RKSH	Daily	18-09-2023	08-10-2023	0	0	126	11340
726		04363/64	EZ	MB	Daily	GS-3	10	13	HW	17-09-2023	07-10-2023	RKSH	Daily	18-09-2023	08-10-2023	0	0	126	11340
727	67	04374/73	EZ	MB	Daily	GS-2	13	15	DDN	04-07-2023	20-07-2023	SRE	Daily	04-07-2023	20-07-2023	1	2	68	6120
728	68	04376/75	EZ	MB	Daily	GS-2	13	15	BE	04-07-2023	20-07-2023	ALJN	Daily	04-07-2023	20-07-2023	2	4	68	6120
729	69	04378/77	EZ	MB	Daily	GS-2	13	15	BE	04-07-2023	20-07-2023	ALJN	Daily	04-07-2023	20-07-2023	0	0	68	6120
730		04376/75	EZ	MB	Daily	GS-2	13	15	BE	17-09-2023	07-10-2023	ALJN	Daily	17-09-2023	07-10-2023	0	0	84	7560

731		04378/77	EZ	MB	Daily	GS-2	13	15	BE	17-09-2023	07-10-2023	ALJN	Daily	17-09-2023	07-10-2023	0	0	84	7560
732		04376/75	EZ	MB	Daily	GS-2	13	15	BE	26-11-2023	28-11-2023	ALJN	Daily	26-11-2023	28-11-2023	0	0	12	1080
733		04378/77	EZ	MB	Daily	GS-2	13	15	BE	26-11-2023	28-11-2023	ALJN	Daily	26-11-2023	28-11-2023	0	0	12	1080
734	70	04334/33	EZ	MB	Daily	GS-1	10	11	NBD	04-07-2023	20-07-2023	GJL	Daily	05-07-2023	21-07-2023	2	2	34	3060
735	71	04394/93	EZ	MB	Daily	GS-1	10	11	GJL	04-07-2023	20-07-2023	ALJN	Daily	05-07-2023	21-07-2023	0	0	34	3060
736		04334/33	EZ	MB	Daily	GS-1	10	11	NBD	17-09-2023	07-10-2023	GJL	Daily	18-09-2023	08-10-2023	0	0	42	3780
737		04394/93	EZ	MB	Daily	GS-1	10	11	GJL	17-09-2023	07-10-2023	ALJN	Daily	18-09-2023	08-10-2023	0	0	42	3780
738		04334/33	EZ	MB	Daily	GS-1	10	11	NBD	26-11-2023	28-11-2023	GJL	Daily	27-11-2023	29-11-2023	0	0	6	540
739		04394/93	EZ	MB	Daily	GS-1	10	11	GJL	26-11-2023	28-11-2023	ALJN	Daily	27-11-2023	29-11-2023	0	0	6	540
740	72	04358/57	EZ	MB	Daily	GS-1	10	11	NBD	04-07-2023	20-07-2023	MB	Daily	04-07-2023	20-07-2023	1	1	34	3060
741		04358/57	EZ	MB	Daily	GS-1	10	11	NBD	17-09-2023	07-10-2023	MB	Daily	17-09-2023	07-10-2023	0	0	42	3780
742		04358/57	EZ	MB	Daily	GS-1	10	11	NBD	26-11-2023	28-11-2023	MB	Daily	26-11-2023	28-11-2023	0	0	6	540
743	73	04303/04	NZ	DLI	Daily	GS-2	18	20	BE	12-09-2023	12-09-2023	DLI	Daily	13-09-2023	13-09-2023	1	2	4	360
744	74	04433/34	EZ	DLI	Daily	GS-2	18	20	DLI	13-09-2023	13-09-2023	RE	Daily	13-09-2023	13-09-2023	0	0	4	360
745	75	01664/63	EZ	DLI	1	CWGSCN-1	20	21	ANVT	23-10-2023	27-11-2023	SHC	2	24-10-2023	28-11-2023	1	1	12	864
746	76	04010/09	EZ	DLI	2	WGSCN-1	20	21	ANVT	07-11-2023	28-11-2023	JBN	4	09-11-2023	30-11-2023	1	1	8	576
747	77	04060/59	EZ	DLI	2,5	WGSCN-1	20	21	ANVT	07-11-2023	28-11-2023	JYG	3,6	08-11-2023	29-11-2023	1	1	14	1008
748	78	04056/55	EZ	DLI	3	LWACCNE-1	19	20	ANVT	01-11-2023	22-11-2023	BUI	4	07-11-2023	01-12-2023	1	1	8	640
749	79	04488/87	EZ	DLI	6	LWACCNE-1	19	20	ANVT	04-11-2023	25-11-2023	GKP	7	05-11-2023	26-11-2023	0	0	8	640
750	80	04012/11	EZ	DLI	2,5	CWGSCN-1	20	21	NDLS	07-11-2023	28-11-2023	DBG	3,6	08-11-2023	29-11-2023	1	1	14	1008
751	81	04049/50	EZ	DLI	1,6	CWGSCN-1	22	23	NDLS	21-10-2023	27-11-2023	SVDK	2,7	22-10-2023	28-11-2023	1	1	20	1440
752	82	04080/79	EZ	DLI	1,4,6	CWGSCN-1	22	23	NDLS	06-11-2023	30-11-2023	BSB	2,5,7	07-11-2023	01-12-2023	2	2	22	1584
753	83	12314/13	EZ	DLI	Daily	LWACCN-1	21	22	NDLS	19-10-2023	19-10-2023	SDAH	Daily	21-10-2023	21-10-2023	1	1	2	144
754	84	12958/57	WZ	DLI	Daily	LWFAC-1	22	23	NDLS	13-10-2023	13-10-2023	ADI	Daily	14-10-2023	14-10-2023	1	1	2	48
755	85	12630/49	CR	DLI	5	LWACCN-1	21	22	NZM	06-10-2023	06-10-2023	YPR	1	09-10-2023	09-10-2023	1	1	2	144
756	86	19412/11	WZ	FZR	Daily	WGSCN-1	18	19	DLPC	21-12-2023	31-12-2023	SBIB	Daily	23-12-2023	02-01-2024	3	3	22	1584
757	87	04022	EZ	DLI	4	LWSCN-1	22	23	NDLS	08-02-2024	08-02-2024	AY	6	10-02-2024	10-02-2024	1	1	2	160
758	88	04245/46	EZ	LKO	Daily	GS-12	10	22	PYGS	08-02-2024	08-03-2024	JNU	Daily	09-02-2024	09-03-2024	1	12	720	64800
	88														**Total**	**106**	**216**	**33470**	**2536688**

SUMMARY TEMPORARY AUGMENTATION OF NR TRAINS- 2023-24 (As on 31-03-2024)					
Occasion	**Total No. of trains augmented**	**Total No. of Rakes augmented**	**Total No. of coaches attached**	**Total No. of Trips**	**Total seats Generated (Approx.)**
2023-24	88	106	216	33470	2536688

LIST OF NR TRAINS CONVERTED INTO LHB DURING 2023-24

Anneuxre 'C'

S.No.	Year	Rly.	Divn.	Train No.	From	To	Catry	PM At	Old Type of Rake	Rakes Converted into	Rakes Converted into LHB W.e.f.	No. of Rakes
1	2023-24	NR	DLI	12265/66	DEE	JAT	DRNT	DEE	SB	LHB	21-07-2023	1
2	2023-24	NR	FZR	14650/49	ASR	JYG	EXP	ASR	ICF(IRS)	LHB	23-10-2023	4
3	2023-24	NR	FZR	14674/73	ASR	JYG	EXP	ASR	ICF(IRS)	LHB	24-10-2023	0
4	2023-24	NR	UMB	14505/06	NLDM	ASR	EXP	CDG	ICF(IRS)	LHB	03-10-2023	1
4												**6**

LIST OF NR TRAINS CONVERTED INTO CBC DURING 2023-24

S.No.	Year	Rly.	Divn.	Train No.	From	To	Catry	PM At	Old Type of Rake	Rakes Converted into	Rakes Converted into CBC W.e.f.	No. of Rakes
1	2022-23	NR	DLI	14027/28	JIND	FZR	EXP	DLI	ICF(IRS)	ICF(CBC)	26-04-2023	2
2	2022-23	NR	DLI	04992/04991 (54038/37)	JIND	KKDE	Pass	DLI	ICF(IRS)	ICF(CBC)	27-04-2023	1
3	2022-23	NR	DLI	04994/04993 (J54048/47)	JIND	KKDE	Pass	DLI	ICF(IRS)	ICF(CBC)	27-04-2023	0
4	2022-23	NR	DLI	01616/01615 (54040/41)	JIND	KKDE	Pass	DLI	ICF(IRS)	ICF(CBC)	28-04-2023	0
4												**3**

LIST OF NR TRAINS CONVERTED INTO MEMU RAKE DURING 2023-24

S.No.	Year	Rly.	Divn.	Train No.	From	To	Catry	PM At	Old Type of Rake	Rakes Converted into	Rakes Converted into MEMU W.e.f.	No. of Rakes
1	2023-24	NR	DLI	04019/04020 (74025/74026)	DLI	SMQL	DEMU	DLI/CYZ	DEMU	MEMU	15-06-2023	**1**
2	2023-24	NR	DLI	04023/04024 (74027/74028)	DLI	KPKI	DEMU	DLI/CYZ	DEMU	MEMU	15-06-2023	**0**
3	2023-24	NR	LKO	04203/04204	LKO	AYC	Pass	DLI/CYZ	ICF(IRS)	MEMU	08-12-2022	**2**
4	2023-24	NR	LKO	04242/04241	MUR	AYC	Pass	DLI/CYZ	ICF(IRS)	MEMU	09-12-2022	**0**
5	2023-24	NR	LKO	04259/04260	AYC	MUR	Pass	DLI/CYZ	ICF(IRS)	MEMU	09-12-2022	**0**
6	2023-24	NR	LKO	04257/04258	MUR	AY	Pass	DLI/CYZ	ICF(IRS)	MEMU	09-12-2022	**0**
7	2023-24	NR	LKO	04382/04381	PYGS	AYC	Pass	DLI/CYZ	ICF(IRS)	MEMU	09-12-2022	**1**
												4

Annexure-D

MERGER OF RAKES DURING - 2023 -24

S. No.	Merger of Rakes	No. of Rakes Merged	Implemented w.e.f.	Remarks	RLRA No.
DURING - 2023-2024					
1	Rake of 14505/14506 NDLM-ASR Express (ICF) rakes will be converted into LHB rake and merged in link with train no. 12411/12412(LHB Rake) CDG-ASR Superfast Intercity Express On Permanent Basis	2	**03-10-2023**	Saving of One Primary Maintenance slot at NLDM . As Rakes are now given Primary Maintenance at CDG on alternate day basis	
2	Conversion of (Lucknow owning) ICF passengers trains no. 04203/04 (LKO-AYC), 04241/42 (MUR-AYC), 04259/60 (MUR-AY extended upto AYC), 04257/58 (MUR-AY) and 04381/82 (PYGS-AYC) PSPCS into MEMU rakes and its linked with Rake links of NR MEMU trains viz. 04581-04188-04181-04180-04183-04428 (Link of PNP-DLI-HRS-TDL-CNB-LKO-UTR) will be merged and Operated as One Combined Rake Link on Permanent Basis commencing from 25-01-2024	**3**	**25-01-2023**	TTRA-119, Dated-18.01.2024	

LIST OF NORTHERN RAILWAY TRAINS STANDARDISED DURING 2023-24								Annexure-E
S. No.	**Year**	**No. of Rakes**	**No. of Trains running in links (pairs)**	**No. of Links**	**Train- Number which is run by these rakes**	**Notified During**	**W.e.f.**	**RLRA No.**
1	2023-24	1	1	1	12284/83 NZM-ERS Duronto Express (Weekly)	**Mar-23**	22-07-2023	**RLRA-48/23**
2	2023-24	3	2	1	12406/05 NZM-BSL Gondwana Superfast Express(Bi-Weekly)	**Mar-23**	21-07-2023	**RLRA-48/23**
3	2023-24	0	0	0	12410/09 NZM-RIG Gondwana Superfast Express(5 days a week)	**Mar-23**	22-07-2023	**RLRA-48/23**
4	2023-24	2	1	1	12448/47 NZM-MKP Uttar Sampark Kranti Express	**Mar-23**	20-07-2023	**RLRA-48/23**
5	2023-24	2	1	1	12445/12446 NDLS-SVDK Uttar Sampark Kranti Express	**May-23**	12-09-2023	**RLRA-69/23**
6	2023-24	2	2	1	14038/14037 NDLS-SCL Poorvottar Sampark Kranti Express	**May-23**	14-09-2023	**RLRA-69/23**
7	2023-24	0	0	0	22450/22449 NDLS-GHY Poorvottar Sampark Kranti Express	**May-23**	20-09-2023	**RLRA-69/23**
8	2023-24	4	2	1	14674/14673 ASR-JYG Shaheed Express	**Jun-23**	23-10-2023	**RLRA-99/23**
9	2023-24	0	0	0	14650/14649 ASR-JYG Saryu Yamuna Express	**Jun-23**	24-10-2023	**RLRA-99/23**
10	2023-24	2	1	1	12428/12427 ANVT-REWA Superfast Express	**Aug-23**	28-12-2023	**RLRA-134/23**
11	2023-24	4	1	1	14006/14005 ANVT-SMI Lichchivi Express	**Aug-23**	28-12-2023	**RLRA-134/23**
12	2023-24	2	**2**	**1**	14008/14007 ANVT-RXL Sadbhawna Express	**Aug-23**	28-12-2023	**RLRA-134/23**
13	2023-24	0	0	0	14016/14015 ANVT-RXL Sadbhawna Express	**Aug-23**	29-12-2023	**RLRA-134/23**
14	2023-24	1	**2**	**1**	14014/14013 ANVT-SLN Sadbhawna Express	**Aug-23**	30-12-2023	**RLRA-134/23**
15	2023-24	0	0	0	14018/14017 ANVT-RXL Sadbhawna Express	**Aug-23**	03-01-2024	**RLRA-134/23**
	TOTAL	**23**	**15**	**10**				

LIST OF NR TRAINS RUNNING WITH LWACCNE COACH DURING 2023-24									ANNEXTURE - F
S. No.	**Train No.**	**From**	**To**	**No. of Trains**	**No. of Rakes**	**Total No. LWACCNE Attached**	**Attached from**	**Remarks**	**RLRA No.**
1	12445/12446 NDLS-SVDK Uttar Sampark Kranti Express	NDLS	SVDK	1	**2**	8	12-09-2023	Standardization	69-23
2	14038/37 NDLS-SCL Poorvottar sampark Kranti Express	NDLS	SCL	1	**2**	8	14-09-2023	Standardization	69-23
3	22450/49 NDLS-GHY Poorvottar sampark Kranti Express	NDLS	GHY	1	**0**	0	20-09-2023	Standardization	69-23
4	12411/12 CDG-ASR Intercity Express	CDG	ASR	1	**2**	4	03-10-2023	Augmentation	153-23
5	14505/14506 ASR-NLDM Express	ASR	NLDM	1	**0**	0	04-10-2023	linked with 12411/12 & convert in LHB	153-23
6	14650/49 ASR-JYG Saryu Yamuna Express	ASR	JYG	1	**4**	40	23-10-2023	Conversion into LHB & Standardization	99-23
7	14674/73 ASR-JYG Shaheed Express	ASR	JYG	1	**0**	0	24-10-2023	DO'	99-23
8	20413/14 BSB-INDB Express(Bi-weekly)	BSB	INDB	1	**1**	4	01-02-2024	Replacement	169-23
9	20415/16 BSB-INDB Express(Weekly)	BSB	INDB	1	**0**	0	04-02-2024	Replacement	169-23
	Total			**9**	**11**	**64**			

INDUCTION OF LSLRD VICE LWLRRM during 2023-24											Annexure 'G'
S. No.	Divn.	PM Depot	Train No.	From	To	No. of Trains	No. of Rakes	LSLRD inducted by replacing LWLRRM	LSLRD used	LSLRD Attached from	RLRA No.
1	UMB	CDG	14505/14506 NLDM-ASR Express	NLDM	ASR	1	1	1	1	04-10-2023	153/23
2	DLI	DEE	12265/66 DEE-JAT Duronto Express	DEE	JAT	1	1	1	1	21-07-2023	RLRA-50/23
3	FZR	ASR	14674/73 ASR-JYG Shaheed Express	ASR	JYG	1	4	1	4	23-10-2023	RLRA-99/23
4	FZR	ASR	14650/49 ASR-JYG Saryu Yamuna Express	ASR	JYG	1	0	1	0	24-10-2023	RLRA-99/23
5	DLI	ANVT	14008/07 ANVT-RXL Sadbhavana Express	ANVT	RXL	1	2	1	2	28-12-2023	RLRA-134/23
6	DLI	ANVT	14016/15 ANVT-RXL Sadbhavana Express	ANVT	RXL	1	0	1	0	29-12-2023	RLRA-134/23
7	DLI	ANVT	14014/13 ANVT-SLN Sadbhvana Express	ANVT	SLN	1	1	1	1	30-12-2023	RLRA-134/23
8	DLI	ANVT	14018/17 ANVT-RXL Sadbhavana Express	ANVT	RXL	1	0	1	0	03-01-2024	RLRA-134/23
9	UMB	CDG	22452/51 CDG-BDTS Superfast Express	CDG	BDTS	1	1	1	1	14-02-2024	RLRA-25/24
						9	**10**		**10**		

3.2.3 Performance of Operating Department During the year

3.2.3(i) OPERATIONS (FREIGHT)

Some of the **Highlights during the year 2023-24** and 2022-23 are given below:-

- **Revenue Loading**

  Northern Railway has during the year 2023-24 achieved an Originating Revenue Loading was **53.58** Million Tonnes as against **65.03** Million Tonnes during the year 2022-23 registering a decrease of 17.60%.

- **Through put**

  During the year 2023-24, through put was **21308** wagons per day as against **21164** wagon par day during the year 2022-23 registering an improvement of **0.68%**

- **Diesel loco utilization:**

  During the year 2023-24, Diesel loco utilization was 282.90 kms. as compared to 292.05 kms. during the year 2022-23 registering a decrease of 3.13%

- **Electric loco utilization:**

  During the year 2023-24, Electric loco utilization was 352.05 kms. as compared to 378.22kms. during the year 2022-23 registering a decrease of 6.92 %.

- **NTKM per wagon day:**

  During the year 2023-24 NTKM per wagon day was 8889.22 wagons per day as compared to 9544.25 wagons per day during the year 2022-23 registering a decrease of 6.86%.

- **Wagon Kms. Per wagon day:**

  During the year 2023-24, wagon kms per wagon day was 237.55 wagon per day as compared to 254.37 wagons per day during the year 2022-23, registering decrease of 6.61%.

- **Piecemeal Loading:**

  During the year 2023-24, 37707 wagons piecemeal loading was done as against 8897 loading during the year 2022-23 registering an improvement of 324%.

Yearly Performance of Operating Department (Freight)

S. No.	ITEMS		TARGET 2023-24	YEARS					BEST EVER	
				2019-20	2020-21	2021-22	2022-23	2023-24	FIGURE	YEAR
1	Total Loading (Wagon/day)	BG		3115	3261	3812	3647	3285	3812	2021-22
2	Originating Loading (Wagon/day)	BG		3115	3261	3812	3647	3285	3812	2021-22
3	Revenue Loading (Wagon/day) As per ST-7A	BG	--	3253	3531	4054	3905	3542	4054	2021-22
4	Revenue Loading (m.t.)	BG	54.27	50.14	59.08	67.88	65.03	53.58	67.88	2021-22
5	Total Receipts (Wagon/day)	BG		7516	7560	9214	10587	10650	10650	2023-24
6	Total Made over (Wagon/day)	BG		7518	7555	9216	10577	10658	10658	2023-24
7	SFG Loading (Wagon/day)	BG		806	1275	1412	1310	747	1412	2021-22
8	PFG Loading (Wagon/day)	BG		21	27	134	37	25	134	2021-22
9	Fertilizer Loading (Wagon/day)	BG		343	329	315	344	340	344	2022-23
10	Rly. Wagon Holding ((Wagons/day)	BG		16839	19326	19177	19825	19025	16839	2019-20
11	Wagon Turn Round (in days)	BG	1.90	2.35	2.79	2.23	2.06	2.04	2.04	2023-24
12	BOXN Loading(Rakes/day)	BG		0.67	0.33	0.36	0.75	0.55	0.75	2022-23
13	BOXN Holding (Rakes/day)	BG		75.99	92.24	93.49	111.10	95.89	75.99	2019-20
14	BOXN Turn Round (in days)	BG		1.85	2.99	1.89	1.73	1.54	1.54	2023-24
15	Jumbo Loading(Rakes/day)	BG		31.40	42.10	47.08	43.53	31.69	47.08	2021-22
16	Jumbo Holding (Rakes/day)	BG		152.18	166.31	169.41	162.40	136.29	136.29	2023-24
17	Jumbo Turn Round (in days)	BG		2.51	2.22	2.06	2.03	1.93	1.93	2023-24

18	Engine Utilization DSL. Elec.	BG	307	367.38	364.02	379.36	292.05	282.90	379.36	2021-22
		BG	412	366.52	425.29	441.34	378.22	352.05	441.34	2021-22
19	NTKM / Wagon day	BG	10180	6788	6434.67	8398.86	9544.25	8889.22	9544.25	2022-23
20	Wagon Km./ Wagon day	BG	273	188.05	180.52	232.67	254.37	237.55	254.37	2022-23

3.2.3(ii) FREIGHT OPERATIONS

- **Movement of important commodities**

The originating loading of important commodities during the year 2023-24 as compared to the previous year is as under: -

S.No.	Commodity	Average number of wagons loaded per day (BG)	
		2022-23	**2023-24**
1	Food grains (Sponsored)	1310	747
2	Food grains (Public)	37	25
3	Sugar & Jagree	49	18
4	Cement	127	148
5	POL	223	261
6	Fertilizer	344	340
7	Container	1251	1414
7	Other Commodities	306	332
8	Total Loading (Originating)	3647	3285

- **Grand Total of wagon balance at 0/- Hrs of Northern Railway**

BG Wagon holding (Rly.+ Pvt.) during the year 2022-23 was 23933 as against 23029 in 2023-24.

- **Interchange of Wagons**

  The interchange of trains from the adjoining railways was kept free from any restrictions and the trains were accepted freely. The details of average receipt and dispatches are given below:-

S.No.	Items	No. of wagons / day	
		2022-23	2023-24
1	Total Receipt	10587	10650
	Total Dispatch	10577	10658
2	Receipt from ECR	1939	1648
	Dispatch to ECR	2022	1820
3	Receipt from NER	2134	1975
	Dispatch to NER	1954	1975
4	Receipt from NCR	4129	4295
	Dispatch to NCR	4159	3950
5	Receipt from NWR	2385	2321
	Dispatch to NWR	2442	2244
6	Receipt from DFCR	0	411
	Dispatch to DFCR	0	669
7	Receipt from Pakistan Rly. (Attari)	0	0
	Dispatch to Pakistan Rly. (Attari)	0	0

- **Railway wise Interchange Position during 2023-24 as compared to 2022-23 is given below:-**

Interchange Points	No. of wagons per day			
	Received		Dispatches	
	2022-23	2023-24	2022-23	2023-24
Interchange with E.C.Rly.				
Mughalsarai/DeenDayal Upadhyay (DDU)	1939	1648	2022	1820
Total	1939	1648	2022	1820
Interchange with N.C.Rly.				
Ghaziabad + Chipayana Buzurg	921	947	1042	837
Palwal	1606	1467	1702	1571
Kanpur Central	861	872	758	776

Allahabad/Prayagraj (PRYJ)	211	228	87	101
Jeonathpur	111	108	99	130
Khurja	305	503	391	388
Harduaganj	114	171	81	146
Total	4129	4295	4159	3950
Interchange with N.E.Rly.				
Shahganj	50	59	44	61
Jaunpur	89	117	94	101
Varanasi	12	12	113	132
Barabanki	714	622	488	433
Ayodhya	183	130	139	143
Rampur	86	115	86	111
Moradabad / kathghar	40	43	53	59
Sitapur	689	611	630	475
Bareilly	60	67	35	35
Ramganga	67	62	116	239
Badshah Nagar	0	0	0	0
Lucknow NE	0	0	0	0
Malhour	77	90	28	8
Manak Nagar	33	22	93	126
Shahjahan pur	34	25	34	25
Total	2134	1975	1954	1975
Interchange with N.W.Rly.				
Dobhbahali(DBHL)	381	740	373	678
Rohtak	346	0	360	0
Katar Singh wala	366	414	426	467
Rewari	1027	878	847	644
Bhatinda	125	116	92	116
Hissar	44	77	169	163
Sat Road	94	79	174	161
Sri Ganga Nagar	3	3	1	0
Total	2385	2321	2442	2244
Interchange with DFCR				
Asaoti	0	232	0	308
Khatauli	0	136	0	301
Kalanour	0	1	0	4
Pilkhani	0	18	0	22
Sarai Banjara	0	3	0	11
Sirhind	0	1	0	1
Shambhu	0	3	0	9
Sahnewal	0	17	0	11
Total		411		667

Interchange with Pak Rly	0		0	
Atari	0	0	0	0

- **Wagon Turn Round**

  During the year 2023-2024 wagon turn round was 2.04 days as compared to 2.06 days in 2022-23.

  The **month wise details of wagon turn round for BG system during 2023-2024** as compared to 2022-2023 is given below :-

Wagon Turn Round (in days)

Month	2022-23	2023-24
April	1.96	2.16
May	1.92	2.07
June	2.00	2.21
July	2.06	2.00
Aug.	2.00	2.04
Sept.	2.08	2.07
Oct.	2.27	2.07
Nov.	2.16	2.02
Dec.	2.07	1.93
Jan.	2.03	2.03
Feb.	2.07	2.02
Mar.	2.06	1.89
Avg.	2.06	2.04

Parcel Traffic offered for Transportation in **Parcel Vans over Northern Railway** is generally for the commodities like General Goods, Hosiery Goods, Live Stock, Medicine, Govt. Stores, Bank Treasure, Perishable, SPG Vehicles. Parcel Vans provided for parcel traffic either on lease basis or by way of registration of indent in piecemeal. In emergency VPs are also utilized to carry relief material, for people affected by natural calamity.

Lease VPs are cleared by nominated Mail/Express trains and piece meal VPs are dispatched by suitable Mail/Express Trains.

During 2023-24 PCET ply between two stations on round trip basis as lease Cargo Parcel Express Trains 243. VP rakes also supplied against VP rake indents and 34 indented VP Rake loaded.

During the year 2023-24, 9434 inward leased VPs handled and 9454 leased VPs loaded by Northern Railway. Besides leased VPs 3529 piecemeal VPs have been loaded by Northern Railway during the year 2023-24 while 1756 inward piecemeal VPs handled.

In addition to above, 346 VVN Rakes inward have been decanted and 347 VVN Empty Rakes dispatched during the year 2023-24.

Summarized detail of Parcel handling in VP's for 2023-24 is as under:-

S. NO.	DISCRIPTION	APRIL-2023 TO MARCH-2024											
		DIVISIONS											
		DLI		LKO		UMB		FZR		MB		TOTAL	
		I/W	O/W	I/W	O/W	I/W	O/W	I/W	O/W	I/W	O/W	I/W	O/W
1	LEASED VPs	7834	7854	NIL	NIL	NIL	NIL	1272	1272	328	328	9434	9454
2	P/MEAL VPs	1563	3198	69	42	93	28	09	32	22	229	1756	3529
3	PCET RAKES	NIL	202	NIL	NIL	09	01	41	40	NIL	NIL	50	243
4	VP RAKES PIECEMEAL/NON LEASED	NIL	34	NIL	NIL	NIL	NIL	07	00	NIL	NIL	07	34
5	RMTs/VVNs	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	0	0
6	VVN RAKES	346	347	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	346	347

3.2.3.(iv) FUEL CONSUMPTION

Statement showing SFC Rates, Fuel Consumption, GTKM/EKMs earned service, gauge and traction-wise during the year 2023-24.

ANNUAL NARRATIVE REPORT FOR THE YEAR 2023-24 (FUEL ECONOMY)

Service		Specific Fuel Consumption	Specific Fuel Consumption	Variation 1-2	G.T.K.M in million/EKMs in thousands		HSD Oil Consumed in KLs		Theoretical Saving / Excess (IN KLs)	%age Excess/ Saving
		2023-24	2022-23		2023-24	2022-23	2023-24	2022-23		
		1	2	3	4	5	6	7	8	9
Liters / 1000 GTKM Pass	DSL Elect	3.23	3.21	+0.02	29472.44	31566.49	95324.92	101196.45	+589.45	
Goods	DSL Elect	1.90	1.81	+0.09	26444.10	24678.52	50371.71	44740.45	+2379.97	
DMU	PASS	5.42	5.37	+0.05	2879.84	2547.20	15597.92	13667.72	+143.99	
Rail/Bus	RAIL/ BUS	---	---	---	---	---	--	--	---	
EKM /SHTG	DSL Elect	2.06	2.04	+0.02	4872.78	4704.50	10057.86	9605.91	+97.46	
EKM /SHTG	DSL/ HYD	0	0	0	0	0	0	0	0	
SHTG DMU	DMU	2.12	2.11	+0.01	719.78	744.42	1527.64	1573.00	+7.20	
Deptt	DSL/. ELECT	6.97	8.57	-1.60	5.42	1.00	37.75	7.70	-8.67	
Deptt	DSL/ HYD	—	—	---	-	-	---	---	---	
Deptt	DMU	1.91	1.59	+0.32	94.64	88.68	180.70	141.34	+30.28	
	LOMS							0	0	
	TOTAL						**173098.50**	**170932.57**	**+3239.68**	**+1.87**
NG										
PASS	PASS	20.33	18.52	+1.81	51.42	83.43	1045.67	1545.50	+93.07	
MIXED	MIXED	0.00	26.05	+26.05	0.00	5.30	0.00	138.07	00.00	
SHTG.	SHTG.	1.12	1.14	-0.02	157.42	202.84	176.01	231.67	-3.15	
DEPTT	DEPTT	2.51	1.91	+0.60	40.03	18.55	100.62	35.47	+24.02	
RAIL CAR	R/CAR						6.61	21.12		
LOMs	LOMs						27.02	31.48		
TOTAL	TOTAL						1355.93	2003.31	+113.94	+8.40
BG+NG	BG+NG						**174454.43**	**172935.88**	**+3353.62**	**+1.92**

3.2.3.1 FUEL ECONOMY

As regards performance of Northern Railway during the year 2023-24, there has been Excess fuel consumption by +1.92 % on Diesel traction as compared to the corresponding period of last year.

To achieve further economy in the consumption of HSD oil, the following steps are being taken: -

1. Shutting down of diesel locos where detention is likely to exceed 30 minutes.
2. Intensive checks are conducted against leakage of HSD oil from RCDs.
3. Monitoring of drivers to make use of the dynamic brakes and coasting period.
4. Monitoring of fuel consumption on the basis of fixed trip rations.
5. Checks on fitment of fuel oil strainers and caps on locomotive tanks to avoid the possibility of pilferage of oil online and dripping out oil by splash.
6. Super checks of outgoing locos at the level of officers and supervisors of the shed for proper maintenance practice

विद्युत

ELECTRICAL

General Manager's Annual Narrative Report 2023-24

महाप्रबंधक की वार्षिक वर्णनात्मक रिपोर्ट 2023-24

Chapter-IV

4.1 About the Department

Electrical Department plays an important role in the smooth & safe train operation by maintaining Electrical Locomotives, Diesel Motive Power &Over Head Equipment. It also maintains General Power Supplies at all stations, service buildings and railway quarters. Electrical department of Northern Railway is responsible for maintaining 1153 Electric locos, 907 diesel locos, 14592 km of OHE (TKM), General Power Supply installations and operational infrastructure.

4.2 Infrastructure

4.2.1 Shed wise Electric loco holding as on 31.03.2024 is under:

Shed	Divn	Holding (2022-23)	Holding(2023-24)								% Variation w.r.t. last year
			P-1	P-4	P-5	P-7	G-7	G-9	G-12B	TOTAL	
ELS/GZB (200)	**DLI**	302			137	158		8		**303**	**(+)0.3**
DLS/TKD		111		42				90		**132**	**(+)18.9**
ELS/LDH (175)	**FZR**	263				29		230		**259**	**(-)1.5**
DLS/LDH		73								**0**	**(-)100**
ELS/KJGY (100)	**UMB**	130					21	124		**145**	**(+)11.5**
MELS/SRE		249							249	**249**	**-**
DLS/AMV	**LKO**	34	17				48			**65**	**(+)91.2**
Total		**965**	**17**	**42**	**137**	**187**	**69**	**444**	**249**	**1153**	**(+)19.5**

4.2.2 Shed wise Diesel loco holding as on 31.03.2024 is under:

Shed	WDP1	WDP3A	WDG3A	WDM3A	WDM3D	WDG4	WDP4	WDG4D	WDP4D	WDP4B	ZDM3	ZDM4A	Rail Car	WDS6	WDS4D	WDG4G	WDG6G	Total
TKD	07	16	10	24	0	27	10	22	29	20	0	0	0	27	0	0	0	**192**
LDH	0	0	48	66	0	12	0	14	73	4	0	0	0	8	0	0	0	**225**
AMV	0	0	25	16	72	38	0	20	27	1	0	0	0	5	0	0	0	**204**
KLK	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	**16**
PTK	0	0	0	0	0	0	0	0	0	0	10	10	0	0	0	0	0	**20**
	7	**16**	**83**	**106**	**72**	**77**	**10**	**56**	**129**	**25**	**26**	**10**	**0**	**40**	**0**	**0**	**0**	**657**

Total		Main Line Broad Gauge Loco- 831									NG- 36			Shunting- 40				
Roza Loco Maint. Depot	-	-	-	-	-	-		-	-	-	-	-	-	-	-	225	25	**250**
Grand Total																		**907**

4.2.3 TRD

SN	Item	2022-23	2023-24						% Variation
			DLI	FZR	LKO	MB	UMB	Total	
1	Electrified RKM	**6270**	1451	1707	1473	1409	1048	**7077**	12.8%
2	Electrified TKM	**13043**	3552	2792	3299	2778	2160	**14592**	11.8%
3	TSS/(Nos.)	**71**	19	10	18	17	9	**73**	2.8%
4	Remote Control Centres (Nos.)	**5**	1	1	1	1	1	**5**	0.0%
5	OHE Depots (Nos.)	**71**	17	12	17	19	10	**75**	5.6%
6	PSI Depots (Nos.)	**7**	7	-	-	-	-	**7**	0.0%
7	8 Wheeler Tower Wagons (Nos.)	**65**	21	14	14	14	10	**73**	12.3%
8	4 Wheeler Tower Wagons (Nos.)	**38**	8	6	7	8	5	**34**	-10.5%

4.2.4 General Power Supply

S.No.	Assets	2022-23	2023-24
1	Electrified stations/halts	956	957
2	Electrified quarters	60411	59610
3	Sub stations	337	363
4	Transformers	612	734
5	Generating Assets	405	407
6	Total Capacity of DG sets (MVA)	69.64	69.89
7	AC Units:		
	Window Type	2798	2798
	Split Type	2383	2383
	Package and Central Type	43	40
8	Pumps	1296	1335
9	Lifts	179	197
10	Escalators	124	151
11	Solar street Lights	522	522
12	Solar Panels at LC Gates	722	564
13	Solar Geysers	430	430
14	Capacity of Solar Power Panels/Plants installed (in kWp)	24066	25226

4.2.5 Operational Infrastructure:

i. Crew Booking Lobbies Division Wise:

Division	Crew Booking Lobbies
DLI – 13	DLI, DEE, SSB, JHI, JHL, MTC, ROK, GZB, ANVT, NZM, TKD, PWL, PNP
UMB – 7	UMB, SRE, BTI, DUI, CDG, KLK, NLDM
MB – 11	MB, BE, RAC, LRJ, HW, DDN, BLM,HPU, CH, NBD, YNRK
LKO – 7	AYC, BSB, RBL, PBH, SLN, LKO/Chg, LKO/Yard
FZR –9	LDH, ASR, JUC, PTK, BJPL, JAT, FZR, SVDK, BDGM
Total	**47**

ii. Running Staff/Supervisor cadre control under Traction Department as on 31.03.2024:

Division	Running Staff & Supervisor Sanctioned Strength
DLI	4592
UMB	2169
MB	2826
LKO	2479
FZR	1852
Total	13918

iii. Running rooms under Traction Department as on 31.03.2024:

Division	Total nos. of Running Rooms	Running Rooms
DLI	14	DLI, DEE, SSB, JHL, JHI, MTC, SMQL, ROK, GZB, ANVT, NZM,TKD, PNP, PWL
UMB	8	SRE, BTI, UMB, SML, DUI, RTP, NLDM, CDG
MB	10	MB, BE, RAC-TM, RAC-LP, CH, NBD, HW, DDN, BLM, HPU
LKO	12	LKO-Chg., LKO-Yd, AYC, BSB, PBH, SLN, JNU, PLP, TD, PYGS, SHG, UCR
FZR	9	LDH, ASR, JUC, PTK, BJPL, JAT, UHP, SVDK, FZR
Total	**53**	

iv. Railway Consumer Depots:

Division	Northern Railway Consumer Depots			
	Daily Average issue in (KL)			Remarks
	RCD	Cap. in (KL)	FY 2023-24	
DLI	NDLS	1010	33	
	TKD	800	32	
	SSB	660	0	
	DLI	440	53	
	NZM	90	13	
	ROK	400	65	
	ANVT	145	14	
	DEE	400	26	
FZR	LDH Shed	730	12	
	LDH Lobby	380	29	
	JUC	210	18	
	ASR	350	12	
	PTK	210	9	
	JAT	490	16	
	BDGM	540	10	
	BJPL	20	1	
	SVDK	140	4	
UMB	BTI	1240	113	
	UMB	520	15	
	KLK	140	3	
	CDG	45	4	
	SRE DN	190	13	
LKO	CB / LKO	1905	42	
	AMV	470	7	
MB	MB	1446	45	
	RAC	1640	33	
Total		**14611**	**621**	

4.3 Technical Achievements:

4.3.1 Achievements of Electric Loco wing:

i. Provision of Hotel load converter:

Northern Railway having 324 three phase electric locomotive out of these 20 WAP-5 locos have been fitted Hotel load converter by Electric Loco Shed, Ghaziabad during this financial year and a total 56 WAP-5 loco have been fitted till now. Hence, a total of 247 locomotives have been equipped with HOG system till now. HOG system has high energy efficiency as compared to EOG besides reducing noise and air pollution and saving of HSD oil.

ii. Commissioning of New locos:

102 new locomotives, (07 WAP-7 & 95 WAG-9-HC) have been commissioned successfully at ELS/GZB, ELS/LDH, ELS/SRE & DLS/TKD during this financial year raising the overall holding of electric locos on NR to 1153.

iii. Inauguration of 1st Amrit Bharat Train:

On 30.12.2023, Hon'ble Prime Minister of India Shri Narendra Modi inaugurated the 1st Amrit Bharat train No 05558 between Ayodhya to Dharbhanga with Push-Pull technology of ELS/GZB shed based WAP-5 loco No. 35029 & 35030.

iv. Commissioning of CDAC based VCU card test bench:

VCU card test bench has been setup by ELS/GZB. This will improve the reliability of VCU card by CDAC.

v. Installation of MEDHA HOG card test bench:

Medha HOG card test bench has been setup by ELS/GZB for testing of Medha HOG card. This will help to arrest the online HOG failures and improve the reliability of locos on line.

vi. Modification of RS valve/Emergency cock:

The modification of Relocation of RS valve/Emergency Cock for ease of operation by Assistant Loco Pilot (ALP) in 3-Phase Electric Locomotives was started by N. Rly in all sheds as per RDSO's modification sheet no. RDSO/2023/EL/MS/0491 Rev. '0' dtd 27.03.23. During this year, the modification has been completed in all 632 locomotives.

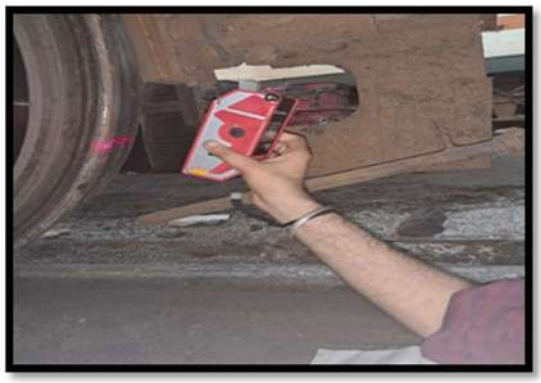
Relocation of RS Valve

vii. Productivity enhancement at ELS/SRE with commissioning of CNC under floor lathe machine for Electric loco wheel reprofiling:

New CNC under floor wheel lathe was sanctioned in M&P at the Railway Board level during 2019-20. This machine has been commisioned during this year. This will significantly increase the locomotive outage.

viii. Contactless wheel profile measurement device:-

Electric Loco Shed, Ghaziabad has commissioned contactless wheel profile measurement system for accurate wheel profile measurement.



ix. Commissioning of Motorized Spheri Bloc changing Machine:

Electric Loco Shed, Ghaziabad has commissioned Motorized spheri block changing machine to save time and man power.

x. Push Pull Conversion for Amrit Bharat Trains:

During this year, Electric Loco Shed/Ghaziabad has successfully converted 04 (02 Nos of WAP-5 & 02 Nos of WAP-7) pairs of Push-Pull locomotives for working of Amrit Bharat Trains.

xi. Installation of HOG Testing Plant with Water Load and DBR by ELS/GZB& LDH:

- Static DBR load (Resistive load of 180 Amp)
- Variable water load (Resistive load of 0 to 170 Amp)
- HOG load testing.
- To be used as a ready water reservoir to quench fire / smoke during emergencies.

This will improve the reliability of HOG loco on line.

xii. Provision of Remote Monitoring/Diagnostic System (RDS):

RDS systems allow maintenance personnel to detect and diagnose problems with equipment and systems from a remote location without having to be physically present. This can help reduce downtime, improve efficiency, and reduce costs associated with maintenance operations.

During this year, Electric Loco Shed, Ludhiana & Ghaziabad have installed Remote Diagnostic System in 44 WAP-5/7 locos.

xiii. Installation and Commissioning of KAVACH:

Kavach helps the loco pilot in train running within specified speed limits by automatic application of brakes in case the Loco Pilot fails to do so and also helps the train safely run during inclement weather.

KAVACH installation work is going on at ELS/GZB by M/s Medha for target of 106 WAP-5 locos. During the year, KAVACH has been installed in 37 WAP-5 locos.

xiv. Provision of High Reach Pantograph in Electric Locomotives:

Provision of HRPs in all Electric locomotives as per Railway Board instructions is under progress. During the year a total of 121 locos were equipped with HRP and as on date total of 570 locos have been equipped with HRP.

xv. Provision of live model of RS valve at all Lobbies over NR:

To familiarize the ALPs with the use of RS valve, in case of LP does not respond/ control the speed of train as per aspect of the signal, a live model of RS valve has been installed at all lobbies over NR during this year.

Intensive counselling of LPs/ALPs is being done by CLIs to avoid SPAD cases. The ALPs are being counseled not to hesitate in use of RS valve. The Practical training to use RS valve is being given to ALPs on the above model.

xvi. Fitment of pneumatic panel for the Ist time in 3 phase locos at ELS/SRE:

ELS/SRE has changed the Pneumatic Panel for the first time in the 32229/WAG-9HC/SRE locomotive without any assistance. This has given the staff the confidence to handle vital components of locomotives. This locomotive has received a new FTRTIL make panel.

xvii. Commissioning of HOG load test bench:

During this month, ELS/LDH has commissioned & installed a test bench for full load testing of HOG in WAP-7 locos during scheduled maintenance.

xviii. Provision of waterless urinal:

ELS/GZB has provided a ‘Waterless urinal’ in loco no 38099 WAG-9 for Loco Pilots. Earlier, the Loco Pilots had to face a lot of problems during long duty hours. It is located in the machine room behind CAB1.

The key features of this urinal include UV based sanitization, built in proximity based sanitizer dispenser, LED light and sensor based air purifier.

xix. Provision of 'Vande Bharat Exp seats' in Cab1and Volvo seat in Cab2 for Loco Pilots:

ELS/GZB has provided 'Vande Bharat Exp. seats' in Cab-1 and 'Volvo seat" in Cab-2 in 38099 WAG-9HC with features like adjustment in height and rear / front sliding for Loco Pilots, low optimization of hardness of cushion (Reduction from 290 N to 250 N - 25% deformation) and fatigue free, more comfortable chair for Loco Pilots.

xx. Provision of foot plating seats:

ELS/GZB has provided two types of separate foldable seats in each cab of loco for foot plating officials so that the running staff can perform their duty conveniently. These seats are foldable, cushioned and provided behind the loco pilot seat.

4.3.2 Achievement of General Power Supply Branch

i. Light fittings:

3428 LED light fittings ranging from 14 watt to 400 watt and 23 nos. new 16/30 mtrs high mast towers over Northern Railway have been provided during the year.

ii. Fannage:

- 68 Nos. 65 watt ceiling fans in place of old 90 watt ceiling fans have been provided.
- 2010 Nos. 35 watt ceiling fans in place of old 90/60 watt ceiling fans have been provided.
- 38 nos. 600mm high speed Air circulator fans have been provided at Platforms at various Railway stations over Northern Railway to enhance the comfort of passengers.
- 36 nos. exhaust fans have been provided at service buildings over Northern Railway for the benefit of passengers and staff.

iii. Commissioning of new solar panels:

To improve the reliability of power supply, solar panels were commissioned during 2023-24, details of which are as follows:

Division/WS	Location	Capacity of Solar panel (Kwp)	Model
DLI	RCNK Sonipat	990	Under CAPEX
MB	New Control Building MB	70	Under CAPEX
LKO	Varanasi Railway Station	100	Under CAPEX

4.3.3 Diesel Loco Operation and Fuel Management

- **RCD:** Total Fuel Management (TFM) has been successfully implemented on 16.03.2024 at RCD/ BTI of UMB division.
- **Trains switched over from Diesel to Electric**: 41 pairs of trains were switched over from Diesel to Electric traction during 2023-2024 and a recurring saving of approx. Rs. 117.6 Crore per year is likely to accrue on account of saving of HSD oil.
- **Energy Regeneration on 3-phase Electric loco:** Energy regeneration of a value Rs.147.89 Crore approx. has been achieved during 2023-2024 by use of regenerative braking in 3-phase electric locos.
- **Rationalization of crew links:** Northern Railway had conducted rationalization of crew links. Due to this exercise, a saving of 27 crew sets was achieved during 2022-2023.

- **Running Rooms:**
  - **Subsidized Meal Scheme**: Subsidized meal facility has been provided in three additional running rooms during the financial year (HPU, CH & AYC). Now, subsidized meal scheme exists in 33 running rooms over NR.
  - **New Running Rooms**: New running rooms have been commissioned at AYC and UCR.
  - 475 new mattresses have been made available in all running rooms of LKO division.
- **Crew Lobbies:**
  - Working model of RS valve has been provided in all crew booking lobbies.
  - FSDs are being issued to all NR crew. Instructions have been issued to deploy FSDs throughout the year.
  - Lobbies at CH, YNRK & NBD have been taken over from operating department.
  - Signal call out during "Sign-ON" has been made mandatory. Signal posters have been pasted at all lobbies.
  - Nine LED TVs along with computer have been provided in counselling rooms at crew lobbies over FZR division.
  - LED TVs for displaying caution order and safety slogans have been provided in all crew lobbies over FZR division
  - 30 nos. compatible CMS Breath Analyzers have been provided in all crew lobbies over FZR division.

- **Safety seminars:** 638 nos safety seminars were organized from Apr'2023 to Mar'2024. During these seminars, 9911 nos. running staff were counselled on safe train operation.
- **Family Interactions:** 707 interactions sessions with family members of running staff were organized from Apr'2023 to Mar'2024 at crew lobbies of all divisions. During these sessions, 5641 family members were counseled to motivate to maintain a good environment at Home and to provide proper rest to LP/ALP for safe train operation.
- **Vacancy position and promotions:** Northern Railway inducted 78 ALPs for line duty during 2023-24 and 1254 Running staff got promoted to higher grade including 327 Sr.ALP/LPS to LPG.
- **Trip Inspection**s: During 2023-24, trip inspections were carried out of 29707 locomotives (15720 NR & 13987 F. Rlys.). Out of these, 27573 locomotives were of Mail/Express (14932 NR & 12641 F. Rlys.) and 2134 locomotives (788 NR and 1346 F. Rlys) were of freight services.

4.4 Operational Achievements

4.4.1 Loco operational achievements:

- **Introduction of new trains:** During this year, a new train No. 14089/90 (Anand Vihar Terminal – Kotdwar Exp) was introduced between ANVT- KTW on 28.10.2023. This train is being hauled by Ghaziabad Shed based electric locos.

- **Improvement in Goods outage of N. Rly:** During this year, goods outage of 705.2 was achieved by electric loco sheds against Railway Board's target of 693.2, which is 1.7 % more than the Rly. Board's target.
- **POH schedule of electric locos at CB workshop:** Electric Loco Workshop, Charbagh has turned out 30 locos (26 POH & 04 RC).In addition 04 locos were turned out after carrying out TOH schedule during this year against the target of 30 (25+ 05RC) locos.

4.4.2 Power Supply Operational Achievements

- **Electrification of stations/Halts:** Rizwan halt of Firozpur division has been electrified during 2023-24 for the benefit of passengers.

- **Provision of DG sets:** The Following New DG Sets were commissioned for emergency power supply during 2022-23.

Division	Location	Capacity
MB	Bareilly Railway station	250 KVA
MB	Washing line at Bareilly	160 KVA
LKO	Ayodhya Cantt Railway station	125 KVA
MB	Bijnor Railway station	62.5 KVA
MB	Dhampur Railway station	62.5 KVA

- **Provision of LED base station name boards and Glow Sign Boards:** 35 Nos. LED type energy efficient station name boards and glow sign boards have been provided by divisions at Railway stations for Energy Conservation and for the benefit of passengers (DLI-05, FZR-05, LKO-19 and UMB-06).

- **Provision of standard signages:** 11Nos. LED type standard signage boards have been provided by divisions at Railway stations for Energy Conservation and for proper guidance to passengers (DLI-2, FZR-5 & UMB-04)

- **Improvement of illumination at different areas at stations like platforms, concourse, circulating areas, waiting halls and FOBs:** Illumination levels at different areas like platforms, concourse, circulating areas, waiting halls and FOBs at 40 Railway stations over Northern Railway have been improved by providing extra fittings and by replacing existing fittings (DLI-13,FZR-02,UMB-8 & MB-17).
- **Electrification of Newly Constructed Service buildings:** Following newly constructed service building have been electrified over Northern Railway in 2023-24.

S N	Division	Name of Service Building.
1	DLI	Lobby's canteen at Tugalkabad Railway station.
2	DLI	S&T office at the DRM office Delhi Main.
3	DLI	Elect. Shed at New Delhi, ART room at DLI main Railway station and President's Saloon office in NDCR building at New Delhi.
4	DLI	Newly constructed OFC room, PWI office has been done at Nilokheri.
5	DLI	Newly constructed CTI office at Kurukshetra station, Union office and SSE/W office at Delhi Kishan Ganj.
6	LKO	Newly commissioned station buildings of Masondha.
7	LKO	Newly constructed shed at Shivpur.
8	LKO	Newly commissioned station buildings of Jageshwarganj Railway Stations.
9	LKO	Newly commissioned station buildings of Tulsinagar, Belwai and Ubarni.
10	LKO	Newly commissioned station building(EI) Jalalpur Dhai Railway Stations.
11	LKO	Newly constructed Dormitory-I& II, FOB and platform shed, Booking counter at Ayodhya Dham.
12	LKO	Health unit, platform shed-I, Booking counter and Additional counter at Ayodhya Cantt.
13	LKO	Railway Claim Tribunal (RCT) building at Varanasi.

- **Rewiring of service buildings:** Rewiring of following service buildings have been done over Northern Railway in 2023-24.

S N	Div.	Name of Service Building/Location
1	DLI	PF no.7/8 at Palwal Railway station.
2	DLI	Room no. 303, 309, 524, 522-A, 228 230 (MOBD & PS room), no.536/D, 429 & room no.430, 357, 110A, 105, 105A & 234, room no. 212 & 371, room no. 350, 351, 352, 355, 368, 269/5, 542 & 3rd floor corridor, room no. 361, 365, 366, 130, A-wing corridor on 3rd floor & C-wing corridor on 2nd floor at A-wing, room no. 353, 353A, 354, 362, 367, 368, 369, 370, 423-E & 257 3rd floor at A-wing, CRB room, room no. 514(AM/RE),

		153(AM/Tele.), 262-A, no. 201(AM budget), 501(AM-T&C), room no. 425, 359, 359A, 110A, 109, 348, 348A & 223 (MI chamber) of 313 (conference room) on the 3rd floor, room no. 425, 536/B & room no. 536/C at Rail Bhawan.
3	DLI	Gate no.02 on 1st, 2nd, 3rd, 4th & 5th floors at Railway Bhawan.
4	LKO	Store of SSE/LA/CB Lucknow.
5	DLI	Drawing section (Anx. II), RPF inspector office (Anx. II) and Dy. GM's chamber at Baroda house.
6	DLI	Dispensary at Gurgaon.
7	DLI	Room no.10/G (Anx. I) and room 411(Anx. II) at Baroda House.
8	DLI	Reception & committee hall in Karnail Singh Stadium, officer's club house at P.K road and 02 nos. rooms at back side of boxing hall at Karnail Singh Stadium.
9	LKO	Parcel office at LKO station, Driver room in officer rest house, OFC at Malhaur Railway station, female surgical ward at NRDH and sub way and shed in IRITM at Lucknow.
10	LKO	SM room at Lalganj station.
11	UMB	Rewiring of 03 nos. service buildings at Ambala Cantt and Nangal Dam.
12	DLI	SSE/Horticulture office at TH. Road & SP Marg ,SSE/PS/S.P Marg at S.P Marg, IOW office at JHI Railway station
13	MB	C&W office Nazibabad.
14	MB	Running Room Haridwar.
15	UMB	5 service buildings at Rail Vihar and Saharanpur of Ambala division.
16	DLI	SS chamber & TTE lobby, Rest house at Nangloi.
17	DLI	03 nos. rooms in Diesel lobby at Sadar Bazar Railway station.
18	LKO	Platform shed no.1 at Ayodhya Cantt.
19	UMB	Rewiring work of 5 service buildings at Rail Vihar, Sirhind, Ambala and Saharanpur.
20	DLI	05 nos. rooms in TA building, New Delhi.
21	DLI	Examination Hall at DRM office, New Delhi.
22	DLI	Wiring of the Electric Loco Trip Shed at New Delhi.
23	LKO	ATVM RPF office, RPF office at Ayodhya Cantt., Sadar Washing lines, RPF Malgodam and RPF office at Lucknow and Platform shed at

		Acharya Narendra Dev station.
24	DLI	Coolie hut at H. Nizamuddin Railway station.
25	DLI	166-URMU union office in P.K Road Railway colony of Delhi division.
26	DLI	Server room & drawing section at DRM office, New Delhi, Kitchen 'store room at Karnail Singh Stadium Paharganj, block no.311 Ghaziabad, ASTE office at Faridabad.
27	DLI	CDO office at HNZM Railway station and IOW office at DKZ Railway Station.
28	DLI	C&W office at Farrukh Nagar Railway Station.
29	DLI	Dy. TMC office at New Delhi.

4.4.3 TRD Operational Achievements:

- **Commissioning of newly electrified sections during 2023-24:**

Electrification over NR: Electrification work is going on at a rapid pace in NR under mission 100% electrification. A total of approx **494 RKM and 1055 TKM** has been electrified during the FY 2023-24. With this approx. **99.6% (7077 RKM) route kilometer** of Northern Railway has been electrified. **Complete existing route kilometers of Firozpur, Lucknow, Moradabad and Ambala Divisions have been 100% electrified and 96% existing route kilometers of Delhi Division have been 100% electrified. Balance 68RKM is planned for electrification by May'2024.**

The details of electrified sections during the year 2023-24 are as under:

i. Electrification of existing Route Kilometers:

SN	Date	Section	Division	RKM	TKM
1.	27.05.2023	Kotkapura - Firozpur	FZR	43.2	58.17
2.	10.10.2023	Abohar- Sri Ganganagar	UMB	51	55.38
3.	11.10.2023	Nawan Shahr-Rahon	FZR	30.3	6.96
4.	11.10.2023	Nawan Shahr-JaijonDoaba	FZR	6.5	31.30
5.	18.10.2023	Jallandhar- Sham Chaurasi	FZR	17.5	18.64
6.	22.12.2023	Lohian Khas- Firozpur Cantt.	FZR	66.4	92.14
7.	26.12.2023	Kotkapura- Fazilka	FZR	77	81.14

8.	01.02.2024	Abohar- Fazilka	FZR	41.2	45.06
9.	19.03.2024	Fazilka-Firozpur Cantt- Husainiwala	FZR	100	113.37
10.	20.03.2024	Sham Chaurasi- Hoshiarpur	FZR	20.2	25.01
Total				**453.31**	**527.17**

ii. Electrification of new lines:

SN	Date	Section	Division	RKM	TKM
1.	02.01.2024	Banihal-Khari New line	FZR	14.17	14.87
2.	02.01.2024	Khari- Sumber New line	FZR	13.71	14.68
3.	14.02.2024	Sumber- Dharam New Line	FZR	10.24	10.24
4.	14.02.2024	Dharam-Sangaldan New Line	FZR	9.812	13.13
Total				**47.93**	**52.91**

iii. Electrification of Doubling lines, sidings etc.:

SN	Date	Section	Divn	TKM
1.	10.04.23	Sohawal- Rudauli Doubling	LKO	33.77
2.	12.04.23	UP and DN loop line, Rasauiya	MB	2.336
3.	24.05.23	KFL siding, Bartara	MB	19.48
4.	26.05.23	Adani Agri Logistics Ltd siding Naulatha	DLI	2.5
5.	26.05.23	UP loop line, Chodiala	MB	1.184
6.	31.05.23	Anand Vihar Washing Line no.5	DLI	0.63
7.	01.06.23	3rd and 4th line, AnandVihar	DLI	6.557
8.	09.06.23	Sahnewal Yard, DFCC	FZR	2.5
9.	20.06.23	Washing line No. 18, 19 & 20 at Delhi Jn.	DLI	1
10.	28.06.23	Rasauli-Safdarganj Doubling	LKO	18.88
11.	04.07.23	Aigwan loop line	MB	1.2
12.	20.07.23	Mod. in existing IR UP line, Khatauli station	DLI	1.114
13.	24.07.23	ACTL siding, Sambha	FZR	1.062
14.	31.07.23	Line no. 15 & 16 and provision of New Saloon Siding Lines no. 13 & 14 at SVDK	FZR	3.25
15.	31.07.23	NCC New Washing Line Siding , Lucknow	LKO	0.76
16.	11.08.23	Ambuja Siding, Bathinda	UMB	3.09
17.	31.08.23	Adani Logistics Limited ICD siding , Patli	DLI	0.85
18.	31.08.23	J M Baxi Ports and Logistics Limited	DLI	1.2
19.	31.08.23	Sekha- Hadiaya Doubling	UMB	25.95
20.	01.09.23	Elect. in ASR yard	FZR	3.03
21.	04.09.23	Military Siding Line , SRX	FZR	0.58
22.	22.09.23	UP loop line, Chakrajmal	MB	1.176

23.	29.09.23	FCI siding, Dhamora	MB	2.29
24.	06.10.23	NFL, Bathinda	UMB	7.66
25.	13.10.23	Varanasi Yard re-modelling	LKO	40
26.	26.10.23	Jaunpur JN to Jaunpur City Chord line	LKO	2.81
27.	27.10.23	UP Loop Line, Matlabpur	MB	1.089
28.	31.10.23	Darshan Nagar - AyodhyaJn Doubling	LKO	9.447
29.	09.11.23	Adani Logistics Limited ICD siding, Patli	DLI	0.85
30.	30.11.23	Pathri Ballast Siding lines	MB	1.2
31.	07.12.23	Daunkala- Patiala- Nabha	UMB	39.4
32.	11.12.23	Rudauli- Patranga Doubling	LKO	15.83
33.	13.12.23	R&D engine escape line no. 1 & 2,Rajlu Garhi	DLI	2.472
34.	15.12.23	Shahganj-Tulsi Nagar Doubling	LKO	23.78
35.	28.12.23	Salarpur- Sohawal Doubling	LKO	21.94
36.	27.12.23	Line No 7 (Washing Line no 2) at SVDK	FZR	0.891
37.	27.12.23	IBL line no. 1 & 2, Tandom wheel lathe line, shunting line, Workshop shed line no. 1 & 2, Shakurbasti	DLI	3.82
38.	27.12.23	Washing line no. 5, Amritsar	FZR	0.556
39.	11.01.24	Ayodhya Jn- Ayodhya Cantt. Doubling	LKO	12.24
40.	11.01.24	Mullapur - Baddowal doubling	FZR	15.95
41.	11.01.24	Rasauli- Barabanki Doubling	LKO	7.266
42.	12.01.24	Barabanki Yard re-modelling	LKO	9.35
43.	12.01.24	Pit no 11 at Electric Loco Shed Ghaziabad	DLI	0.067
44.	18.01.24	Tulsi Nagar- Jaffarganj doubling	LKO	24.45
45.	19.01.24	Patranga- Safdarganj doubling	LKO	30.5
46.	09.02.24	SitapurYd- Sitapur in Rosa-Sitapur Doubling	MB	1.709
47.	27.02.24	Railway Goods Shed, Dhirpur	UMB	1.5
48.	09.03.24	Washing Line no. 21 at DLI, Washing Line no. 5 at DEE & Washing Line no. 1 at HNZM	DLI	2.25
49.	11.03.24	Lehra Muhabbat-Hadiaya Doubling	UMB	48.5
50.	12.03.24	New Washing Lines and shed at Varanasi	LKO	1.82
51.	13.03.24	Modification in existing lines Aghwanpur	MB	1.204
52.	21.03.24	Doubling Jafarganj-Akbarpur	LKO	7.35
53.	27.03.24	Sick Line KJGY, PQRS siding KRLI, Shunting Neck Yamuna nagar	UMB	5.33
	Total			**475.62**

- **EIG sanction accorded:** 97 Nos. EIG sanctions accorded for Energisation of OHE, TSS, SP, SSP, and ATs etc.in different sections of Northern Railway during the year 2023-24.
- **Commissioning of Traction Substation:** 05 Nos. Traction Substations have been commissioned in newly electrified sections over Northern Railway during

the year 2023-24. This has helped in full capacity utilization of Electrified sections for running trains on Electric Traction.

- **Mission Raftar Project: 2x25kV system on New Delhi-Mumbai & Delhi-Howrah Route:** Work of 2x25kV OHE modification work in connection with speed raising to 160 KMPH under Mission Raftaar Project on New Delhi – Palwal section on New Delhi-Mumbai route and New Delhi- Chipyana section & Kanpur- Lucknow section on Delhi-Howrah Route is going on at rapid pace. As per Rly. Bd's instructions, scheme of 2x25KV system modification in sub-urban area of Delhi was revised and 2x5kV system is being done on entire route from New Delhi to Palwal and New Delhi to Chipyana. The progress of work as on 31.03.2024 is summarized below:

  i. **New Delhi- Palwal section:** UP&DN main line OHE modification work has been **completed and made fit for 160KMPH.30%** OHE of 3rd/4th /UPGAL/DN/GAL has been modified & made fit for 160KMPH. 80% Feeder stringing on Faridabad – Palwal section & 10% on New Delhi – Faridabad section completed. PSI work (TSS/SP/SSP) on Faridabad – Palwal section is in progress, 80% civil work completed.

  ii. **New Delhi Chipyana section: 98%** OHE modification work on UP & DN main line has been **completed and made fit for 160 KMPH.** Tender for feeder work as per revised scheme has been awarded on 20.02.2024 and survey for layout planning is under progress. Tender for PSI work (TSS/SP/SSP) as per revised scheme has been awarded on 28.01.2024, Site survey completed. Design & Drawing is under preparation.

  iii. **Kanpur-Lucknow:** 87% foundation & 72% mast erection completed, 55% re-tensioning & 46% re-profiling work has been completed. However, works are delayed due to delay in finalization of curve realignment by Civil Engineering Dept. OHE load shifting & re-profiling at balance locations shall be done along with curve alignment by Engineering Department PSI work (TSS/SP/SSP) is in progress, 60% civil work completed.

4.5 Performance:

4.5.1 Loco Performance:

S.N0.	Item No	Target 2023-24	Performance					Best Ever	
			2019-20	2020-21	2021-22	2022-23	2023-24	Figure	Year
1.0	**Ineffective %age**								
(a)	Electric Loco(Stat)	8.4	7.6	6.1	6.0	6.6	5.3	5.3	2023-24
(b)	Electric Loco (Hourly)	15.2	15.1	10.8	10.8	10.1	8.4	8.4	2023-24
2.0	**Failure**								
	Electric Loco (NR+FR on NR)	-	768	773	1468	1547	1347	768	2019-20
3.0	**Engine Kms/failure (in lakhs)**	-	2.37	9.74	3.56	2.49	2.19	9.74	2020-21
4.0	**Loss of Punctuality** (Inc)								
	Electric Loco	-	238	53	221	425	476	53	2020-21
5.0	**SEC (Goods)**	-	5.78	7.60	9.36	8.58	5.51	5.51	2023-24

Assets Failures and Asset utilization:

S.No	Items	2022-23	2023.24	% age variation (+/-) Imp/Det.
1.0	**INEFECTIVE %:**			
(a)	Electric Locos(Stat) T-8.4	6.6	5.3	(+) 3.1
(b)	Electric Locos(Hourly)T=15.2	10.1	8.4	(+) 6.8
2.0	**FAILURE:**			
(a)	Electric loco(NR+FR on NR)	1547	1347	(+) 12.9
3.0	**Engine Kms/failure** (in lakhs)	2.49	2.19	(-) 12.0
4.0	**Loss of punctuality (Inc)**			
(a)	Electric Loco	425	476	(-) 12.0
5.0	**SEC (Goods)**	8.58	5.51	(+) 37.8

4.5.2 OHE Performance:

Asset Failure: Regular thrust is being given to improve reliability of TRD assets through implementation of reliability action plans. TRD asset failures over NR have reduced gradually compared to previous years. The performance of TRD in last 3 years is as under:

Parameters	MoU Target 2023-24	Tr.D Asset failures			% Reduction in Asset failure	
		2021-22	2022-23	2023-24	% Reduction w.r.t 2021-22	% Reduction w.r.t 2022-23
Tr.D Asset failures (Nos.)	5% Improvement over previous year	386	276	240	38%	13%
Tr. D asset failures per 1000TKM		32	20	17	47%	15%

Punctuality Performance: TRD asset failures over NR have reduced gradually compared to previous years. Punctuality loss cases per TKM due to TRD asset failures over NR has also slightly decreased. The punctuality performance comparison of last five years is as follows.

SN	Item	Performance				
		19-20	20-21	21-22	22-23	23-24
1	Internal failures (nos.)	48	9	31	50	**51**
2	Internal failure/100TKM	0.46	0.08	0.25	0.37	**0.35**
3	Overall failures (nos.)	83	16	56	69	**73**
4	Overall failures/100TKM	0.79	0.14	0.44	0.51	**0.50**

*2020-21: TRD failures decreased due to reduced nos. of train operation due to Covid-19 Lockdown.

4.5.3 General Power Supply:

S.N.	Item No.	Target for 23-24	Performance					Best Ever	
			19-20	20-21	21-22	22-23	23-24	Figure	Year
A	**Energy Conservation**								
1	Energy consumption (MU)	310.95	315.44	279.29	314.54	319.11	321.48	279.29	20-21
2	Unit Generation by Solar panels (MU)	31.51	10.75	12.74	17.77	16.95	21.14	21.14	23.-24
3	Provision of 5 Star rating equipment by venders at Railway station	46	-	46	52	34	33	52	21-22

	(Nos. of stations)								
4	Automation of pumps with GSM technique	330	117	10	96	239	55	239	22-23
5	Electronic energy Meters in Railway installations		-	-	18	200		200	22-23
6	Automatic switching Power Factor improvement (Nos.)	37	15	28	26	30	33	33	23-24
7	Solar water heater at Running Rooms & hospitals	-	01	02	0	0	0	02	21-22
8	Automatic Switching OFF/ON of Platforms Light for all Stations (70% & 30% Circuit)	30	-	-	05	28	04	28	22-23
9	Segregation of domestic loads.	06	8	02	05	03	06	08	19-20
10	Replacement of 90 watt ceiling fans by 60/35 watt ceiling fans	5000	1611	239	389	1190	2010	2010	23-24
11	Replacement of Overhead conductors with Underground cables. (Nos. of locations)	39	-	50	62	31	60	62	21-22
12	Use of solar street lights for (a) remote place at colonies (b) training institutes (c) Retiring rooms (d) officers rest house	-	-	-	-	24	0	24	22-23
13	Use of 5 star rating pump sets	165	131	110	156	196	152	196	22-23
14	Provision of LED based station name boards (Nos.)	41	37	48	63	32	35	63	21-22
B	**Passenger Amenities**								
1	Improvement in	-	58	14	23	31	40	58	19-20

	illumination at stations i.e. platforms, FOB, circulating area, waiting halls, booking office / enquiry office, concourse, Retiring Room, (No. of station)								
2	Provision of standard signages. (No. of station)	-	21	04	03	09	11	21	19-20
3	Improvement in lighting in circulating area by providing high mast tower	-	14	02	16	01	12	16	21-22
4	Provision of Mobile/Lap top charging point (Nos.)	-	32	44	34	14	67	67	23-24
5	Commissioning of Lifts (Nos.)	18	06	08	10	13	18	18	23-24
6	Commissioning of Escalators (Nos.)	30	04	13	07	08	27	27	23-24
7	Provision of additional water coolers at stations	-	-	23	22	5	15	23	20-21
C	**Staff Amenities**								
1	Rewiring of quarters.	1700	1208	842	859	774	861	1208	19-20
D	**Traffic Amenities**								
1	Improvement in illumination in washing line, sick line, yard (No of station)	-	12	0	9	03	31	31	23-24
2	Improvement in goods shed/freight terminals	-	48	14	49	41	25	49	21-22
3	Electrification of stations/halts.	-	04	11	03	02	01	11	20-21
E	**Safety**								
1	Electrification of eligible manned level crossings	-	178	20	8	20	50	361	18-19

2	Provision of RCCBs	-	-	-	-	-	650	650	23-24
F	**System Improvement**								
1	AMF Panel on DG sets more than 100 kVA.	-	01	02	01	04	02	04	22-23
2	Maintenance free earthing	-	-	04	82	8	547	547	23-24
3	Pre- paid meters within vender's premises	61800	08	-	18	200	301	301	23-24
4	11/.750KV EOG external power supply system	-	-	-	-	4	47	47	23-24

4.6 Safety Performance:

4.6.1 General Power Supply: Electrification of Manned Level Crossings:

With a view to improve safety of road users, 50 level crossing gates have been electrified by providing solar panels or availing electric connection from State Electricity Board.

4.6.2 Provision of RCCBs:

650 RCCBs have been provided to water coolers, electric poles, HMT & Electric Geysers at various Railway stations, Rest house, Retiring rooms, TTE Rest house over Northern Railway for safety of Railway staff.

4.7 System improvement

4.7.1 System improvement in TRD during 2023-24:

The following measures were taken during 2023-24 for system improvement:

- **Replacement of corroded/weak/damaged catenary wire:** Electrification in Delhi area was carried out from 1976 onwards. Catenary wire has become overaged and its condition has further deteriorated due to heavy pollution in DLI area. Same is being replaced in phased manner. Further, replacement of corroded catenary wire is being done in the chemically polluted areas due to nearby factories in different sections of all divisions. Also s**plicing is being done even if a single strand damaged found** to prevent failures.

- **132.87 KMs** of **old and weak catenary wires** has been replaced during the financial year 2023-24**.** Also, at **1884 locations splices were** provided on catenary wire due to strands found damaged.

- **Replacement of brazed jointed contact wire:** Electrification in Delhi area was carried out from 1976 onwards. Contact wire used then till 1995 was manufactured with silver brazed joint at around 100 meters interval. Failures of opening brazed joints started from the year 1989. Hence, a drive was launched to replace all the contact wire with silver brazed joints in phased manner. During the year 2023-24,**38.17 KMs** failure prone Brazed jointed Contact wire was replaced by Delhi division**.** Brazed joint contact wire on main lines has been replaced.The balance quantity (approx. 272KM out of total 804KM) is remaining on yard lines/goods lines.

- **Replacement of corroded contact wire:** TRD assets get badly deteriorated due to chemical pollution discharged by factories near Railway track. For improving the reliability, identified corroded contact wires in these polluted areas are being replaced in a phased manner. **19 KMs** corroded contact wire has been replaced during the year 2023-24.

- **Replacement of corroded cantilever Assembly:** Severe effects of chemical pollution on TRD assets have been observed in different sections over NR due to

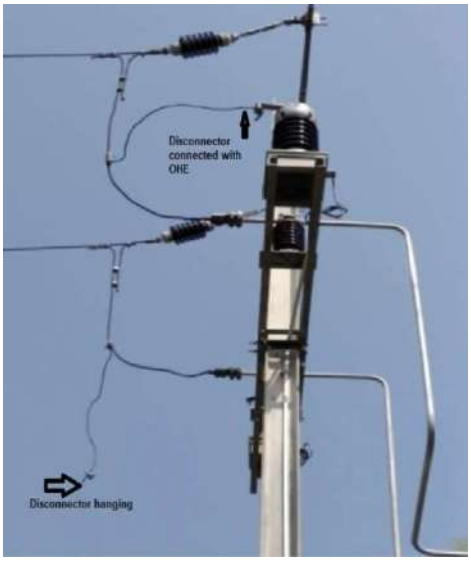
industrial affluents from factories near track. This causes rusting of cantilever assemblies in areas near polluted areas. Therefore, these rusted cantilever assemblies are surveyed and replaced regularly. **2926 Nos.** rusted cantilevers have been replaced in polluted areas during the year 2023-24**.**

- **Replacement of corroded steel anti creep wire:** Steel anti creep wire also gets corroded and becomes prone to failure due to chemical pollution from nearby factories in different sections in all divisions of NR. Therefore, these anti creep wires are being replaced by copper catenary wire. **214 Nos**. corroded steel anti creep wires have been replaced with copper catenary wire during the FY 2023-24.

- **Provision of Disconnectors on Lightning Arrestors (LA):** In the event of failure of LA on line, the line does not hold till failed LA is identified and physically isolated. This leads to serious traffic interruption. Hence disconnectors are being provided which will disconnect the LA from OHE upon failure; thereby ensuring that the traffic interruption does not occur and also permitting much faster restoration. Also this device will give tell-tale indication for visual identification of the failed LA. A drive was launched to ensure provision of Disconnectors on all gantry LAs over Northern

Railway and **71 nos. Disconnectors** have been provided on gantry LAs during FY 2023-24.

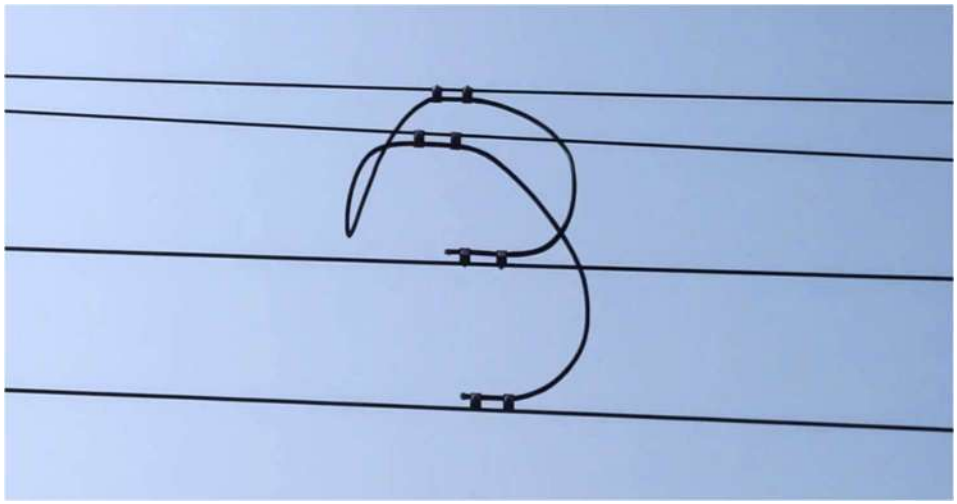
Modification in already provided disconnector assemblies on LA as per RDSO's revised SMI TI/MI/0048 Rev-2: Earlier as per RDSO's SMI, Dis-connector assemblies were provided on top of LA. However, several OHE failures were reported by different Zonal Railways due to earth fault created by jumpers during the operation of disconnectors provided on top. RDSO revised the SMI for shifting the Dis-connector to feeder to OHE connecting jumper instead of top of disconnector. Accordingly, earlier provided LA disconnector assemblies are being modified. **525 Nos.Disconnector assemblies have been shifted during the FY 2023-24.** This will help to avoid OHE failures in case of LA operation.



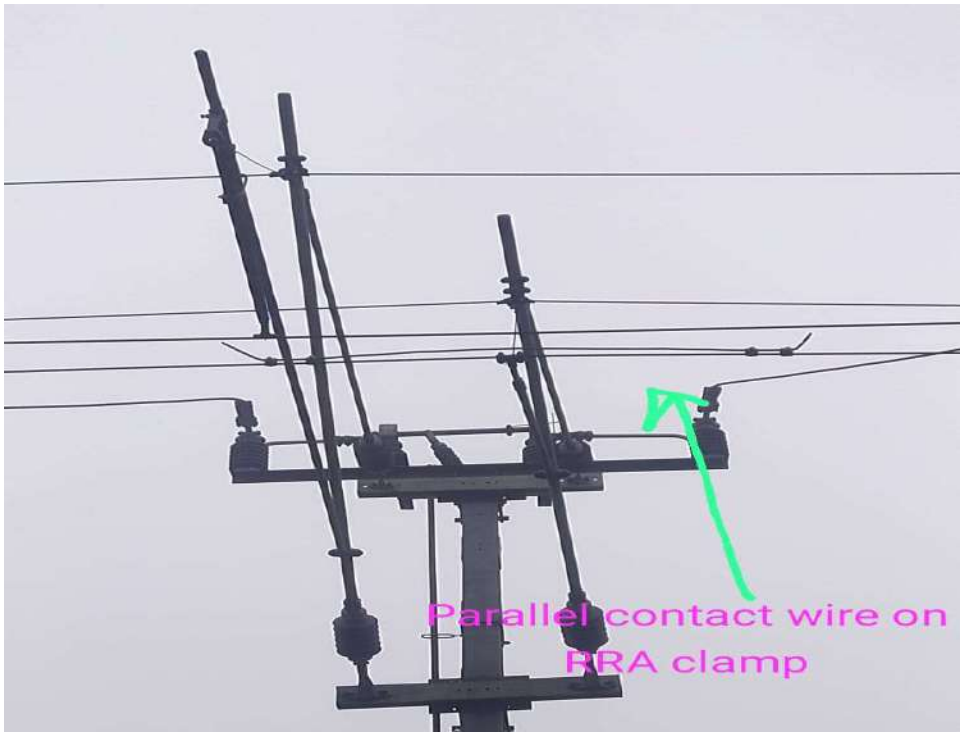
- **Reliability Improvement of TRD Assets:** Action taken to **arrest cases of OHE parting** from PG clamp of G-jumper/ isolator jumper/ drop jumper in high density sections/ Vande Bharat routes:

  i. **Provision of 160sq. mm drop jumper in place of 105 sq. mm jumpers** at isolators with 6 PG clamps in place of 4 PG clamps increasing the contact area for better current transfer. 160sq. mm drop jumper in place of 105 sq. mm jumpers has been provided at 1256 Nos. isolators during the year 2023-24. Work in the **first subsector in all divisions has been completed.**

ii. Provision of **160mm^2 jumper** wire as **G-jumper** on UIOL in the **first subsector of TSS** in place of 105mm^2 jumper wire for increasing current carrying capacity. This was provided at **1257 Nos**. locations during the year 2023-24. Further, **G-jumper is being provided as cross type connected** in the entire railway for increasing current transfer path between two OHE.



iii. Provision of **105 mm^2 G-jumper on both side of UIOL in high density single line** section for increasing current transfer path between two OHE. These were provided at **1048 Nos**. locations during the year 2023-24.



- **Modification in sectioning arrangement of Big yards:**
  For better segregation of faulty section and smooth train operation during fault/failure as well as to make it easy for maintenance of TRD assets in availing power blocks sectioning arrangements of New Delhi station area of DLI division and Ambala & Saharanpur station areas of Ambala division have been modified by provision of new isolators.

- **Upgradation of RTUs to high speed E1 connectivity: All RTUs of DLI area (**Subzi Mandi/SSP, Pull Mithai/SSP and Tughlakabad/SSP) were replaced and shifted to **high speed E1** connectivity due to their codal life completion in DLI division. RTU of boundary switching post of Mahrauli/SSP has also been upgraded to high speed E1 connectivity.

- **Replacement of overaged PSI equipment:** For improving the reliability of TRD system,**54 Nos**. overaged PSI equipment were replaced at various switching stations over all divisions (DLI: 44, LKO: 04, MB: 06) –
  08 nos. 25 KV Vacuum CBs replaced.
  05 nos. BMs and 03 no. PT type-I replaced.
  38 nos. Lightening Arresters with its surge counters.

- **Replacement of overaged assets:** To improve the reliability and proper functioning of switching posts. **59 sets of over aged battery set** at RCC/TSS/ SP/SSP have been replaced during the year 2023-24.

- **Improvement of earthing system of switching posts by provision of buried rail:** In order to limit the rise in rail potential and improve the efficacy of existing protection scheme and safety, earthing stations with buried rail are being provided at switching posts. **Buried rail earthing stations** have been provided at **46 nos.** switching stations during the year 2023-24.

- **MOCK DRILL:** Mock Drill at depots over all divisions were arranged for exposure of staff to Breakdown situation. Breakdown management, restoration planning & time taken by staff for each activity was noted.

4.7.2 Power Supply System Improvement:

S.N.	Item No.	Target for 23-24	Performance					Best Ever	
			19-20	20-21	21-22	22-23	23-24	Figure	Year
1	AMF Panel on DG sets more than 100 kVA.	-	01	02	01	04	02	04	22-23
2	Maintenance free earthing.	-	-	04	82	8	547	547	23-24
3	Pre- paid meters within vender's premises.	61800	08	-	18	200	301	301	23-24
4	11/.750KV EOG external power supply system.	-	-	-	-	4	47	47	23-24

4.8 GREEN ENERGY INITIATIVES:

4.8.1 1160 Kwp Power Plant:

1160 KWp Grid connected solar power plants have been installed at 01 location (990 KWp) over Delhi division, 01 location (100 KWp) over Lucknow division and 01 location (70 KWp) over Moradabad division. Total 16.93 Lacs units are expected to be generated from these plants annually which will result in saving of Rs. 135.48 Lacs and reduction of 1388.75 tonnes CO2 emission per annum.

4.8.2 Remote controlling and monitoring of the ACs in the relay rooms.

51 nos. devices for Remote Controlling of ACs have been installed at S&T installations (Relay Rooms) in Moradabad Division for efficient and economic operation of installed ACs.

4.9 ECONOMY MEASURES

4.9.1 Economy Measures of Power Supply:

- **Provision of LED tube lights (lamp) in place of high wattage fittings:** 3428 LED fittings in place of high wattage fittings have been provided at various Railway station buildings.

- 11/.750KV EOG External power supply on 47 Nos. washing lines have been successfully operated at various depots over Northern Railway (DLI-32, LKO-09, FZR-05 & MB-01). This External power supply is fed to EOG LHB Rakes from CSS during daily repair work in washing line and sick line. With its commencement, there will be no air pollution in daily repair work and there will be an anticipated annual saving of about appox. 16 lakh liters of diesel.

- **Automation of pumps:** 55 pumps (FZR-20 and MB-35) have been automated with GSM technique to improve the reliability of water supply.

4.9.2 OHE: Economy on Traction Energy bills:

- **Open Access Status in Northern Railway**:

  Northern Railway is availing cheaper traction power through **Open Access** in the states of **Haryana, Delhi, UP & Punjab** directly from Generators. With this **96% of the total power requirement** of Northern Railway has come under Open Access.

- Total saving on traction energy bill through open access in NR during the FY 2023-24 is approx. **Rs. 356 Crs.** for UP, Haryana, Delhi & Punjab states.

4.9.3 Economy (Loco):

- **Energy Regeneration on 3 Phase Electric Locos**
  Energy regeneration worth Rs. 147.89 Cr. approx has been achieved during this year by use of regenerative braking in three phase electric locos.

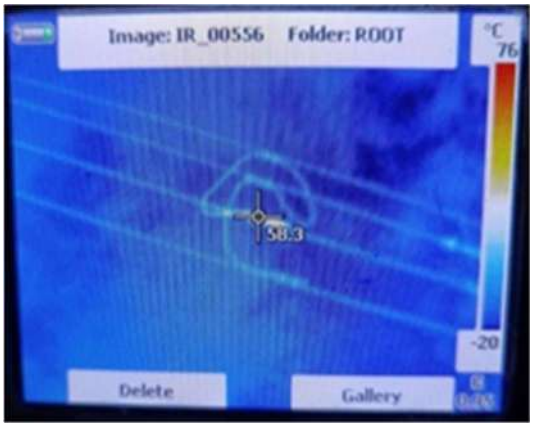
- **Scrap disposal:**
  Electric loco sheds disposed off 544.314 MT ferrous scrap, 38.488 MT non-ferrous scrap and 59 nos empty drums, 68 nos ceiling/wall fans, 6.368 MT other scrap and 1 TFP & 250 nos loco battery during the current year.

4.10 RELIABLITY:

4.10.1 OHE: MEASURES TO ENHANCE RELIABILITY OF OHE DURING 2023-24:

A number of measures were taken to improve reliability of OHE during 2023-24, which are as under:

- **Checking of PG Clamps & Joints by Thermo-vision camera:** To improve the reliability of TRD Assets through predictive maintenance regular thermo-vision checking is being done so that online failure/insipient fault of OHE & PSI equipment can be arrested. During the year 2023-24, **540763 Nos** points on OHE and PSI installations were checked with Thermo-vision camera. During checking 36 Nos. hot points were noticed and the same were attended by availing power block.



- **Provision of contact wire in place of catenary wire under over line structures (FOB/ROB):** In order to arrest cases of catenary wire parting due to falling of foreign material from FOB/ROB, RDSO recommended use of contact wire in place of catenary wire under FOB/ROB. During the year 2023-24, at **134** locations contact wire has been provided in place of catenary wire under FOB/ROBs.

- **Provision of Retro- reflective Sigma Boards before signal:** For making Loco Pilots aware of approaching stop signals, provision of Retro-reflective Sigma boards and sigma strips on two masts in rear of stop signals is being ensured regularly in electrified territories. During the year 2023-24, at **311 nos**. locations, Retro-reflective Sigma Boards were provided on two masts prior to stop signals.

- **Replacement of Aluminum Cross Feeders: 22** nos. Cross-feeders have been replaced with 150 sq.mm copper cross-feeders along with drop jumpers at switching posts during FY 2023-24.

- **Replacement of old-designed failure-prone RRA clamps:** - To arrest the cases of contact wire parting due to sharp edges in old designed RRA clamps, a drive was

launched to replace these with modified RRA clamps in phased manner. During the year 2023-24, **1128 nos.** sharp edge RRA clamps were replaced with modified RRA clamp. This shall improve the reliability of system.

- **Major Schedules of OHE:** Major schedule of 10358 TKM OHE i.e. IOH/POH was carried out during the year 2023-24.
- **Checking of Turnouts & Cross overs: 8927 nos.** Turn-outs & cross-overs on main line & yards were checked during the year 2023-24 to avoid Panto-entanglement.

- **Maintenance of ATD:** AOH/POH schedule of **25259 Nos**. **ATD** was carried out during the year 2023-24.
- **Live line checking**: Total **12557 RKM Live line checking** of OHE by 8-wheeler Tower Wagons was carried out during year 2023-24.
- **Current Collection Test:** To improve the reliability of OHE Current collection test with Oliver G over **12612 RKM** was carried out during the year 2023-24.
- **Maintenance of gantry:** Annual scheduled maintenance of **545 Nos.** gantries of switching stations was carried out during the year 2023-24 covering feeders, PG Clamps and provision of bimetallic strips etc.

- **Cleaning of Insulators:** As a measure to improve the reliability of OHE by arresting CB trippings, **36784 Nos.** insulators were cleaned in polluted areas and **322778 Nos.** insulators were cleaned in normal areas during the year 2023-24.

- **Porcelain Insulators replacement:** To improve the reliability of OHE system in vandal prone areas **1641 Nos.** porcelain insulators were replaced by composite type insulators during the year 2023-24.

- **Provision of missing/damaged traction bonds:** To improve the safety by limiting the rise of rail potential, provision of traction bonds is regularly ascertained and their tightness is ensured during foot patrolling. **28010 Nos.** missing/damaged traction bonds were replaced /provided during the year 2023-24.

- **Provision of PVC pipes as anti-bird measures: -** There is a problem of bird nest formation in fabricated Drop Arms. To arrest the CB trippings and failures due to

bird nests, PVC pipes were provided on **319 nos**. fabricated Drop Arms of portals as anti- bird measure during the year 2023-24.

- **Provision of Anti monkey climbing device on OHE portals& masts:** OHE failure occur due to electrocution of Monkeys climbing on masts and portals in Monkey prone areas. To arrest the CB trippings and failures due to monkey electrocution, Anti monkey climbing devices were provided on OHE masts and portals at **1025 nos**. locations in identified monkey prone areas during the year 2023-24.

- **Tree Trimming:** To improve the reliability of OHE, **224763 Nos.** tree branches close to OHE were trimmed during the year 2023-24 to maintain safe clearance of 4 mtrs. from the OHE.

- **Annual Relay testing & calibration** of **65 Nos. TSS** was carried out during the year 2023-24.
- **Earth Pit resistance checking: 8003 Nos**. earth pit resistance values have been checked to improve the reliability of OHE during the year 2023-24.
- **Checking healthiness of LA: 1952 Nos.** LAs were checked for healthiness by Leakage current monitor during the year 2023-24.
- **Replacement of old SS wire rope of ATDs more than 9 years old: 1786 Nos.** SS wire zones of ATDs were replaced being more than 09 years overaged during the year 2023-24.
- **Provision of sacrificial masts in loading/unloading sidings: 31 Nos.** sacrificial masts have been provided in loading/unloading sidings during the year 2023-24.

4.11 MANPOWER PLANNING:

4.11.1 General Power supply

Bench Marking	**Staff per 1000 units (on Roll)**
IR average	0.13 (2021-22)
Northern Railway	0.11

4.11.2 Division wise staff position over NR is as follows:

Items	**DLI**	**UMB**	**FZR**	**LKO**	**MB**	**Total**
Electrified RKM	1451	1048	1707	1473	1409	**7077**
Electrified TKM	3552	2160	2792	3299	2778	**14592**

Sanctioned strength of staff		983	477	623	716	668	**3485**
Staff on Roll		918	395	510	679	591	**3093**
Manpower per TKM	Sub urban (Yardstick: 0.42/TKM)	0.41	-	-	-	-	**0.41**
	Non-Sub-urban (Yardstick:0.22/TKM)	0.20	0.18	0.18	0.21	0.21	**0.20**

Bench marking has been revised from **0.45 staff per TKM to 0.22 staff** per TKM by Rly. Board. Presently ratio of staff per TKM over N. Rly has come down to 0.20 staff/TKM. However, maintenance is being carried out by existing staff without compromising on the quality. Maintenance of PSI assets and manning & housekeeping work of TSSs and several other non-core activities in all divisions over NR have been outsourced.

4.11.3 O&F wing: Shortage of Running staff

There are 1472 (10.6%) vacancies in the running cadre as on 31.03.2024. Selection process for filling up ALP post through Promotional Quota (84 posts) has been notified (DLI-75 & MB-9) in March 2024. A panel of 78 ALPs were recruited under GDCE quota for LKO division.

4.11.4 Training at ETC/GZB:

i. 195 courses were organized against the target of 166 courses during the year.
ii. 9678 trainees were trained in different courses during 2023-24 against 7832 trainees in last year (2022-23).
iii. WAG-12 Loco training was imparted to 1289 trainees during 2023-24 against 652 trainees in last year (2022-23). The training is being imparted by the instructors of ETC/GZB and the exam is being conducted by MELPL/SRE.
iv. Special course on training on T-18 train was imparted to 605 trainees during 2023-24.
v. Refresher course for T-18 was imparted to 47 staff during 2023-24.
vi. One day special simulator course for operation of RS valve (Emergency valve) by ALPs was started from 25.02.23 (round the clock), Total 992 ALPs attended the course up to Mar'2024.
vii. Special offline course of one week duration on 'Tripping of conventional locos' for crews was organized during 2023-24. 5440nos. running staff attended the course.

viii. Two seminars on safety were organised to enhance the safety in train operation for loco pilots at Electric Training Centre, Ghaziabad, on 07.11.2023 and 25.11.2023.

ix. A Special Class for escorting staff of C&W and TL-AC was organized. Total 100 trainees attended the course.

x. ETC/GZB has developed its own website *(www.etcgzb.in)*. The website is designed in such a way that it will not only provide the complete profile of the institute but also give useful information about the training schedules, new courses, results, sports activities, cultural activities & study material i.e. Monthly Instruction Bulletins, Various course books and TSD's.

xi. ETC/GZB has prepared an Instruction Bulletin (Good & Bad cases) on the operational failures based on action taken by Loco Pilots and compared them with the correct procedure of trouble shooting as per TSD.

अभियांत्रिक/ अभियांत्रिक निर्माण

ENGINEERING/ENGG. CONST.

General Manager's Annual Narrative Report 2023-24

महाप्रबंधक की वार्षिक वर्णनात्मक रिपोर्ट 2023-24

5.3.1 About the Department

The Civil Engineering is responsible for the construction and maintenance of all civil engineering assets, viz all buildings including station buildings, residential quarter, hospital, sheds, workshop structures, goods sheds etc., water supply and sanitary installations, Railway tracks, sidings and all allied structures, Bridges including Road over bridges and Road under bridges.

The maintenance wing (Open Line) of Civil Engineering organization is headed by the Principal Chief Engineer. The Principal Chief Engineer is assisted by Chief Engineers in the Headquarters. The Chief Engineers are assisted by Deputy Chief Engineers, Executive Engineers and Assistant Executive Engineers.

5.3.2 Highlights of the year

A. Taking over of State Railway **=** NIL

B. Loss to Railway Property

(i) Due to Civil disturbances and violent strikes/bomb blast. = NIL
(ii) Due to damages caused by floods and cyclones
(Repair to slips was done departmentally) = NIL

C. Progress in Hindi in Engineering Department = 97%

The present progress of Hindi in Engineering Department of Northern Railway is about 90%. All correspondence received in Hindi and replied in Hindi. All boards at stations, waiting halls and on service buildings are written in Hindi/bilingual. Registers in the offices are also maintained in Hindi/bilingual. Efforts are being made to do as much noting in Hindi as possible and it is being progressively increased.

D. (a) Improvements made in Marshalling Yards and their working =NIL
(b) Works in Progress in Marshalling yards during 2023-24 =NIL

E. Works completed during 2023-24

Costing Rs.100 lakhs and above:

a) Remodelling & construction of passenger yards. = --
b) Remodelling & construction of Goods Yards =01
c) Line capacity works = --
d) Doubling of lines. = --
e) Other works =01

Total expenditure incurred during 2023-24 = Rs. 0.29 Crore

02 no. works costing Rs. 23.57 Cr. was completed out of which expenditure of Rs. 0.29 Cr. was incurred during 2023-24.

F. Works in progress during 2023-24

Costing Rs.100 lacs and above

a) Remodelling and construction of passenger yards =21
b) Remodelling and construction of goods yards =12
c) Line capacity works =29
d) Doubling of line =46
e) Other Works in progress =24

Total expenditure incurred during 2023-24 > Rs.100 Lakh = ₹ 2687.98 Cr.
Expenditure incurred during 2023-24< Rs. 100 Lakh = ₹ 43.17 Cr.
Total expenditure incurred during 2023-24 = ₹ 2731.15 Cr.

The total cost of these 132 no. of works is about ₹ 45029.63 Crores.

G. Throw forward in new works costing ₹100 lacs and above under all plan heads during the year 2023-24.

Plan Head (15) Doubling = ₹ 27517.73 Cr.
Plan Head (16) Traffic Facility = ₹ 1663.48 Cr.

5.3.3 Performance of Engineering Department

A. Track

NR has total route Kms. as 7405.59 km & running Kms. as 10702.12 Km. Total track Kms. including tracks in yards, sidings etc., stands at 13957.13 Km. About 95.56 % of the route is electrified.

The track net work at the end of 2023-24 in comparison with earlier years (2019-20 onward) is shown below:-

Year	Total route kms.		Running Kms.		Total track kms.	
	Electrified	Total	Electrified	Total	Electrified	Total
2019-20	4603.38	7323.29	7271.90	10024.18	9331.08	13557.80
2020-21	5503.84	7323.29	8284.23	10103.68	10891.41	13395.46
2021-22	6125.26	7330.99	9050.43	10256.16	11817.06	13526.37
2022-23	6613.69	7362.99	9740.02	10489.32	12541.45	13742.40
2023-24	7076.74	7405.59	10373.265	10702.12	13636.319	13957.13

a. State Wise route km:-

The following table shows the breakup of route kms States/Union Territories-wise at the end of 2023-24.

S. No.	STATE (Union Territory)	ROUTE KILOMETRE 2023-24
1	Uttar Pradesh	3089.55
2	Rajasthan	31.17
3	Himachal Pradesh	312.55
4	Jammu & Kashmir	298.19
5	Punjab	2193.42
6	Haryana	1118.18
7	Delhi	187.93
8	Chandigarh (Union Territory)	15.70
9	Uttarakhand	158.90

b. Track Renewals:-

At the end of 2023-24 there was an arrear of 1572 CTR units in track renewal. During 2023-24, N.R. completed 765.00 CTR units of Track renewal against target of 787.50 CTR units.

c. Track Patrolling :-

NR undertakes monsoon patrolling and manning of vulnerable spots and bridges to ensure safety of track. In addition wherever any crisis comes patrolling and track protection drills automatically come into force. Gang staff are continuously examined and trained in these exercises. Security Patrolling is also being done in PTK-JAT section and JAT-UDM- SVDK being terrorism prone area.

d. Welded Rails:-

On most of the important routes, rails have been welded into continuous lengths from station to station and smaller lengths of 2 to 3 km as well. On other routes, short welded rails of 39 m lengths and single rails are adopted. As on 31.3.2024, total length of B.G. welded track on NR was 10345 kms. out of which 9687 kms. is with long welded rails and 658 kms. short welded rails.

e. Track Renewal Carried Out During 2023-24 (fig. in KMS.)

Target for 2023-24 = 787.50 CTR units

SN	DESCRIPTION	RENEWAL	BG	MG/NG	TOTAL
1	Complete Track Renewal (a) With new material	RR SR	253.19 253.19	0.00 0.00	253.19 253.19
	(b) With second hand material	RR SR	30.25 30.25	0.00 0.00	30.25 30.25
2	Through Rail Renewal (a) With new material	RR	516.62	0.00	516.62
	(b) With second hand material	RR	84.22	0.00	84.22
3	Through Sleeper Renewal (a) With new material	SR	86.04	0.00	86.04
	(b) With second hand material	SR	3.82	0.00	3.82
4	Other Misc. Works (P)	RR	83.03	0.00	83.03
		SR	41.49	0.00	41.49
	Other Misc. Works (S)	RR	104.76	0.00	104.76
		SR	43.17	0.00	43.17
	Total in Kms		1530.01	0.00	1530.01
	Total in CTR Units				**765.00**

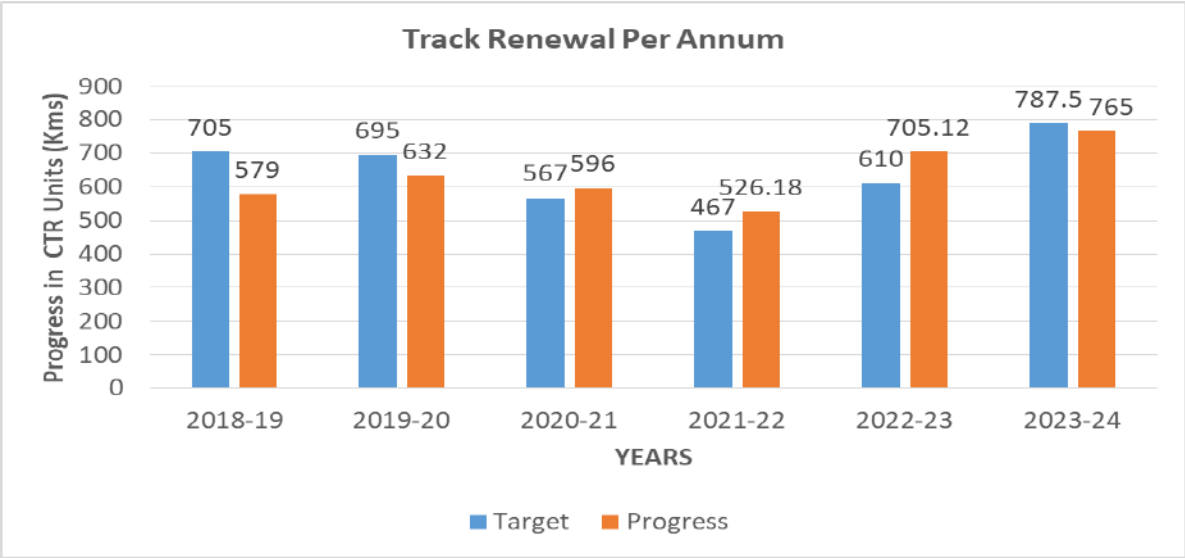


Fig.1

f. Progress of Track Recording by OMS

MONTH	2019-20	2020-21	2021-22	2022-23	2023-24
TARGET	**82080**	**83287**	**86988**	**89942**	**92665**
APR	7003	16482	8011	8148	74400
MAY	6609	14154	13751	7707	11708
JUN	6807	11887	16133	9484	10380
JUL	7460	14035	11455	9253	8625
AUG	5346	14763	4634	9944	9534
SEP	7008	13220	7246	6244	8185
OCT	6092	10295	8351	3018	9198
NOV	7705	10093	7911	6064	9078
DEC	8447	11796	10086	7431	9589
JAN	6768	9592	6596	8579	9887
FEB	6279	7807	16676	8062	8128
MAR	8302	10766	9315	11023	8204
TOTAL	**83826**	**144890**	**120165**	**94957**	**109956**

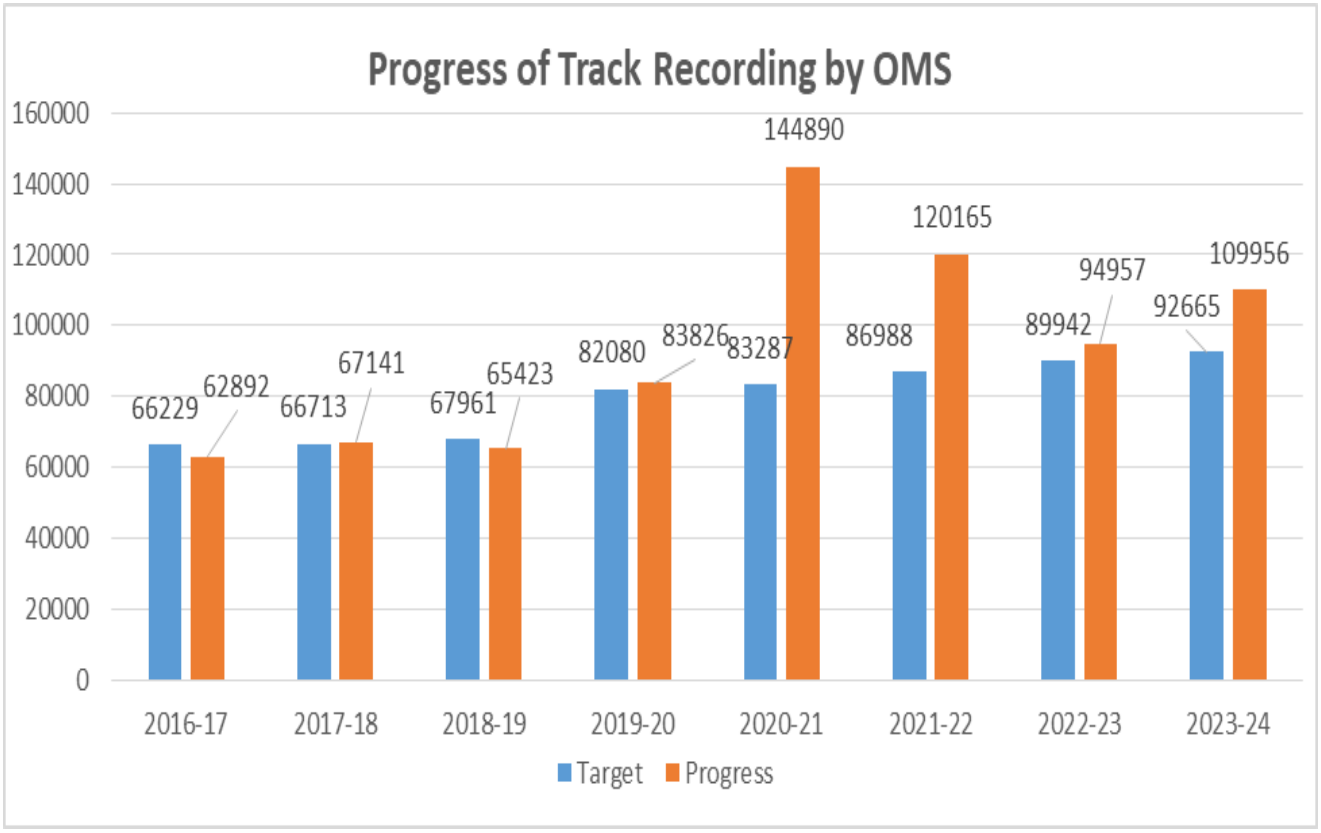


Fig.2

g. Welding of Rail Joints:-

Length of Track Welded in kms. Upto 31.03.2023	Length of Track Welded during 2023-24 (*)		Total length of Welded Track in kms (1+2+3)**
	By thermit welding	By flash Butt Welding	
1	2	3	4
10014 Kms (DOT Cell)	Track Renewal-765.00 TKM		10014 Kms (DOT Cell)
	43713 (TM Cell)	5592 Joints=37.28 TKM	

(*) For all welded track provided. Thermit Weld and flash butt welds are provided together in all the kilometres welded.

(**) Welded track provided during 2023-24 was by way of Through Rail Replacement (TRR). All the earlier tracks in the locations were already welded track hence no new addition was made.

h. PRODUCTION OF FWP/MUT:-

	Stationary Plant	Mobile Plant	Stationary Plant	Mobile Plant	Stationary Plant	Mobile Plant	Stationary Plant	Mobile Plant	Stationary Plant	Mobile Plant
YEAR	**2019-20**		**2020-21**		**2021-22**		**2022-23**		**2023-24**	
YEARLY TARGET	**33000**		**24000**	**6000**	**24000**	**6000**	**0**	**5500**	**0**	**7500**
APR	1411	192	295	0	988	1421	0	1843	0	144
MAY	1502	479	1283	877	176	1619	0	838	0	282
JUN	1187	1833	2401	956	57	2116	0	733	0	495
JUL	1138	2208	2491	705	112	1301	0	879	0	1040
AUG	644	2074	2139	2552	0	397	0	1193	0	1024
SEP	1394	2230	1340	2304	0	354	0	572	0	324
OCT	707	904	2870	1878	0	673	0	608	0	39
NOV	1203	1848	2155	1501	0	687	0	443	0	446
DEC	1612	2025	1770	1347	0	553	0	1580	0	797
JAN	1817	2196	0	1510	0	357	0	933	0	651
FEB	2306	1586	0	2305	0	1128	0	686	0	206
MAR	1827	757	0	2661	0	1719	0	0	0	144
TOTAL	**16748**	**18132**	**16744**	**18596**	**1333**	**12325**	**0**	**10308**	**0**	**5592**

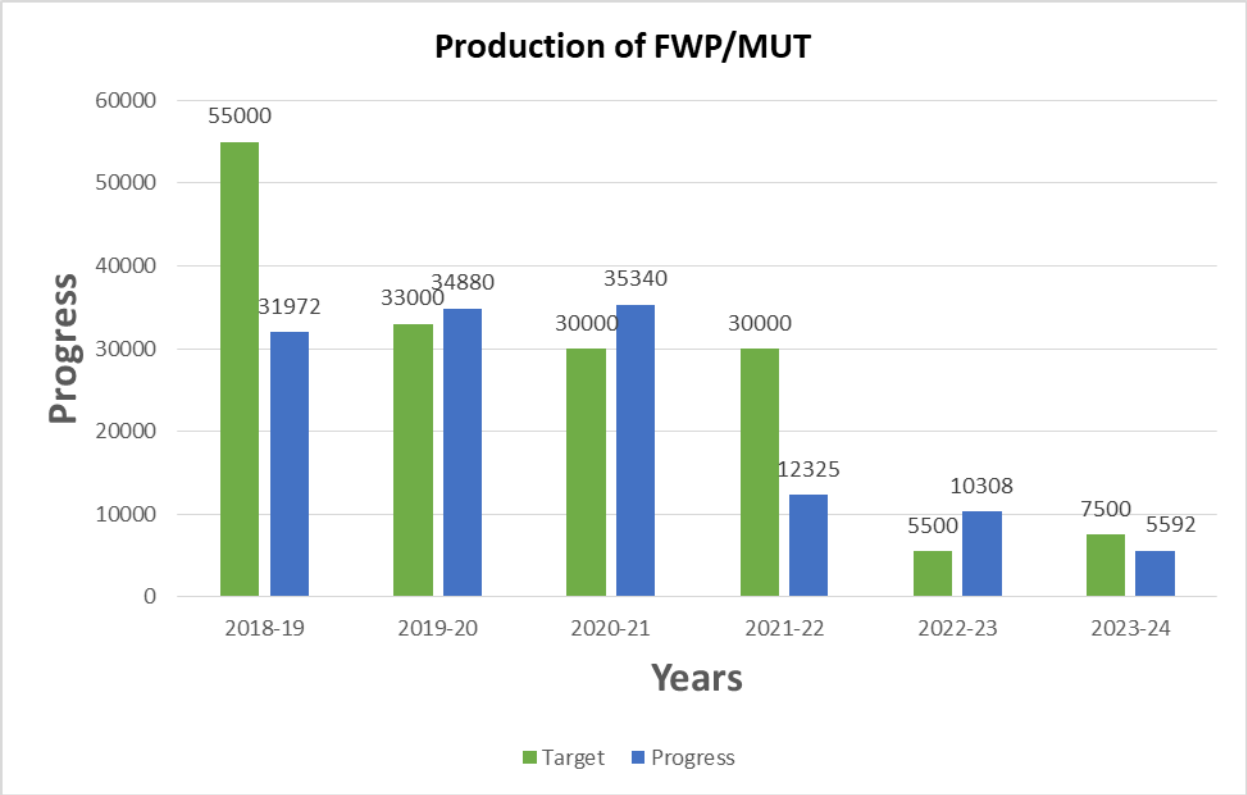

Production of FWP/MUT
60000
50000
40000
30000
20000
10000
0
Progress
55000
31972
33000
34880
30000
35340
30000
12325
5500
10308
7500
5592
2018-19
2019-20
2020-21
2021-22
2022-23
2023-24
Years
Target
Progress

Fig.3

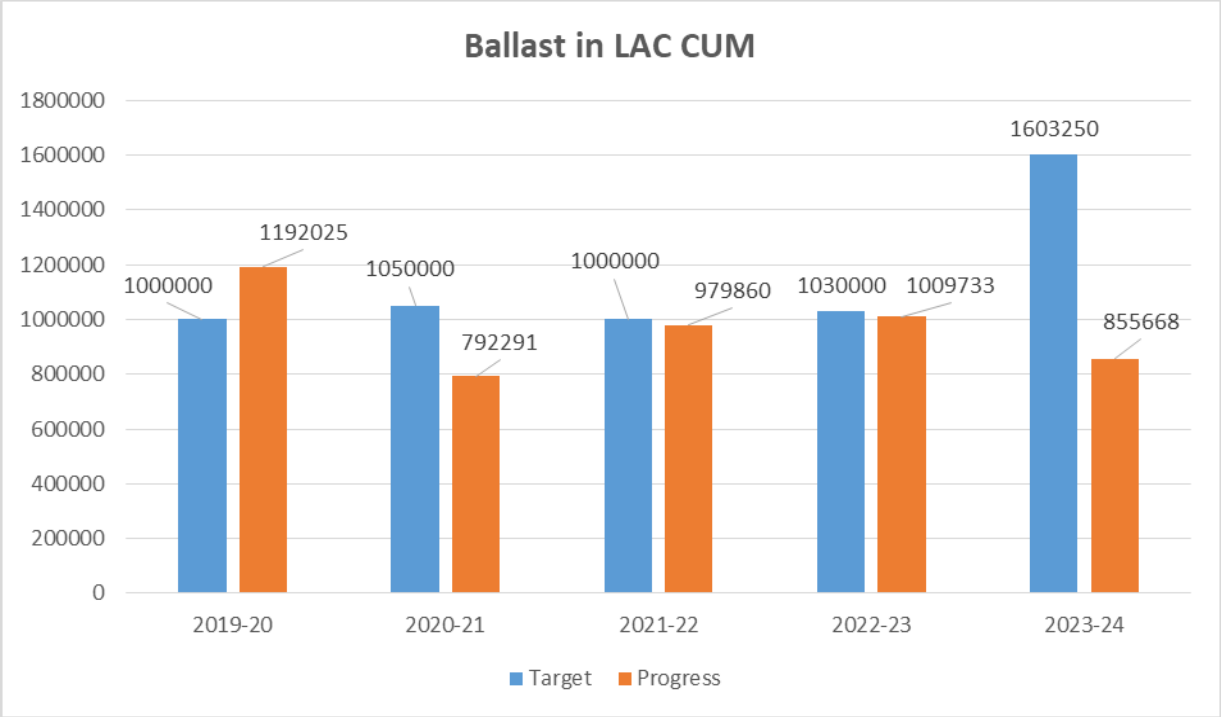

Ballast in LAC CUM
1800000
1600000
1400000
1200000
1000000
800000
600000
400000
200000
0
1000000
1192025
1050000
792291
1000000
979860
1030000
1009733
1603250
855668
2019-20
2020-21
2021-22
2022-23
2023-24
Target
Progress

Fig.4

i. CONCRETE TURNOUT SLEEPERS

Turnout Concrete Sleeper is technically the best suited sleeper for high speed trains, having traffic density routes and track circuited areas. Northern Railway has total of 9282 Nos. turnouts of all types on Main Line (BG) out of which 9193 Nos. are PSC (99.04%) and 4233 Nos. turnouts on Non Running Lines (BG) out of which 4030 Nos. are PSC (95.20%). In addition to this there are 1064 Nos. Derailing Switches are 232 Nos. Diamonds and Scissors. These are also being replaced with PSC Layout. The ultimate target is to lay 100% PSC turnouts on main line. Therefore, efforts are being made to produce maximum number of turnout concrete sleepers and lay them on the track as per the sanctioned works. The yearly production of turnout sleepers of last 5 years is given as under:-

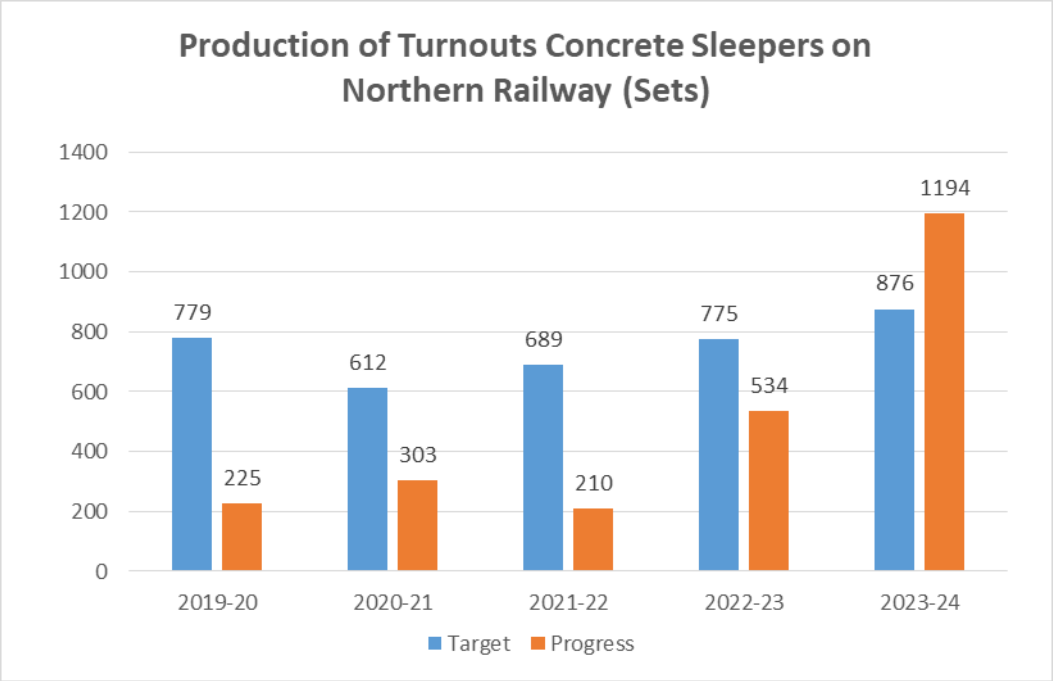


Fig. 5

j. CONCRETE SLEEPERS

Concrete Sleeper is the most economical and technically best suited sleeper for high speed trains, heavy traffic density routes and track circuited areas. Northern Railway has total of 10442 Kms of main line out of which 10432 Kms are on PSC (99.90%). The ultimate target is to lay 100% PSC on main line. Therefore, efforts are being made to produce maximum number of concrete sleepers and lay them on the track as per the sanctioned works. At present 9 concrete sleeper plants producing line sleepers and special layout sleepers. The yearly production of line sleepers of last 5 years is given as under:-

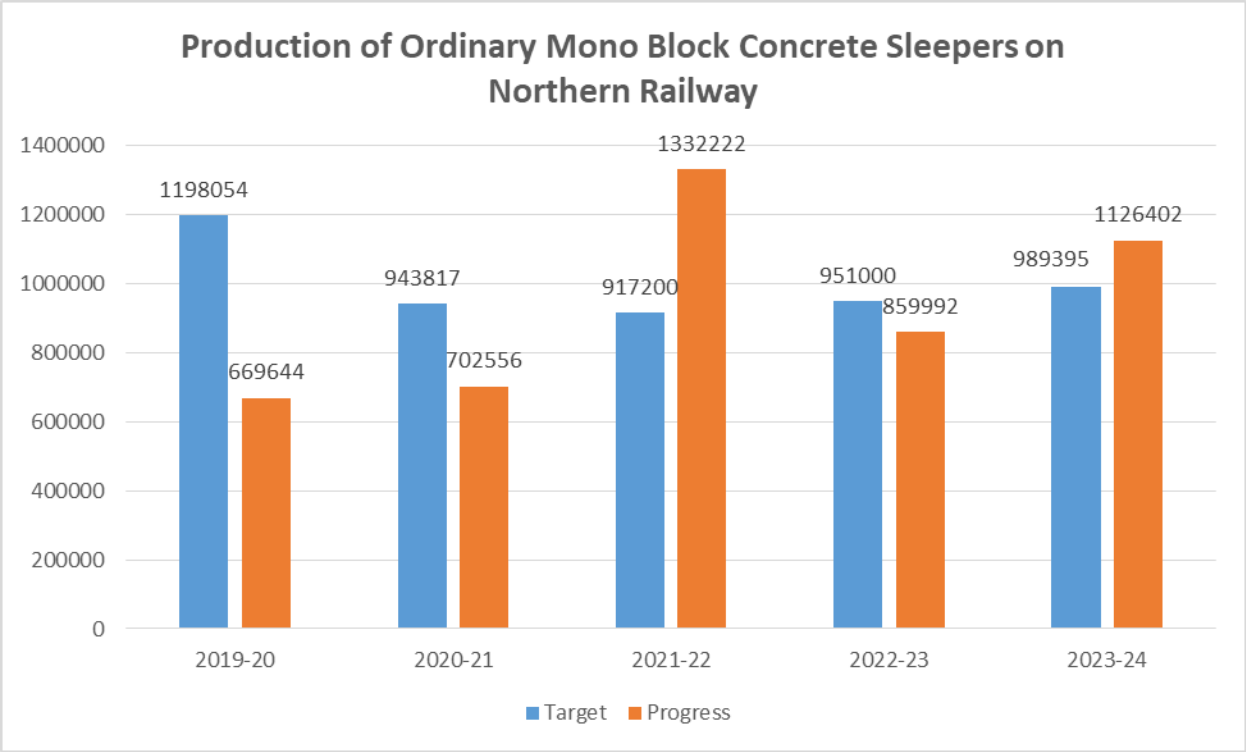


Fig.6

B. BRIDGES & TUNNELS:-

(A) Bridges:-

1. Bridges Statistics:-

The total numbers of bridges on Northern Railway are 21215; out of which 67 Nos. are important bridges, 1490 are Major bridge and balance 19619 Nos. are minor bridges.

2. Waterway under bridges:-

Statement of waterway under various categories as on 31-3-2024 is given below:

S.N	Bridge category	B.G.	M.G.	N.G.	TOTAL
1	Important bridges	32461m	-	1435 m	33896 m
2	Major bridges	67379 m	-	4280 m	71659 m
3	Minor bridges	37377 m	-	2670 m	40047 m
Grand Total					**145602 m**

3. Bridge works completed during 2023-24 :-

a) Rebuilding /Rehabilitation of Bridges	242 Nos.
b) Removal of Permanent Speed restriction	01 Nos.

4. Progress of bridge works (Cost wise):-

Position of Expenditure during 2023-24 under Plan Head Bridge Works upto The End of March-2024:-

Year	Allocation	Final Budget Allotment (In Cr.)	Expenditure (In Cr.)	Percentage of Expenditure
2023-24	Total	199.73	191.84	96.04%

5. Performance of bridge Workshop during 2023-24

Fabrication of steel structure = 11178.1 MT against the target of 8300 MT.

6. Passenger Amenity works completed during 2023-24:-

Providing PF shelters on stations.	08 Nos.
Providing Foot over bridges on Stations.	29 Nos. (22 by Divisions and 7 by CAO/C)

(B) Tunnels:

Statement of length of tunnels for track as on 31-3-2024 is given below:

Gauge	BG	MG	NG	Total
Length of tunnel as on 31-3-2024	76782.59 M	-	8631.30 m	85413.89m

a Performance of Erection works during the year 2023-24 of erection of Steel : = 2821 MT against the target of 6914 MT.

b Fabrication of steel structure other than girder bridges : = 4001 MT against the target of 3000 MT.

c Productivity achieved: = More than 1.0 against the target of 1 MT/man/month.

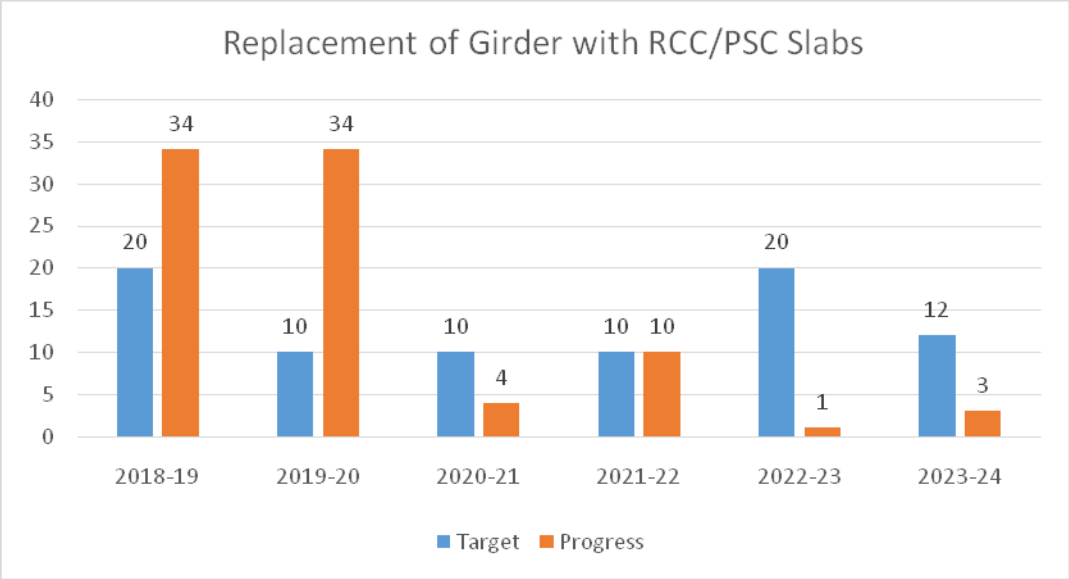

Replacement of Girder with RCC/PSC Slabs
40
35
30
25
20
15
10
5
0
20
34
10
34
10
4
10
10
20
1
12
3
2018-19
2019-20
2020-21
2021-22
2022-23
2023-24
Target
Progress

Fig.7

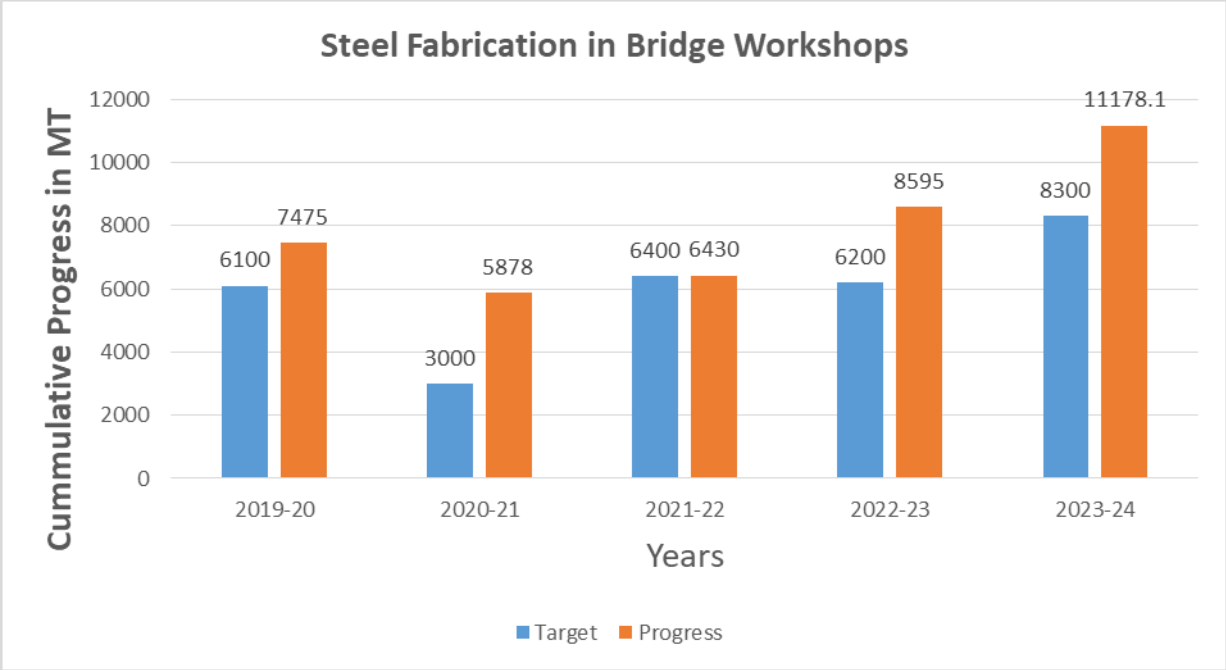

Steel Fabrication in Bridge Workshops
Cummulative Progress in MT
12000
10000
8000
6000
4000
2000
0
6100
7475
3000
5878
6400
6430
6200
8595
8300
11178.1
2019-20
2020-21
2021-22
2022-23
2023-24
Years
Target
Progress

Fig-8

C. QUARTERS:-

Provision of Quarters:-

Class of Quarter	No. of Qtrs. as on 31.03.2024
I & II	51310
III	2983
IV	1479
V & above	673
No. of barracks	3753
Total	**60198**

These figures include substandard Quarters also.

(a) No of over and under bridges constructed in replacement of Unmanned level crossings (UMLC's) in 2023-24 = Nil

(b) No. of over and under bridges constructed in replacement of Manned level crossings (MLC's) during 2023-24 = 82 Nos.

D. Level Crossings:-

Total no. of level crossings under various classifications over NR as on 01.04.2024

S. No	Classification of Level Crossings	Number of level Crossings 01.04.2024.
1	Special class	413
2	`A' class	262
3	`B' class	277
4	`C' class / Manned	1730
5	`C' class / Unmanned	0
6	`D' class	0
7	Canal/Manned	0
8	Canal/unmanned	0
9	Siding manned	03
10	Siding unmanned	0
Total		**2685**

SN	Items	2023-24
1	No. of level crossing manned	0
2	No. of level crossings where additional man provided without upgrading	78
3	No. of level crossings upgraded	21
4	No. of level crossings provided with lifting barriers	16
5	No. of level crossings where traffic census has been taken	502
6	No. of level crossings down graded	0
7	No. of level crossings de-manned	0
8	Assisted and private sidings commissioned	20
9	Railway over and under bridges constructed	190
Total		**827**

E. Floods & Breaches:

a	Floods and breaches occurred during 2023-24 Monsoon.	**06**
b	Review of works done by special organization set up on this Railway and review of Railway Bridges	**NIL**
c	Review of works made by joint committee of Engineers (Railway and State) in the Railway and other Public affecting works.	**NIL**
d	Progress made in connection with implementation of scheme for enlisting co-operation of villages in communication timely information regarding heavy rains and floods etc.	**District Magistrates of the districts of all Divisions of Northern Railway requested to instruct their staff to have close coordination with Rly. Officials. Their attention in that respect is being drawn every year by divisions.**

F. Passenger Amenities:-

a. Amenities for Passengers:

	Gents	Ladies	Combined
For 1st Class Passengers	-	-	-
For 2nd Class Passengers	-	-	-
For 1st & 2nd Class Passengers	-	-	-

b. Covered and raised platforms 2023-24:-

S.No.	Division	No. of Stations provided with covered platforms during 2023-24	No. of stations provided with platform above rail level during 2023-24	Construction of additional platforms and sheds at stations during 2023-24 sheltered platforms. (extension of PF)
1	Ambala	-	03	-
2	Delhi	04	24	01
3	Firozpur	-	08	-
4	Lucknow	06	18	02
5	Moradabad	-	01	-
	Total	**10**	**54**	**03**

c. Water softener and water purification schemes:-

(i) **Automatic Chlorinator**: Automatic Chlorinators have been provided at all pumping locations in all divisions of Northern Railway.

(ii) **Filtration Plant**: - Filtration plants at Oak Groove School/Jharipani have been overhauled by Agency of Division during the years .

(iii) **Rain Water Harvesting**: - 34 nos. of Rain Water Harvesting were installed during the year for recharging of underground water. Total progress of RWH upto 31.03.2024 over Northern Railway is 419**.**

d. Amenities for passengers : Foot Over Bridges:-

Work completed during 2023-24 = **46 Nos**.

Works in progress during 2023-24 = **50 Nos. (Target)**

e. Amenities for Passengers : Bathing Facilities

Nos. of stations where bathing facilities for passenger travelling in 2nd class exists including halt stations where hand pumps/water tanks have been provided = 1014 Stations.

f. Passenger amenities works during 2023-24 :

(A) Works completed during 2023-24 costing Rs. 100 Lacs and above = 46 nos.

Total expenditure incurred during 2023-24. = ₹ 2.65 Cr.

(B) Works in progress costing during 2023-24 Costing Rs. 100 Lacs and above = 541 nos.
Total expenditure incurred during 2023-24. = ₹ 1291.76 Cr.

g. Schedule of expenditure of Development funds:-

(Figure in Crore of Rs.)

S.No	Particular of works	2023-24
1.	Platforms	53.33
2	Water Supply arrangements	24.66
3	Electrical Works	11.39
4	Waiting/retiring room facilities	6.35
5	Transfer Facilities	245.66
6	Sanitation	7.01
7	Station building & circulating Area	873.29
8	Other users amenities	70.07
	Total Exp. incurred in Rly. Board/GM power	**1291.76**
	Exp. incurred in completed works	**2.65**
	Exp. incurred in DRM/LS Power	**85.47**
	Grand Total	**1379.88**

h. LAND MANAGEMENT:-

A) Tree Plantation (in Thousands):-
Target for 2023-24 = 10 Lac

Name of State	Total no. of Tree Surviving as on 01.04.2023	Total no. of Trees Planted on Rly. Land			Total land handed Over to Forest Deptt. (Hectares)	
		Deptt.	Forest Deptt.	Total	During Year	Total up-to date
Rajasthan	3590	3100	0	3100	0	159.8204
Haryana	489939	157531	5350	162881	0	0
Punjab	371236	260380	31220	291600	0	1144.694
Delhi	211840	28185	0	28185	0	0
U. P.	592056	263592	12340	275932	0	0
H. P.	131762	22591	1200	23791	0	0
J&K	47642	17500	0	17500	0	50.64
Chandigarh (UT)	35120	16854	0	16854	0	1464.5534
Uttrakhand	100278	182390	0	182390	0	0
TOTAL	**1983463**	**952123**	**50110**	**1002233**	**0**	**2819.7078**

Progress of tree plantation on Railway land as on 31.3.2024 is 10.02 lacs. The year wise breakup of tree plantation is shown in the graph.

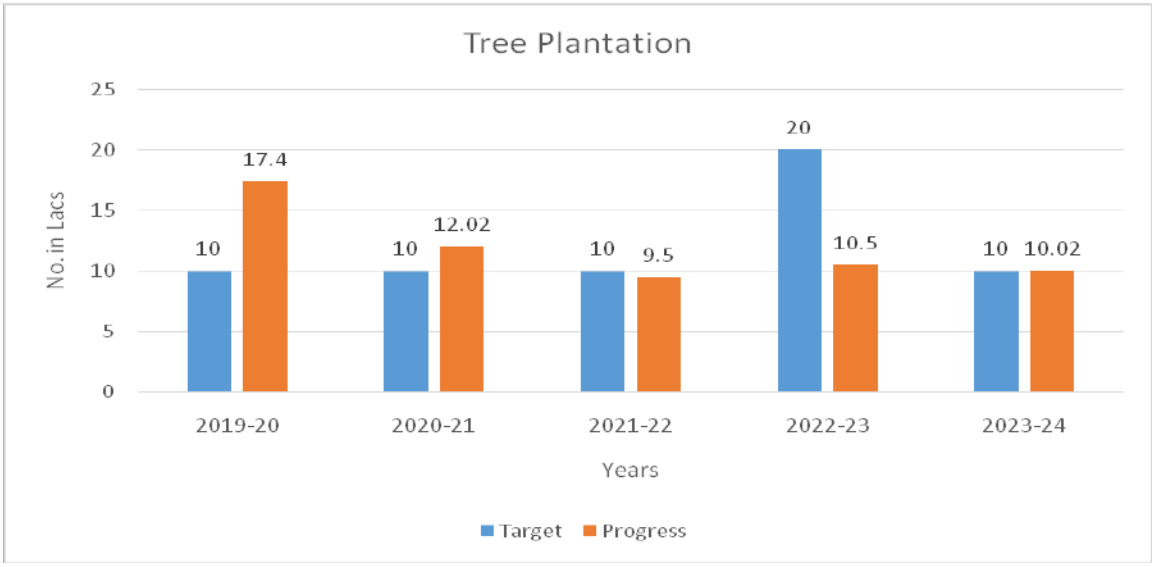


Fig. 9

B) Position of Encroachments on Northern Railway For 2023-24:-

Total no. of Encroachments as on 31.3.2023	Total no. of Encroachments		Total no. of Encroachments as on 31.3.2024	Total no. of cases pending with Estate officers on 31-03-2023	No. of cases filed during the Year	No. of cases decided during the Year	Total no. of cases pending with Estate Officers as on 31.3.2024
	Added	Removed					
42036	0	49	41987	2794	432	116	3110

C) Position of Licensing Agreement 2023-24

	Item	Total no of Cases	Total no of Agreement	Cases Executed
a)	G.M.F	286.00	286.00	286.00
b)	(i) Railway Employees	185	185	127
	(ii) Outsiders			
	Commercial Plots Including Vending of Commercial Dept.			
c)	Engg. Plots			

d)	Shopping Flats (Engg. Deptt)			

D) Earnings:-

(Figures in Crores of Rupees)

S.N.	Description	Target 2023-24	Actual earnings for the last three years		
			2021-22	2022-23	2023-24
1.	Licensing of land to CONCOR	503	270.17	272.82	298.82
2	Licensing of land to oil companies		1.29	1.34	1.07
3	Licensing of land for ordinary commercial plots		1.21	1.75	0.54
4	Licensing of land for Pvt. siding		35.34	33.72	29.38
5	Way leave facilities licensing		31.84	20.91	22.15
6	Lease to Govt. Deptt./ DMRC		14.57	56.11	11.09
7	Govt./ Building licensing/ Defence		2.49	13.79	5.82
8	Other income received		2.39	99.09	421.75
	TOTAL	**503**	**359.30**	**499.53**	**790.62**

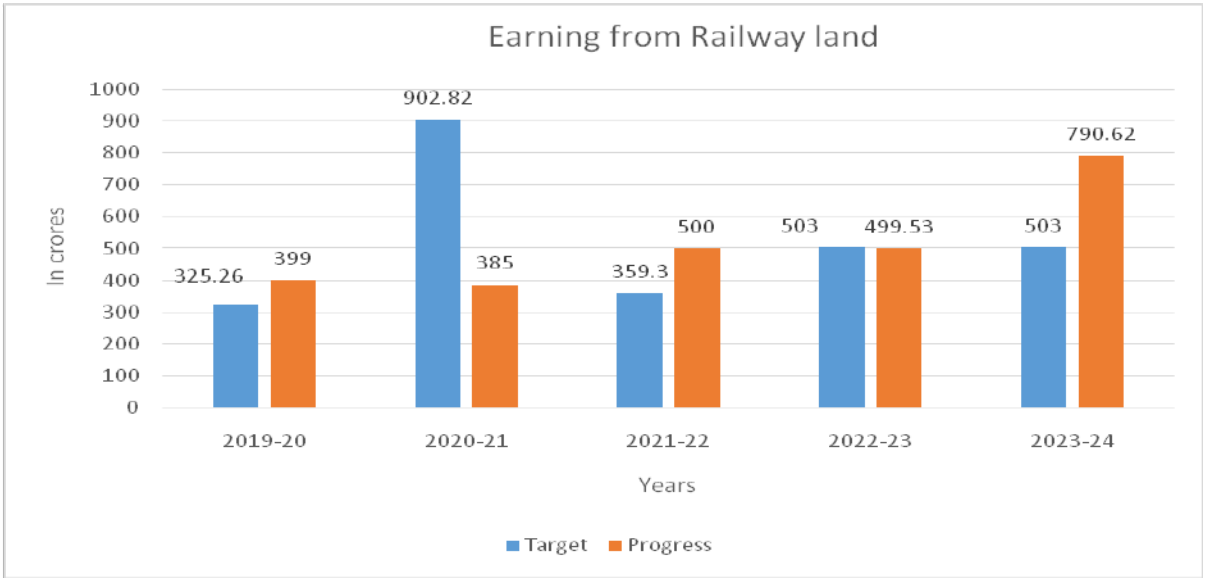


Fig. 10

E) Outstanding Dues (Rs. in Crore) 2023-24

SN.	Item	Position as on 31.03.2024	Accretion during the year (+)	Clearance during the Year (+)	Balance Outstanding dues as on 31.3.2024
1.	GMF:-				
	A) Railway Employees	16.39	42.81	54.29	4.91
	B) Outsiders.				
	C). State Govt.				
2.	Temporary Comml. Licensing.				
3.	Outstanding Dues of Oil Companies/Govt. Depts.	855.82	573.496	897.236	532.08

F) Land Holding 2023-24 (In Hectares):-

Total Land Area at the Beginning of the year.	Area of Land acquired during the year.	Area of land relinquished during the year.	Balance area at the end of the year.	Area of Land under Active Use				Area of Land Lying vacant.	Rly. on Use
				Affore-station	Commercial Licensing	G.M.F	Any Other Use.		
45517.99	330.764	0	45848.754	6495.362	347.31	720.42	1729.105	11622.018	24934.539

G) Land Holding under different Heads

S. No.	Item	Area in Hectares. As on 31.03.2024
1.	Track and structure	24934.539
2.	Under Afforestation	6495.362
3.	Commercial Licensing.	347.31
4.	Under pisciculture	40.97

5.	Under Encroachment	154.108
6.	Vacant land.	16622.018
7.	Under long term lease	119.516
8.	Under KVS/Other Schools	14.246
9.	Under religious structure	11.95
10.	Under CONCOR	90.673
11.	Under RLDA	236.772
12	Under DFCCL	1060.87
13	Under GMF Scheme	720.42
	Total	**45848.754**

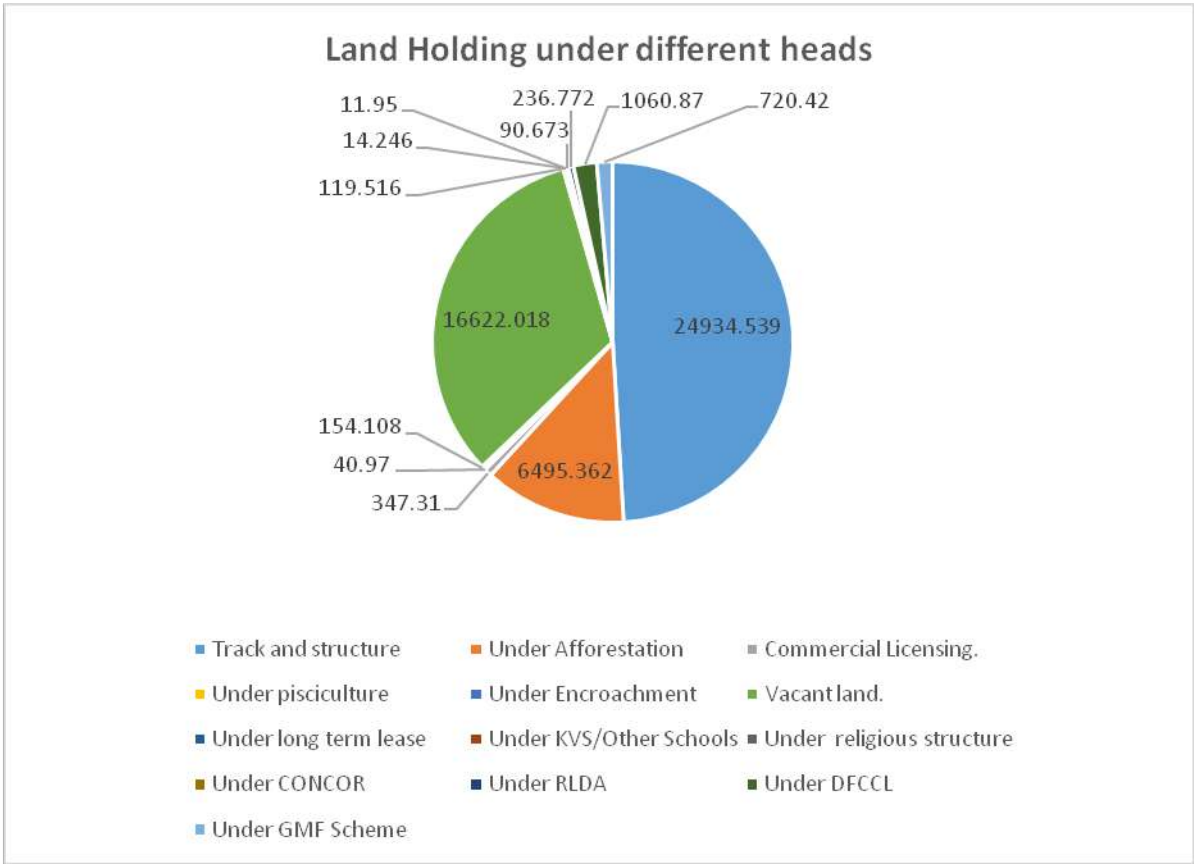


Fig.11

H) Details of Civil Engineering Assets (Other Than P. Way) (As On 31.03.2024)

Name of Rly.	Plinth area of service bldgs. (Sqm.)	Plinth area of reside-ntial bldgs. (Sqm.)	Linear water way of bridges (Metres)				Length of over/ under bridges (Metres)			
			Impor-tant	Major	Minor	Total	FOB	ROB	RUB	Total
1	2	,3	4	5	6	7	8	9	10	11
N. Rly	2920892.25	5320506.95	32461	67379	37377	137217	1656	1620	870	4146

Tonnes of steel girder bridges (MT)	Tonnes of steel structure other than bridges. (MT)	No. of water pumping points	No. of Sewerage treatment points	No. of ballast Sidings
12	**13**	**14**	**15**	**16**
7067	1528	646	11	20

5.3.4 Yearly Performance of Engineering Department

SN	Item No.	Target	Performance					Best Ever	
		for 2023-24	2019-20	2020-21	2021-22	2022-23	2023-24	Figure	Year
1	**Earnings from Railway Land (Crore of Rs.)**	**503**	325.26	902.82	359.30	499.53	790.62	902.82	2020-21
2	**Production of MBC Sleepers (Nos.)**	**989395**	669644	702556	1332222	8589992	1126402	1332222	2021-22
3	**Production of T/o Sleepers (Sets)**	**876**	225	303	210	534	1195	1195	2023-24
4	**Ballasting (Lac CUM)**	**16.03**	11.92	7.92	8.73	10.09	8.56	11.92	2019-20
5	**Track Renewal (CTR unit)**	**787.5**	631.05	596.70	526.18	705.12	765.00	765	2023-24

6	**Track recording by OMS-2000 (Kms.)**	**92665**	83826	144890	120165	94957	109956	144890	2020-21
7	**Tree Plantation (lacs)**	**20**	10.18	17.40	9.5	10.50	10	17.40	2019-20
8	**Replacement of Girder with RCC/ PSC slabs (nos).**	**12**	34	4	10	01	03	34	2018-19
9	**Steel Fabrication in Bridge Workshops (MT)**	**8300**	6053	7475	6430	8595	11178.1	11178.1	2023-24
10	**Production of FWP(Nos.)**	**7500**	34880	35340	13658	10308	5592	35340	2020-21

5.5 NEW CONSTRUCTION & ENGINEERING WORKS

5.5.1 NEW LINES

(A) New Lines Completed during the year 2023-24

S.No.	Project name	Name of Section	Gauge	Length (Km)	Month of Commissioning
1.	Rohtak- Meham- Hansi **NL**	Meham - Garhi	BG	24	Aug'23
2.	Rohtak- Meham- Hansi **NL**	Garhi- Hansi	BG	12	Sep'23
		Total		**36**	

(B) (i) Sanctioned during the year 2023-24

S.No.	Section	Gauge	Length (Km)	Month of Commissioning
NIL				

(ii) Under Construction during 2023-24

S.No.	Name of Project	Estimated cost (In Cr. of Rs.)		Gauge	Length (Kms)	% age of Physical Progress
1	Nangal Dam- Talwara (83.74)- New BG Line and taking over siding Mukerian-Talwara (29.16 km)	2018		BG	122.57	54
2	Rewari- Rohtak	1001.71	Rewari-Rohtak-686 cr.	BG	81.26	100
	Elevated BG line on Rohtak-Gohana-Panipat Section		Elevated BG line-315.71 cr.	BG	4.85	90
3	Jind Sonipat	7134		BG	88.9	98
4	Chandigarh- Baddi	1540		BG	30.3	4
5	Deoband (Muzaffar Nagar)-Roorkee	1053		BG	27.45	88
6	Firozpur- Patti	300		BG	25.72	0

(iii) Frozen Works / Awaiting requisite approval from MoR-

S.No.	Name of Project	Estimated cost (In Cr. of Rs.)	Gauge	Length (Kms)	% age of Physical Progress
1	Qadian – Beas	842	BG	39.68	0
2	Unchahar- Amethi	380	BG	66	0
3	Delhi- Sohna- Nuh- Firozpur-Jhirka- Alwar	1249	BG	104	0
4	Yamuna Nagar- Chandigarh via Sadhaura, Narayangarh	901	BG	91	0
5	Faizabad- Lalganj via Akbarganj, Maharajganj and Raebareli	654	BG	116	0
6	Hisar-Sirsa via Agroha and Fatehabad	400	BG	93	0
7	Meerut - Panipat	2200	BG	104	0
8	Rajpura –Mohali	406	BG	24	0
9	Una- Hamirpur	3361	BG	41	0
10	Hardoi to Gursahaiganj	1302	BG	59	0

(iv) Survey sanctioned and carried out during the year 2023-24

S.No.	Name of work as per Rly's blue book/ Rly. Bd's letter	Survey Cost/Project Cost (In Crores)	Progress % age
1	FLS Survey for new Line between Jind-Panipat Bye pass Line.	498.87 (Project Cost)	Progress-100%
2	FLS Survey for 3rd Line between Bareilly-Roza.	805.57 (Project Cost)	Progress-100%
3	FLS Survey for Doubling between Moradabad-Chandausi.	459.12 (Project Cost)	Progress-100%

4	PET Survey for new line between 7 Nos. of Flyovers at Brar square, Moradabad, Unchahar, Lucknow-Manak nagar-Sitapur, Anand Vihar-Ghaziabad & Jakhal	**Project Cost** Brarsqare-3563.99, Moradabad-1552.24, Unchahar-438.98, Lucknow - Manak nagar-1479.45, Sitapur-1535. 45, Anand Vihar Ghaziabad-6021.32, Jhakhal-976.01	Progress -100%
5	RET New Line Una Himachal – Hoshiarpur	1970.97 (Project Cost)	Progress-100%
6	PET doubling Amritsar -Pathankot doubling	1156.395 (Project Cost)	Progress-100%
7	PET Chord line at Asthalbohar for going to Rewari from SSB without reversal.	127.02 (Project Cost)	Progress-100%
8	PET Chord line at Balamau for direct movement from Unnao to Moradabad.	124.44 (Project Cost)	Progress-100%
9	PET 8nos Byepass at Roza, Bhatinda, Ambala, Saharanpur, Jakhal, Holambikalan, Shahganj and Jaunpur.	Project Cost- Roza(Chord line at Balamau)-51.73, Bhatinda-564.34, Ambala-402.0023, Saharanpur-226.9844, Jakhal- Not feaseable, Holambikalan- Not feaseable, Shahganj- FLS of the same alignment has been sanctioned, Jaunpur-FLS for these alignment has been sanctioned.	Progress-100%
10	Material modification Raibareilly to Akbarganj and via Jagdishpur (Nihalganj).	2041.63 (Project Cost)	Progress-100%
11	RET New Line updating at Rahon to Samrala.	1278.75 (Project Cost)	Progress-100%
12	PET Doubling at Raiwala- Rishikesh.	147.07 (Project Cost)	Progress-100%
13	Updation New Line at Garhshankar - Sri Anandpur Sahib.	2054.78 (Project Cost)	Progress-100%
14	FLS Doubling at Panipat - Rohtak.	747.36 (Project Cost)	Progress-100%

15	FLS Doubling at Firozpur-Bhatinda and Jakhal - Hisar.	Project Cost- Firozpur-Bhatinda-738.0302, Jakhal - Hisar-669.9391	Progress-100%
16	FLS Doubling at Asthalbohar - Rewari.	689.75 (Project Cost)	Progress-100%
17	FLS New Line at Hardoi - Gursahaiganj via Sandi.	1339.92 (Project Cost)	Progress-100%
18	FLS New Line at Bypass between Rishikesh- Doiwala at Raiwala.	287.81 (Project Cost)	Progress-100%
19	PET New Line at Jagadhari to Poanta Sahib.	1446.85 (Project Cost)	Progress-100%
20	Haridwar - Raiwala.	Project Cost- Alt1- 571.88 with land, Alt-2-238.67 without land	Progress-100%
21	Nemisharnaya to Farukkabad via Hardoi.	2131.65 (Project Cost)	Progress-100%
22	FLS of New Line between Meerut - Panipat.	2310.99 (Project Cost)	Progress-100%
23	PET survey on New NG line between Una and Hamirpur (54 KM).	3360.64 (Project Cost)	Progress-100%
24	Doubling between Jaunpur-Zafarabad.	180.66 (Project Cost)	Progress-100%
25	3rd line between Delhi Kishan Ganj-Shakurbasti.	149.4971(Project Cost)	Progress-100%
26	Chord line connecting SIQ-ZBD- MAY by passing ZBD (Zafrabad Jn)	54.77(Project Cost)	Progress-100%.
27	3rd and 4th line between Manak nagar-Kanpur with Grade separated bypass at Kanpur Central Station.	0.92 (Survey cost)	Work in progress
28	Moradabad- 3rd and 4th line between Rosa- Moradabad.	3.01 (Survey cost)	Work in progress
29	Final location survey for Flyover at Roza.	2088 (Project cost)	Progress-100%.
30	Final location survey for Bypass at Saharanpur	995.14 (Project Cost)	Progress-100%.
31	3rd line between Shakurbasti- Rohtak.	1.16 (Survey cost)	Progress-95%

32	Meerut- Hastinapur- Bijnor	3377.77 (Project cost)	Progress-100%.
33	Chord line at Faridkot- Feroz Shah-Mallanwala Khas to avoid reversal at Firozpu (New Line)	0.82 (Survey cost)	Not feasible
34	Y-Connection at Ghari Harsaru to avoid reversal at Ghari Harsaru (New Line)	0.062 (Survey cost)	Progress-100%.
35	Doubling of Sirhind- Morinda Nangaldam Section	2.06 (Survey cost)	Progress-70%
36	Doubling of Phaphamau Bypass	43.7 (Project cost)	Progress-100%.
37	(FLS) Chord line connecting Aishbagh (NER) - Alamnagar (NR)	0.058 (Survey cost)	Work in progress
38	(FLS) Elevated Rail Corridor from Delhi to Jaipur via Rewari	44675 (Project Cost)	Progress-100%.
39	(FLS)Bhiwani-Rohtak-Panipat-Ambala/Shambhu- to be developed as feeder route of WDFC	4.64 (Survey cost)	55%
40	(FLS)Chord line between Tanda-Akabarpur-Katheri.	81.16 (Project cost)	100 %
41	(PET)New line between Mullanpur to Barnala via Raikot	1337.227(Project cost)	Work in progress
42	Doubling Palawal Prithala	0.1828 (Survey cost)	Work in progress
43	PET survey for new line between Ranital Railway Station to Jwalaji Nadaun, Hamirpur and Bilaspur	0.50 (Survey cost)	Work in progress

5.5.2 Construction Works

(A) Progress of Gauge Conversion works

Nil

(B) Doublings

(i) Doublings Completed during the year 2023-24

S.No.	Project Name	Name of Section	Length (Kms)	Month of Commissioning
1	Barabanki – Akbarpur **DL**	Sohawal- Rudauli	22	Apr'23
2	Barabanki – Akbarpur **DL**	Safdarganj - Rasauli	11	Jun'23

3	Barabanki – Akbarpur **DL**	Barabanki-Rasauli	7	Jan'24
4	Barabanki – Akbarpur **DL**	Rudauli- Patranga	16	Dec'23
5	Barabanki – Akbarpur **DL**	Patranga- Safdarganj	29	Jan'24
6	Barabanki – Akbarpur **DL**	Darshannagar- Ayodhya	4.8	Oct'23
7	Barabanki – Akbarpur **DL**	Ayodhya-Salarpur	15	Jan'24
8	Barabanki – Akbarpur **DL**	Salarpur-Sohawal	7	Dec'23
9	Jaunpur - Tanda(Akbarpur) **DL**	Shahganj- Tulsi Nagar	19	Dec'23
10	Jaunpur - Tanda(Akbarpur) **DL**	Tulsi Nagar- Jafarganj	17	Jan'24
11	Jaunpur - Tanda(Akbarpur) **DL**	Jafarganj- Akbarpur	8	Mar'24
12	AnandVihar- Tilak Bridge **3rd & 4th Line**	Anand Vihar yard (2 X 2.20 km)	4.4	May'23
13	Ludhiana- Mullanpur **DL**	Mullanpur- Baddowal	10	Feb' 24
14	Jaunpur City- Jaunpur Jn **Chord Line**	Jaunpur City- Jaunpur Jn	2.2	Oct'23
		Total	**172.4**	

(ii) Progress of Doubling Works

S.No.	Name of work	Length (Kms)	Estimated cost (Fig. in Cr. of Rs.)	% age of Physical progress
1	Mansa-Bhatinda (Phase-I), incl. new material modification for Rama Mandi (Raman) - SadaSinghwala via Talwandi Sabo - new line	29.11	424	60
2	Anand Vihar- Tilak Bridge – 3rd & 4th line	19.54	419	30
3	Meerut- Muzaffar Nagar- Patch doubling	55.47	471	99
4	Muzaffar Nagar-Tapri	51.53	449	98.5
5	Jaunpur – Tanda	77.25	1079	98
7	Ludhiana - Mullanpur	21	235	75

8	Ludhiana-Kila Raipur	19	238	45
9	Chipyana Buzurg-Ghaziabad - 4th line	1.55	25	5
10	Doubling between Jaunpur Jn-Zaffarabad	6.28	177	0
11	Dayabasti - Grade separator	3	196	63
12	Utretia-Zafrabad - Doubling of balance 148 km section with MMs for Rae Bareli - Akbarganj (46.9 km) & Sultanpur - Amethi (29.22 km) with new MM of Sultanpur - Kadipur - new lines	148	1581	60
13	Tughlakabad (Joint Cabin)-Palwal - 4th line	33.5	301	99
14	Barabanki - Akbarpur	161	1798	99
15	Janghai - Pratapgarh - Amethi	87	722	45
16	Barabanki-Malhaur - 3rd & 4th Line	32.84	407	20
17	Connectivity between Palwal (IR) & New Prithla (WDFC) (Umbrella work)	9.14	98	82
18	Construction of 3rd line between Varanasi-Shivpur	5.83	76.34	0
19	Chord line between Alal -Himmatana	12.52	174	0
20	Chord line connecting Mufti ganj (NER)- Jaunpur-Mahgawan by passing JaunpurJn (DL)	1.5	76	0
21	Bye pass line between Didarganj Road/Khanja Halt (NER) to Bilwai (NR) to avoid reversal at Shahganj Jn (DL)	5.7	137	0
22	Bye pass line at Ayodhya Dham	1.5	56	0

(iii) Frozen Works / Awaiting requisite approval from MoR

S.No.	Name of Project	Estimated cost (In Cr. of Rs.)	Gauge	Length (Kms)	% age of Physical Progress
1	Panipat - Rohtak	714	BG	71	0
2	Ferozepur- Bathinda and Jakhal - Hisar	1688	BG	169	0
3	Asthal Bohar-Rewari	752	BG	75	0

4	Delhi-Shamli-Tapri incl Saharanpur by-pass	1500	BG	175	0
5	Varanasi-Moradabad by passing Lucknow, with fly-over at Unnao	2000	BG	102	0
6	Bareilly - Chandausi - Aligarh	2226	BG	75.183 (BE-CH Section only)	0
7	Moradabad - Chandausi	440	BG	44	0
8	Phaphamau-Unnao via Kunda Harnamganj	8990	BG	184	0

(C) Progress of works under plan head "Workshops including Production units.

S.No.	Name of work	Original Cost	% age of Physical progress
1	New Delhi - Dismantling of existing pit lines and sewage system. Rebuilding of all the 3 WL with proper pits and sewage arrangements at STB Complex etc. Construction of covered shed with provision of EOT gantry at sick line, Firozpur. Up-gradation of 26-coach length washing line, Varanasi	15.69	60%
2	Dehradun - Provision of loco outpit	3.76	30%
3	Kalka - Extension of broad gauge washing line No.5 & 6 towards diesel shed end by 100 m	6.34	90%
4	Bareilly (Carriage & Wagon Depot) - Covered shed with EOT crane incl AC maintenance shed	20.14	20%
5	Upgradation of maintenance infrastructure at Amritsar into Vande-Bharat Chair Car Maintenance Depot	61.77	0%
6	NDLS Upgradation of maintenance facilities including provision of covered shed on DLT-W/L Nos. 3, 4 & 5, RAJ-W/L Nos. 9 & 10	56.53	0%
7	BWS.NO. - Upgradation/ Development of Maintenance Infrastructure as VBE Maint. Depot Incl. provision for M&P and Training Facilities etc.	254	0%
8	Upgradation of Coaching Depot, Hazrat Nizammudin to	37.92	2%

	STAR DEPOT		
9	ANVT Upgradation of maintenance facilities including provision of covered shed on Washing Cum Pit-lines	60.03	0%
10	Anand Vihar Setting up of Train set Depot for Maintenance of Vande-Bharat Sleeper Trains in compliance of WTA-527 at Anand Vihar (N.R.)	167	0%
11	Lucknow - Setting up of main line electrical multiple unit car shed (10 rakes)	23.83	3%
12	Bareli - 26-coach washing & sick line facilities (one each)	12.47	50%
13	Shakurbasti (Diesel Shed) - Augmentation of homing capacity for WDM2 locos (50 Nos)	22.86	100%
14	Faizabad - Construction of 26 coach length washing line	5.48	97%
15	Ambala Cantt, Khan Alampura Joint Goods Yard, Moradabad, Ghaziabad, Tughlakabad & Shakurbasti - Improvement in existing infrastructure for freight train examination.	26.89	45%
16	LKO(CBW) - Creation of facility for sub assembly overhauling for ELPOH shop inside the Workshop.	7.73	0%
17	SSB - Upgradation/ Development of Maintenance Infrastructure as VBE Maint. Depot Incl. provision for M&P and Training Facilities etc.	258	0%
18	AYODHYA CANTT Development of Universal Coaching Maintenance Facility at Ayodhya Cantt (AYC) Station	67.87	0%

5.5.3 Progress of works under plan head “Traffic Facilities”

S.No.	Name of Work	Original Cost (in Cr.)	%of Physical Progress
1	Anand Vihar - Development of new terminal	84.95	100%
2	Bijwasan - Land acquisition for development of freight & coaching terminal	85.35	90%
3	Lucknow Division - Augmentation of loop line to standard length (12 stations)	6.44	100%
4	Haridwar-Dehradun - Development of facilities for running 18-coach trains	41.24	100%
5	Lucknow Division- Addl loops (5 stations)	9.55	100%

6	Moradabad Division- Addl. directional up / down loops (5 stations)	11.31	75%
7	Bijwasan- Coaching/freight handling terminal	63.46	61%
8	Lucknow- Saharanpur- Addl directional up & down loops (17 Nos)	52.01	75%
9	Anand Vihar- Development of new coaching terminal (Phase-II)	95.46	100%
10	Prayag Ghat- Upgradation as coaching terminal	52.95	100%
11	Kalka- Yard remodeling for addl. broad gauge platform with provision of central panel	5.34	100%
12	Holambi Kalan- Addl acquisition of land & development of world class freight terminal	848	75%
13	Chheharta- Development of coaching cum maintenance facilities	68.68	100%
14	Gotra & Alwalpur Idrispur - Crossing station	40	0%
15	Mughalsarai- Lucknow - Moradabad - Ambala - Jalandhar - Amritsar (1150 km) - Longer loops	188	70%
16	Bari Brahman- Development of satellite of freight goods terminal	59.96	100%
17	Jammu - Second entry in c/w development of coaching terminal	181	25%
18	Chhan Arorian- Goods handling line with covered goods shed and cement handling facility	17.54	22%
19	Gharyala- New block station with shifting of goods traffic of Patti	21.87	20%
20	Ghaziabad- Connectivity of 3rd line CYZ-GZB with 4th line of GZB-SBB	4.63	0%
21	Shakurbasti - Coaching terminal in meter gauge area	114	64%
22	Asaoti- Addition & alteration i/c/w provision of High rise OHE at Asaoti/Piyala station and merger of DFCCIL western corridor at Asaoti yard.	31.11	25%
23	Lucknow - 4-line entry & exit with yard remodeling	34.98	30%
24	Varanasi - Yard remodeling	45	100%
25	Varanasi - Yard remodeling work (Phase-II)	277	98%
26	Pratapgarh - Yard remodeling	38.07	100%

27	Raebareli - Yard remodelling	38.08	98%
28	Manak Nagar - Addl loop	50.11	90%
29	Salarpur - Development as freight terminal station	136	98%

5.5.4 Work Completed During 2023-24

(A) New Line Commissioned during 2023-24 (36 km)

- **New line Commissioning of Meham-Garhi (24 km) section.**

Chief Commissioner of Railway Safety, Northern Circle carried out inspection of New line work between **Meham- Garhi (24 km) section** on 12.08.2023. After inspection, the Commissioner of Railway Safety authorized Railway for running passenger trains at a speed of 100 kmph. Speed trial was done at 122 Kmph.

- **New line Commissioning of Garhi-Hansi (12 km) section.**

Chief Commissioner of Railway Safety, Northern Circle carried out inspection of New line work between **Garhi-Hansi (12 km) section** on 28.09.2023. After inspection, Commissioner of Railway Safety authorized Railway for running passenger trains at a speed of 100 Kmph. Speed trial was done at 118 Kmph.

(B) Doubling commissioned during 2023-24 (172.4 km)

- **Commissioning of Sohawal- Rudauli (22 km) section**

Chief Commissioner of Railway Safety, Northern Circle carried out inspection of Doubling work between **Sohawal-Rudauli (22 km) section** on 10.04.2023. After inspection, Commissioner of Railway Safety authorized Railway for running passenger trains at a speed of 100 Kmph. Speed trial was done at 122 Kmph.

- **Commissioning of Doubling Jafarganj-Akbarpur (8 km) section.**

Chief Commissioner of Railway Safety, Northern Circle carried out inspection of Doubling work between **Jafarganj-Akbarpur (8 km) section on 22.03.2024.** After inspection, Commissioner of Railway Safety authorized Railway for running passenger trains at a speed of 100 Kmph. Speed trial was done at 128 Kmph.

- **Commissioning of Doubling Barabanki-Rasuali (7 km) section.**

Chief Commissioner of Railway Safety, Northern Circle carried out inspection of Doubling work between **Barabanki - Rasuali (7 km) section on 15.1.2024.** After inspection, Commissioner of Railway Safety authorized Railway for running passenger trains at a speed of 100 Kmph. Speed trial was done at 125 Kmph.

- **Commissioning of Doubling Tulsi Nagar-Jafarganj (17km) section.**

Chief Commissioner of Railway Safety, Northern Circle carried out inspection of Doubling work between **Tulsi Nagar-Jafarganj (17 km) section on 21.1.2024.** After inspection, Commissioner of Railway Safety authorized Railway for running passenger trains at a speed of 100 Kmph. Speed trial was done at 115 Kmph.

- **Commissioning of Doubling Patranga-Safdarganj (29 km) section.**

Chief Commissioner of Railway Safety, Northern Circle carried out inspection of Doubling work between **Patranga-Safdarganj (29 km) section on 24.1.2024.** After inspection, Commissioner of Railway Safety authorized Railway for running passenger trains at a speed of 100 Kmph. Speed trial was done at 125 Kmph.

- **Commissioning of Doubling Ayodhya Dam- Salarpur (15 km) section.**

Chief Commissioner of Railway Safety, Northern Circle carried out inspection of Doubling work between **Ayodhya Dam - Salarpur (15 km) section on 16.1.2024.** After inspection, Commissioner of Railway Safety authorized Railway for running passenger trains at a speed of 90 Kmph. Speed trial was done at 121 Kmph.

- **Commissioning of AnandVihar yard (4.4 km) section**

With minor sanction of Chief Commissioner of Railway Safety, Northern Circle doubling work of **Anand Vihar yard(4.4 km)** on **24.5.2023** in connection with 3rd - 4th line work between Anand Vihar- Tilak Bridge section was commissioned.

- **Commissioning of Doubling Ayodhya - Darshannagar (4.80 km) section.**

Chief Commissioner of Railway Safety, Northern Circle carried out inspection of Doubling work between **Ayodhya - Darshannagar (4.80 km) section on 31.10.2023.** After inspection, Commissioner of Railway Safety authorized Railway for running passenger trains at a speed of 100 Kmph. Speed trial was done at 110 Kmph.

- **Commissioning of Doubling Sohawal - Salarpur (7 km) section.**

Chief Commissioner of Railway Safety, Northern Circle carried out inspection of Doubling work between **Sohawal - Salarpur (7 km) section on 28.12.2023.** After inspection, Commissioner of Railway Safety authorized Railway for running passenger trains at a speed of 100 Kmph. Speed trial was done at 122 Kmph.

- **Commissioning of Doubling Shahganj –Tulsi Nagar (19 km) section.**

Chief Commissioner of Railway Safety, Northern Circle carried out inspection of Doubling work between **Shahganj –Tulsi Nagar (19 km) section on 17.12.2023.** After inspection, Commissioner of Railway Safety authorized Railway for running passenger trains at a speed of 100 Kmph. Speed trial was done at 121 Kmph.

- **Commissioning of Doubling Patranga-Rudauli (16 km) section.**

Chief Commissioner of Railway Safety, Northern Circle carried out inspection of Doubling work between **Patranga-Rudauli (16 km) section on 11.12.2023.** After inspection, Commissioner of Railway Safety authorized Railway for running passenger trains at a speed of 100 Kmph. Speed trial was done at 125 Kmph.

- **Commissioning of Rasauli-Safdarganj (11 km) section**

Chief Commissioner of Railway Safety, Northern Circle carried out inspection of Doubling work between **Rasauli - Safdarganj (11 km) section on 28.6.2023.** After inspection, Commissioner of Railway Safety authorized Railway for running passenger trains at a speed of 100 Kmph. Speed trial was done at 122 Kmph.

- **Commissioning of Doubling Mullanpur-Baddowal (10km) section.**

Chief Commissioner of Railway Safety, Northern Circle carried out inspection of Doubling work between Mullanpur-Baddowal (10km) section on 12.02.2024. After inspection, Commissioner of Railway Safety authorized Railway for running passenger trains at a speed of 100 Kmph. Speed trial was done at 128 Kmph.

- **Commissioning of Doubling Jaunpur city- JaunpurJn chord line (2.20 km) section.**

Chief Commissioner of Railway Safety, Northern Circle carried out inspection of Doubling work between Jaunpur city-JaunpurJn chord line (2.20 km) section on 27.10.2023. After inspection, Commissioner of Railway Safety authorized Railway for running passenger trains at a speed of 65 Kmph. Speed trial was done at 75 Kmph.

(C) Status of ROB/RUB/LHS works completed in current financial year-

- **Commissioning of ROB in lieu of LC No.323 on Pathankot- Joginder section.**

Work of Construction of ROB in lieu of LC No. 323 on Pathankot- Joginder section was sanctioned in 2017-18. The work comprised of single spans of 18.30 m of steel composite girder. The work has been commissioned during the FY 2023-24.

- **Completion of 4 lane ROB at railway at km 1037/38-40 on BKKS-UTR station on LKO-SLN**

Work of Construction of 4 lane ROB at railway at km 1037/38-40 on BKKS-UTR station on LKO-SLN section was sanctioned in 2010-11. The work comprised of single span of 36 m of steel composite girder. The work has been completed and Railway portion during the FY 2023-24.

- **Completion of ROB at at km 1497/4-6 on DLI-RE section.**

Work of LC No. 58 on DLI-UMB at Babarpur Kachroli section was sanctioned in 2021-22. The work comprised of spans 1x24 m +1x36 m of steel composite girder. The work has been completed in Railway portion during the FY 2023-24.

- **Commissioning of RUB at** LC No. 58 on DLI-UMB at BabarpurKachroli section**.**

Work of Construction of RUB at LC No. 58 on DLI-UMB at Babarpur Kachroli section was sanctioned in 2013-14.The work comprised of Box size 8.50 m of 5.90 m stander steel composite girder. The work has been commissioned during the FY 2023-24.

- **Commissioning of ROB at km 371.560 on LDH-JUC section at Railway station Dhandhari Kalan.**

Work of Construction of ROB at km 371.560 on LDH-JUC section at Railway station Dhandhari Kalan was sanctioned in 2021-22(NHAI Work). The work comprised of one span of 60 m of Bow string girder. The work has been commissioned during the FY 2023-24.

- **Completion of ROB in lieu of LC No. B-92 at km 107/13-14 (NH-503 Extn.) on SIR-AADR section between Naya Nagal and Una-Himachal Railway station near Rly. Station Naya Nangal**

Work of Construction of ROB in lieu of LC No. B-92 at km 107/13-14 (NH-503 Extn.) on SIR-AASR section between Naya Nagal and Una-Himachal Railway station near Rly. Station Naya Nangal was sanctioned in 2017-18. The work comprised of single spans of 48 m of Bow string girder. The work has been commissioned during the FY 2023-24.

- **Completion of ROB at Rly. Km 56.22 on Balamau-Sitapur section.**

Work of Construction of ROB at Rly. Km 56.22 on Sitapur bye pass on Balamau-Sitapur section (NHAI work) was sanctioned in 2011-12. The work comprised of single span of 43.815 m of steel composite girder. The work has been completed and Railway portion during the FY 2023-24.

- **Completion of ROB in lieu of LC No**. 4 **on Lahartara.**

Work of Construction of ROB in lieu of LC No. 4 on Lahartara was sanctioned in 2014-15. The work comprised of single spans of 60 m of Bow string girder. The work has been commissioned during the FY 2023-24.

- **Completion of ROB in lieu of LC No.** A-2 **at km 2/7-9 between JRC-SCPD on JRC-PTK section under ADEN/JRC.**

Work of Construction of ROB in lieu of LC No. A-2 at km 2/7-9 between JRC-SCPD on JRC-PTK section under ADEN/JRC was sanctioned in 2019-20. The work comprised of single spans of 30 m of Bow string girder. The work has been completed during the FY 2023-24.

- **Completion of ROB at km 1035/2-1035/6 between Anupganj (APJ) and Bakkas (BKKS) station near Bakkas (BKKS) station on LKO-SLN section.**

Work of Construction of ROB at km 1035/2-1035/6 between Anupganj (APJ) and Bakkas (BKKS) station near Bakkas (BKKS) station on LKO-SLN section (Deposit work) was sanctioned in 2019-20. The work comprised of single spans of 61 m of Bow string girder. The work has been commissioned during the FY 2023-24.

- **Completion of ROB at LC No. 318/A near Rosa station on Moradabad-Lucknow.**

Work of Construction of ROB at LC No. 318/A near Rosa station on Moradabad-Lucknow (NHAI work) was sanctioned in 2011-12. The work comprised of Two span of 1x53.58 m (C.S.G) composite steel girder + 1x15.328 m RCC slab. The work has been commissioned during the FY 2023-24.

- **Completion of ROB at km 37/3-4 on DLI-RE section (Dwarka Expressway).**

Work of Construction of ROB at km 37/3-4 on DLI-RE section (Dwarka Expressway) (NHAI work)was sanctioned in 2018-19. The work comprised of 4 span of composite steel girder (1x46.00 m + 2x36.00 m+ 1x26.00 m) The work has been completed and commissioned during the FY 2023-24.

- **Completion of ROB at km 90.30 on DSA-SMQL-SRE section.**

Work of Construction of ROB at km 90.30 on DSA-SMQL-SRE section (NHAI work)was sanctioned in 2019-20. The work comprised of single span of 36 m of steel composite girder. The work has been completed during the FY 2023-24.

- **Completion of ROB in lieu of LC No. 16 near Babatpur station at km 791/1-2 on Faizabad-Varanasi.**

Work for Construction of **ROB in lieu of LC No**. 16 near Babatpur station at km 791/1-2 on Faizabad-Varanasi was sanctioned in 2016-17. The work comprised of single spans of 42 m of Bow string girder. The work has been completed during the FY 2023-24.

- **Completion of 2 lane ROB at km 68.110 Rohtak- Meham -Hasi section.**

Work for Construction of 2 lane ROB at km 68.110 Rohtak- Meham -Hasi section was sanctioned in 2021-22. It is constructed with composite steel girder having 53.834 m span. The ROB has been completed during the FY 2023-24.

- **Completion of ROB at km 61/1-2 (LC No. 35-B) & NH km 137/625 on NH-56 on ALD-SLN section near sultanpur station.**

Work for Construction of ROB at km 61/1-2 (LC No. 35-B) & NH km 137/625 on NH-56 on ALD-SLN section near sultanpur station(NHAI work) was sanctioned in 2011-12. The work comprised of single spans of 61 m of Bow string girder. The work has been commissioned during the FY 2023-24.

- **Completion of 2 lane of ROB at level crossing No.B-60 on Rohtak Section.**

Work for Construction of **2 lane of ROB at level crossing No.B-60 on Rohtak Section** was sanctioned in 2019-20. The work comprised of single spans of 1x 76.50 c/c Bow string girder. The work has been completed during the FY 2023-24.

- **Completion of ROB in lieu of LC No. 300 in SPN-LKO section under ADEN/SPN between Anjihi-Shahbad.**

Work for Construction of **ROB in lieu of LC No. 300 in SPN-LKO section under ADEN/SPN between Anjihi – Shahbad** was sanctioned in 2016-17. It is constructed with composite steel girder having 1x42.7 m span. The ROB has been completed during the FY 2023-24.

- **Completion of ROB at km 07/0-01 on Ludhiana –Dhuri section near Railway station Ludhiana (Deposit)**

Work for Construction **of ROB at km 07/0-01 on Ludhiana –Dhuri section near Railway station Ludhiana (Deposit)** was sanctioned in 2017-18. The work comprised of single spans of 48 m of Bow string girder. The work has been completed during the FY 2023-24.

- **Completion of RUB** at LC no. SPL.52/E-3 at km 70.051 on ASR-PTK section near Railway station Gurdaspur.

Work for Construction of **RUB at LC no. SPL.52/E-3 at km 70.051 on ASR-PTK section near Railway station Gurdaspur w**as sanctioned in 2011-12. The work comprised of spans 2x 6m x4m size RUB has been commissioned during the FY 2023-24.

- **Completion of 04 lane ROB on LC No.-5-C on BSB-ZDB section.**

Work for Construction of 04 lane ROB on LC No.-5-C on BSB-ZDB section was sanctioned in 2017-18. The work comprised of single spans of 1x 54.0 m c/c Bow string girder. The work has been commissioned during the FY 2023-24.

- **Completion of ROB in lieu of LC Nos. 88 at Km 104/15-16 on NLDM-AADR section of UMB division.**

Work for Construction of ROB in lieu of LC Nos. 88 at Km 104/15-16 on NLDM-AADR section was sanctioned in 2016-17. It is constructed with composite steel girder having 03 span (1x25 m + 1x31.2 m + 1x25 m). It is an open foundation.

- **Completion of ROB in lieu of LC No. C-60 at Km 82.51 on ASR-PTK section near Railway station Dina Nagar.**

Work for Construction of ROB in lieu of LC No. C-60 at Km 82.51 on ASR-PTK section was sanctioned in 2018-19. The ROB is constructed with composite steel girder having span arrangement 3x36.0 m + 1x18.0 m. The work has been completed during the FY 2023-24.

- **Completion of 6-lane ROB at railway km 83/995 between Bijnor & Kiratpur station on Meerut –Nazibabad section.**

Work for Construction of 6-lane ROB at railway km 83/995 between Bijnor & Kiratpur station was sanctioned in 2019-20. The ROB is constructed with composite steel girder having span arrangement 1x36. m completed during the FY 2023-24.

- **Completion of ROB at km 24.140 on Jind-Panipat section near Railway Station PilluKhera.**

Work for Construction of **ROB at km 24.140 on Jind - Panipat section near Railway Station Pillu Khera** was sanctioned in 2021-22. This consists of composite steel girders having 01 span of 25.08 m on Railway portion. The work has been completed during the FY 2023-24..

- **Completion of ROBs at km 12/13-12/16 on Lucknow-Kanpur section near Amausi station.**

Work for Construction of ROBs at km 12/13-12/16 on Lucknow-Kanpur section near Amausi station was sanctioned in 2020-21. This consists of Bow string girder having 01 span of 56 m. The work has been commissioned during the FY 2023-24.

- **Completion of ROBs at km 1051/1 & 1057/2 on LKO-UTR-RBL-CIL near Railway station Utratia.**

Work for Construction of ROB at km 1051/1 & 1057/2 on LKO-UTR-RBL-CIL near Railway station Utratia was sanctioned in 2020-21. This consists of composite steel girders having 01 span of 36 m. The work has been completed and commissioned during the FY 2023-24.

- **Completion of 4 lanes ROB's in lieu of LC Nos. 154 at km 331/13-15 on UMB-LDH section of UMB division.**

Work for Construction of 4 lanes ROB's in lieu of LC Nos. 154 at km 331/13-15 on UMB-LDH section of UMB division was sanctioned in 2016-17. This consists of composite steel girders having 01 span of 36.90 m on Railway portion. The work has been completed during the FY 2023-24.

- **Completion of ROB of LC No. 106 at km 225/21-23 on the Saharanpur-Ambala section.**

Work for Construction of ROB of LC No. 106 at km 225/21-23 on Saharanpur-Ambala section was sanctioned in 2014-15. This consists of Bow string girder having 54 m span on Railway portion. The work has been completed during the FY 2023-24.

- **Completion of ROB of LC No. 93 at km 80.409 on Ferozpur-Lohian Khas section.**

Work for Construction of ROB of LC No. 93 at km 80.409 on Ferozpur – Lohian Khas section was sanctioned in 2021-22. This consists of composite steel girders having 02 span (36 m & 30 m), 01 Bow string girder having span 60 m on Railway portion. The work has been completed during the FY 2023-24.

- **Completion of ROB at km 22.150 on DLI-UMB section near Railway station Holambi Kalan.**

Work for Construction of ROB at km 22.150 on DLI-UMB section near Railway station Holambi Kalan was sanctioned in 2019-20. This consists of composite steel girders having 06 span (5x 37.2 m + 1x 25 m) on Railway portion. The work has been completed during the FY 2023-24.

- **Completion of ROB at km 34.576 on Jind-Gohana section near Railway Station IsapurKheri.**

Work for Construction of **ROB at km 34.576 on Jind-Gohana section near Railway Station IsapurKheri** was sanctioned in 2021-22. This consists of composite steel girders having 03 spans (37.28 m ,15.0 m & 36.64 m) on Rly portion. The work has been completed during the FY 2023-24.

- **Completion of ROB at km 2/15-17 on New Delhi-Ghaziabad section.**

Work for Construction of **ROB at km 2/15-17 on New Delhi-Ghaziabad section** was sanctioned in 2021-22. This consists of composite steel girders having 05 spans (4x 37.2 m + 1x 31.2 m) on the Rly portion. The work has been completed during the FY 2023-24.

- **Completion of ROB at km 23.742 on Rohtak - Panipat section near Railway Station Bhamsswan.**

Work for Construction of ROB at km 23.742 on **Rohtak - Panipat section** near Railway Station Bhamsswan was sanctioned in 2021-22. This consists of composite steel girders having 01 span of 51.40 m. The work has been completed and commissioned during the FY 2023-24.

- **Completion of 6 lanes Urban Extension Road NH-344 m in the state of Delhi on ESP mode-Request to provide GAD of ROB at Railway km 21/800 to 22/500 on DLI-Panipat section near Holambi Kalan section.**

Work for Construction of 6 lanes Urban Extension Road NH-344 m in the state of Delhi on ESP mode-Request to provide GAD of ROB at Railway km 21/800 to 22/500 on **DLI-Panipat section near Holambi Kalan section was sanctioned in 2022-23.** This consists of composite steel girders having 05 span of 37.2 m & 01 span of 25 m on Railway portion. The work has been completed during the FY 2023-24.

- **Completion of ROB in lieu of LC No. 3-B at km 3/156 on Faizabad-Sultanpur section.**

Work for Construction of ROB in lieu of LC No. 3-B at km 3/156 on **Faizabad-Sultanpur section** was sanctioned in 2021-22. This consists of composite steel girders having 02 spans of 37.5 m on Railway portion. The work has been completed during the FY 2023-24.

- **Completion of ROB at km 129/13-14 on GZB-SRE section near BamanHeri railway station.**

Work for Construction of ROB at km 129/13-14 on **GZB-SRE section** near BamanHeri railway station was sanctioned in 2021-22. This consists of composite steel girders having 01 span 51.4 m on Railway portion. The work has been completed during the FY 2023-24.

- **Limited Height Subways Commissioned –**

1. At LC No. 83 on DLI-UMB.
2. At LC No. 49 on Utretia-Zafrabad.
3. At LC No. 97- A on SRE-UMB
4. At LC No. 112 on SRE-UMB
5. At LC No. 1C on Malhaur yard.
6. At LC No. 72 on Meerut Cantt.-Saharanpur.
7. At km 37.700 on Meham-Hansi.
8. At km 37.840 on Meham-Hansi.
9. At km 38.00 on Meham-Hansi.
10. At km 38.497 on Meham-Hansi.
11. At km 44.575 on Meham-Hansi.
12. At km 46.459 on Meham-Hansi.
13. At km 46.765 on Meham-Hansi.
14. At km 47.924 on Meham-Hansi.
15. At km 53.488 on Meham-Hansi.
16. At km 53.817 on Meham-Hansi.
17. At km 54.693 on Meham-Hansi.
18. At km 56.655 on Meham-Hansi.
19. At km 60.733 on Meham-Hansi.
20. At km 61.00 on Meham-Hansi.
21. At km 62.010 on Meham-Hansi.
22. At km 63.815 on Meham-Hansi.
23. At km 65.785 on Meham-Hansi.
24. At km 60.210 on Meham-Hansi.
25. At LC No.37 on JUC-NRO .
26. At km 40.042 on Meham-Hansi.
27. At km 41.295 on Meham-Hansi.
28. At km 41.455 on Meham-Hansi.
29. At km 41.643 on Meham-Hansi.
30. At km 42.115 on Meham-Hansi.
31. At km 43.683 on Meham-Hansi.
32. At km 45.108 on Meham-Hansi.
33. At km 46.134 on Meham-Hansi.
34. At km 47.208 on Meham-Hansi.
35. At km 48.528 on Meham-Hansi.
36. At km 48.738 on Meham-Hansi.
37. At km 49.245 on Meham-Hansi.
38. At km 49.600 on Meham-Hansi.
39. At km 50.153 on Meham-Hansi.
40. At km 51.096 on Meham-Hansi.
41. At km 51.595 on Meham-Hansi.
42. At km 52.160 on Meham-Hansi.
43. At km 53.012 on Meham-Hansi.
44. At km 53.300 on Meham-Hansi.
45. At km 54.935 on Meham-Hansi.
46. At km 55.990 on Meham-Hansi.
47. At km 57.095 on Meham-Hansi.
48. At km 58.463 on Meham-Hansi.

49. At LC No.C-36 on JUC-FZR .
50. At km 58.879 on Meham-Hansi.
51. At km 60.463 on Meham-Hansi.
52. At km 61.328 on Meham-Hansi.
53. At km 62.656 on Meham-Hansi.
54. At km 62.811 on Meham-Hansi.
55. At km 63.344 on Meham-Hansi.
56. At km 64.103 on Meham-Hansi.
57. At km 64.285 on Meham-Hansi.
58. At km 64.487 on Meham-Hansi.
59. At km 65.360 on Meham-Hansi.
60. At km 66.230 on Meham-Hansi.
61. At km 67.363 on Meham-Hansi.
62. At km 67.669 on Meham-Hansi.
63. At km 67.920 on Meham-Hansi.
64. LC No.44 on Delhi-Ambala .
65. LC No. 47 on Delhi-Ambala.
66. At Ch.417.969 on Jaunpur Jn.-Jaunpur city chord line.
67. At Ch.737.212 on Jaunpur Jn.-Jaunpur city chord line.
68. At LC No.100 on DLI-UMB.
69. At Br. No. 44A on DBB-RK section.
70. At Br. No. 46 on DBB-RK section.
71. At Br. No. 47 on DBB-RK section.
72. At Br. No. 48 on DBB-RK section.
73. At Br. No. 49 on DBB-RK section.
74. At Br. No. 50 on DBB-RK section.
75. At Br. No. 50A on DBB-RK section.
76. At Br. No. 51A on DBB-RK section.
77. At Br. No. 51B on DBB-RK section.
78. At Br. No. 53 on DBB-RK section.
79. At LC No.569 on TKD-PWL.
80. At Br. No. 22 on DBB-RK section.
81. At Br. No. 56 on DBB-RK section.
82. At Br. No. 57 on DBB-RK section.
83. At Br. No. 58 on DBB-RK section.
84. At Br. No. 59 on DBB-RK section.
85. At Br. No. 60 on DBB-RK section.
86. At Br. No. 60A on DBB-RK section.
87. At LC No.132 on LKO-SLN.
88. At Br. No. 02 on DBB-RK section.
89. At Br. No. 07 on DBB-RK section.
90. At Br. No. 10 A on DBB-RK section.
91. At Br. No. 15 on DBB-RK section.
92. At Br. No. 80 on DBB-RK section.
93. At Br. No. 67 on DBB-RK section.
94. At Br. No. 68 on DBB-RK section.
95. At Br. No. 69 on DBB-RK section.
96. At Br. No. 70 on DBB-RK section.
97. At Br. No. 71 on DBB-RK section.
98. At Br. No. 72 A on DBB-RK section.

99. At Br. No. 73 on DBB-RK section.
100. At Br. No. 74 on DBB-RK section.
101. At Br. No. 75 on DBB-RK section
102. At Br. No. 199A on DBB-RK section.
103. At Br. No. 2A on DBB-RK section.
104. At Br. No. 6A on DBB-RK section.
105. At Br. No. 9 on DBB-RK section.
106. At Br. No. 10B on DBB-RK section.
107. At Br. No. 11 on DBB-RK section.
108. At Br. No. 12 on DBB-RK section.
109. At Br. No. 12D on DBB-RK section.
110. At km 23/00-10 on DLI-RE section.
111. At Br. No.13 A on Deoband-Roorkee section
112. At Br. No.14A on Deoband-Roorkee section
113. At Br. No.14D on Deoband-Roorkee section
114. At Br. No.16 on Deoband-Roorkee section
115. At Br. No.17 on Deoband-Roorkee section
116. At Br. No.22B on Deoband-Roorkee section
117. At Br. No.23B on Deoband-Roorkee section

5.5.5 Traffic Facility Works –

Following traffic facility works have been completed during the year 2023-24 :

- Varanasi Yard remodeling (Phase-II) has been completed on 15.10.2023.
- Moradabad Division-Addl. Directional UP/DN loops (5 Stns) – Aigwan (Jul'23), Matlabpur (Oct'23), Agwanpur (Mar'24)
- Mughal Sarai – Lucknow – Moradabad – Ambala – Jalandhar – Amritsa longer loops (1150 km) – Rasuiya (1) (Apr'23).
- Lukhnow-Saharanpur Addl. Directional UP & DN loops at 17 Station – Chodiala (May'23) & Chakrajmal (Sep'23)
- Salarpur-Development as freight terminal station-PH-I has been completed in Jan'24

5.5.6 Status of FOB works completed in current financial year-

New line :

- 02 Nos. FOB Dobh Bahali, Meham & Morhra Madina have been completed.

Doubling :

- 04 Nos. FOB –Sohawal, Salarpur, Patranga & Rauzagaon has been completed.

- 02 FOB Mullanpur & Baddowal have been completed.

- 02 FOB at Jafarganj & Safdarganj station have been commissioned.

Customer Amenities :

- FOB at Vya S.No. agar on (Lucknow-Sultanpur-Varanasi - Raising of platforms for running of electrical multiple unit trains) has been completed**.**
- Nos. FOB –Tulsinagar and Bilwai have been completed.

5.5.7 Bridge Work-

NIL

5.5.8 Workshop-

- Shakurbasti (Diesel shed) –Augmentation of Homing Capacity for WDM2 locos (50 Nos.)

5.5.9 Staff Welfare –

- 54 units Type-V at Chanakyapuri have been completed Railway Officers Flats (Type-V: 100 units) Chanakyapuri.

5.5.10 Passenger Amenities-

- Alamnagar - Development / augmentation of passenger amenities and various other works (PF-I & Station Building)* has been commissioned on 17.07.23.

5.5.11 Other Specified Works-

NIL

5.5.12 Training Hrd-

NIL

5.5.13 Number of over and under bridges constructed in replacement of level crossing during 2023-24 - 31 nos. (list as under)

SN	Type of work	State	Description of work	Section	LC no.	ROB/RUB/LHS	Dy. CE/C	Div.
1	DP	HP	Construction of ROB in lieu of LC No. 323 at Km 143/1-2 on Pathankot-Joginder Nagar section near Railway station Baijnath Mandir Halt.	PTK-JDNX	323	ROB	JAT/D	FZR
2	CS-PB	HR	Delhi-Ambala - Road Under bridge at Babarpur Kachroli in lieu of level crossing No.58	DLI-UMB	58	RUB	CSB	DLI
3	RLY COST-PB	HR	Delhi-Ambala - Elimination of LC by LHS (LC no 83 & 85) (2 Nos.) (LHS NO. 83)	DLI-UMB	83	LHS	UMB	DLI
4	RLY COST-PB	HR	Saharanpur-Ambala - Road over bridge in lieu of level crossing Nos. 107 & 112 (2	SRE-UMB	112	LHS	UMB	UMB

			Nos.) (112 ONLY)					
5	RLY COST-PB	HR	Saharanpur-Ambala - Road over bridge in lieu of level crossing Nos.97A, 99 & 122 (3 Nos.) (ROB NO. 97-AONLY)	SRE-UMB	97-A	LHS	UMB	UMB
6	AW	UP	Construction of LHS in connection with Utretia-Zafrabad doubling (LHS No. 49)	UTR-ZBD	49	LHS	LKO-II	LKO
7	AW	UP	LHS in lieu of LC No. 1C at Malhaur Yard	Barabanki-Malhaur	1C	LHS	LKO-IV	LKO
8	RLY COST-PB	UP	Meerut Cantt-Saharanpur - Single lane RUB in lieu of LC's (13 No) (LHS NO 72 ONLY)	MTC-SRE	72	LHS	CSB-II	DLI
9	DP	PB	Construction of ROB in lieu of LC No. B-92 at Km 107/13-14 (NH-503, Extn.) on SIR-AADR section between Naya Nagal and Una-Himachal Railway station near Rly. Station Naya Nangal.	SIR-AADR	B-92	ROB	CDG-I	UMB
10	CS-PB	UP	Lahartara - ROB in lieu of crossing No. 4	Lahartara	4	ROB	BSB	LKO
11	CS-PB (UMB)	PB	Construction of ROB in lieu of LC No. A-2 at Km 2/7-9 be-tween JRC-SCPD on JRC-PTK section under ADEN/JRC	JRC-SCPD	A-2	ROB	JUC	FZR
12	NHAI	UP	Moradabad-Lucknow-Road over bridge in lieu of level crossing No. 318/A near Rosa station	MB-LKO	318/A	ROB	MB	MB
13	RLY	PB	FZR Divn: LHS at 37	JUC-NRO	37	LHS	JUC	FZR

	COST-PB		Nos. LC's (LHS NO 37 ONLY) (NRO)					
14	CS-PB	UP	Construction of ROB In lieu of L.C no.16 near Babatpur station at km 791/1-2 on Faizabad-Varanasi section.	FD-BSB	16	ROB	BSB	LKO
15	NHAI	UP	Construction of ROB at Km. 61/1-2 (LC-35-B) & NH Km. 137/625 on NH-56 on ALD-SLN section near Sultanpur station.	ALD-SLN	35-B	ROB	LKO-III	LKO
16	RLY COST-PB	PB	Constructing LHS of size 5m x 5m in lieu of level crossing no. C - 36 at km. 32/8-9 on JUC-FZR section	JUC-FZR	C-36	LHS	JUC	FZR
17	CS-PB	HR	Construction of LHS in lieu of LC No. 44 at Km 73/13-15 on Delhi-Ambala section near Samalkha	DLI-UMB	44	LHS	CSB	DLI
18	CS-PB	HR	Construction of LHS in lieu of LC No. 47 at Km 79/1-3 on Delhi-Ambala section near Diwana	DLI-UMB	47	LHS	CSB	DLI
19	CS-PB	HR	Rohtak-Road over bridge at level crossing No.B-60 (2 lane)	Rohtak	B-60	ROB	TKJ	DLI
20	CS-PB	UP	Construction of ROB In Lieu of LC No. 300 in SPN-LKO Section UNDER ADEN/SPN. Between Anjhi-Shahabad	SPN-LKO	300	ROB	MB	MB
21	DP	PB	Construction of Road Under Bridge at level crossing no. SPL-	ASR-PTK	SPL-52/E-3	RUB	JUC	FZR

			52/E-3 at Km 70.051 on ASR-PTK section near Railway Station Gurdaspur.					
22	CS-PB	UP	Construction of ROB on LC No.5-C on BSB-ZDB section	BSB-ZDB	5-C	ROB	BSB	LKO
23	DP	PB	Construction of ROB in lieu of LC Nos. 88 at Km 104/15-16 on NLDM-AADR section of UMB division	NLDM-AADR	88	ROB	CDG-I	UMB
24	DP	PB	Construction of ROB in lieu of LC No. C-60 at Km 82.251 on ASR-PTK section near Railway station Dina Nagar	ASR-PTK	C-60	ROB	JUC	FZR
25	RLY COST-PB	HR	Delhi-Ambala - Elimination of LC by LHS (LC No.90,92, 94,95,96 & 100) (6 Nos.) (LHS no. 100 Only)	DLI-UMB	100	LHS	UMB	DLI
26	RLY COST-PB	HR	Tuglakabad-Palwal-Subways in lieu of LC No. 567, 569,570,571 & 572 (5 Nos) (Only LHS No. 569)	TKD-PWL	569	LHS	SSB	DLI
27	RLY COST-PB	UP	LKO DIV: RUB/ LHS in lieu of L-Xings. (35 no.) (LHS no 132 ONLY)	LKO-SLN	132	LHS	LKO-III	LKO
28	CS-PB	PB	Construction of 4 lanes ROB's in lieu of LC Nos. 154 at Km 331/13-15 on UMB-LDH section of UMB division	UMB-LDH	154	ROB	CDG-II	UMB
29	CS-PB	HR	Saharanpur-Ambala-Road over Bridge in	SRE-UMB	106	ROB	UMB	UMB

			lieu of LC No. 106 at Km 225/21-23					
30	DP	PB	Construction of ROB in lieu of LC No. 93 at Km 80.409 on FZR-Lohian Khas section	FZR-LNK	93	ROB	JUC	FZR
31	DP	UP	Construction of ROB in lieu of LC no. 3-B At Km 3/156 on Faizabad- Sultanpur Section.	FD-SLN	3-B	ROB	LKO-II	LKO

यांत्रिकी

MECHANICAL

General Manager's Annual Narrative Report 2023-24

महाप्रबंधक की वार्षिक वर्णनात्मक रिपोर्ट 2023-24

Chapter VI

6.1 About the Department

Efficient and safe train operation is the outcome of synergic efforts of various departments in Railways. Role of Mechanical Department acquires importance as this department not only facilitates smooth & safe train operation by maintaining motive power & rolling stock but also plays a crucial role in restoration & relief work when flow of traffic is interrupted by any eventuality.

Mechanical department of Northern Railway is responsible for maintaining a total of 7744 coaches (4158 Non AC & 3586 AC coaches). An average 145.3 Primary Based Mail/Express Trains and 46.4 Goods Trains are maintained every day.

6.1.1 Maintenance of mechanical assets is being undertaken at:

DIV.	Freight depots	Coaching depots
DLI	TKD, GZB, SSB Private siding – ICD/TKD, GHH, PT, AST, BDMJ, PWL, DWNA, MUZ	DLI, NDLS, HNZM, DEE, MTC, JHI, ROK, ANVT,PNP, SSB
LKO	LKO	LKO, BSB, AYC, SLN, RBL, MBDP, PYGS, JNU
FZR	LDH, JUC, ASR, JAT, FZR, PTK Private siding - DDL, GRFL/SNL	FZR, ASR, JAT, CIA, PTK. UHP, JUC, LDH, SVDK, BJPL(NG), PTK(NG)
MB	MB	DDN, HW, NBD, MB, BE, BLM, SPN, YNRK
UMB	UMB, KJGY, BTI, Private siding - CHA, ICAK-QRP, GPHK-QRP	UMB, KLK, SRE, NLDM, CDG, BTI, SML(NG), KLK(NG)

6.1.2 Periodic overhauling of assets on NR is undertaken at following shops:

S.N	Workshop	Major Activities
1.	Jagadhri	➢ POH of AC & NAC ICF coaches. ➢ POH of AC & NAC LHB coaches. ➢ Overhauling of ICF & LHB bogies for IOH of coaches. ➢ POH of freight stock. ➢ RSP works of Coaching & Freight stock. ➢ Wheel supply to Divisions.

2.	Charbagh,Lucknow	➢ Electric Loco POH, ➢ SPART/SPARME POH. ➢ DEMU & MEMU POH. ➢ Overhauling of ICF coach bogies for IOH. ➢ POH/SS-I of T-18 bogies. ➢ RSP work of DEMU/MEMU. ➢ Wheel supply to Divisions.
3.	Alambagh, Lucknow	➢ POH of AC and NAC ICF coaches. ➢ POH of AC and NAC LHB coaches. ➢ Overhauling of ICF & LHB bogies for IOH of coaches. ➢ RSP works of coaching stock. ➢ Wheel supply to Divisions.
4.	Amritsar	➢ Manufacturing of BOXNHL, BVCM, BRN and other wagons on demand basis. ➢ Fabrication of ICF bogie frames on work order basis. ➢ Wheel supply to Divisions.
5.	Kalka	➢ POH of NG coaches for Kalka-Shimla(KSR) & Pathankot - Joginder Nagar (KVR) sections. ➢ Manufacturing & Rehabilitation of NG coaches. ➢ Manufacturing of NG Wagons. ➢ POH of RMC (Rail Motor Car). ➢ Manufacturing of NG components & Steam loco components for RE Steam Loco shed.
6.	Sonipat	➢ MLR of LHB coaches. ➢ SS-I of LHB coach bogies. ➢ Maintenance of Vande Bharat is being planned.

6.2 COACHING

6.2.1 Maintenance of trains

Divn.	Depot	Trains based for PM	Trains based for SM	Trains based for TE	Passing through (Enroute watering)	Total
DLI	DLI	10	2	38	44	**94**
	NDLS	23	17	42	68	**150**
	NZM	12	24	21	31	**88**
	ANVT	23	1	30	0	**54**
	DEE	6	4	16	0	**26**
	MTC	3	0	4	0	**7**
	JHI	4	0	3	0	**7**

	KKDE	0	0	1	0	**1**
	Total	**81**	**48**	**155**	**143**	**427**
FZR	FZR	4	0	12	11	**27**
	ASR	15	5	27	8	**55**
	CIA	1	0	3	0	**4**
	SVDK	8	4	8	0	**20**
	JAT	6	13	6	8	**33**
	LDH	0	0	0	97	**97**
	PTK	0	0	0	8	**8**
	JUC	0	0	0	6	**6**
	UHP	0	0	7	0	**7**
	PTK (NG)	7	0	0	0	**7**
	BJPL (NG)	0	6	0	0	**6**
	Total	**41**	**28**	**63**	**138**	**270**
MB	DDN	4	0	14	0	**18**
	HW	2	0	11	18	**31**
	NBD	3	0	7	4	**14**
	MB	2	0	11	172	**185**
	BE	7	0	4	12	**23**
	BLM	4	0	0	0	**4**
	RKSH	0	0	6	0	**6**
	SPN	0	0	8	0	**8**
	YNRK	2	2	5	0	**9**
	Total	**24**	**2**	**66**	**206**	**298**
UMB	UMB	4	0	5	76	**85**
	KLK	3	1	5	0	**9**
	SRE	0	0	2	70	**72**
	NLDM	0	0	4	0	**4**
	CDG	6	4	11	0	**21**
	BTI	2	0	2	44	**48**
	KLK (NG)	7	0	0	0	**7**
	SML (NG)	0	7	0	0	**7**
	Total	**22**	**12**	**29**	**190**	**253**
G.Total		**194**	**94**	**387**	**1005**	**1677**

6.2.2 Primary Rakes based in Northern Railway

Division	No. of Rakes
DLI	122
LKO	60

FZR	58
MB	52
UMB	45
Total	337

6.2.3 Electrical Coaching (TL & AC)

Division	Coach Holding		Main Maintenance *Depot*
	AC	**TL**	
DLI	2406	2132	NDLS***, HNZM***, DEE***, DLI***, ANVT*** MTC** ROK*, JHL*, JHI*
FZR	656	1038	JAT***, ASR***, SVDK***, FZR***, JUC*** PTK**, MCTM**
LKO	250	668	LKO***, BSB***, AYC***, MBDP*** PYGS** SLN*, JNU*, RBL*
MB	74	532	DDN***, BE***, HW***, YNRK*** BLM*, NBD*, MB*
UMB	106	376	CDG***, KLK***, DLPC*** UMB**, SRE**, BTI**
Total			
2023-24	**3492**	**4746**	**Total Coaches (TL & AC) = 8238**
2022-23	**2949**	**4888**	**Total Coaches (TL & AC) = 7837**
% Variation	**+18.4**	**-2.9**	**Total Coaches (TL & AC) = +5.1 %**

*** Depots dealing with TL, AC & EOG coaches

** Depots dealing with both TL & AC coaches

* Depots dealing with TL coaches

6.3 FREIGHT

6.3.1 ROH Depots:

CONVENTIONAL STOCK	UMB, KJGY, MB
BLC	TKD, MB, UMB

6.3.2 Goods Trains Examined per Day

Division	Total
DLI	25.78
UMB	11.34
LKO	0.53
MB	0.63
FZR	8.13

6.4 DEMU/MEMU/EMU Stock

6.4.1 DEMU Holding

	DPC			DTC		TC			Total
Shed	**700 HP**	**1400 HP**	**1600 HP**	**700 HP**	**1400 HP**	**700 HP**	**1400 HP**	**1600 HP**	
JUC	10	45	0	14	0	15	106	0	**190**
SSB	2	29	6	1	0	0	80	24	**142**
BDGM	0	26	4	0	4	0	70	19	**123**
Total	12	100	10	15	4	15	256	43	**455**
Grand Total	**122**			**19**		**314**			**455**

6.4.2 DEMU Rakes and Utilization

Shed	No. of rakes	Daily Train services run
JUC	21	106
SSB	8	36
BDGM	7	20
Total	36	162

6.4.3 POH of EMU/MEMU coaches & tower wagons

S.No.	Activities	Target (2023-24)	Target achieved (2023-24)
1.	POH of EMU coaches	151	151
2.	POH of tower wagons	12+3*	13

* Out of 03 TWs, 02 nos. TWs had not received for POH at EMU Car Shed, GZB.

6.4.4 Commissioning of newly received 8 car MEMU rakes

S No	Rake no.	Received from	Received on	Commissioned on	Remarks
1.	228133-228134	RCF/Kapurthala	10.12.2022	23.04.2023	-
2.	228135-228136	RCF/Kapurthala	24.02.2023	23.04.2023	-
3.	238225-238226	RCF/Kapurthala	09.05.2023	12.06.2023	Send to BDGM
4.	238675-238676	RCF/Kapurthala	12.12.2023	22.12.2023	-
5.	238679-238680	RCF/Kapurthala	23.12.2023	28.12.2023	-
6.	238677-238678	RCF/Kapurthala	12.12.2023	17.12.2023	-
7.	239045-239046	RCF/Kapurthala	04.01.2024	07.01.2024	-
8.	238577-238578	RCF/Kapurthala	24.12.2023	06.01.2024	Sent to SRE
9.	188637-188638	ICF/Chennai	21.12.2019/26.10.2023	27.12.2023	Sent to SRE
10.	208087-208088	ICF/Chennai	04.07.2020/26.10.2023	17.12.2023	Sent to SRE
11.	238513-238514	M/s BEML/Bangalore	27.12.2023	01.01.2024/ 06.01.2024	-
12.	238601-238602	M/s BEML/Bangalore	27.12.2023	01.01.2024	-
13.	238569-238570	M/s BEML/Bangalore	01.01.2024	06.01.2024	-
14.	239047-239048	RCF/Kapurthala	21.01.2024	27.01.2024	-
15.	239049-239050	RCF/Kapurthala	02.02.2024	06.02.2024	-
16.	239051-239052	RCF/Kapurthala	23.02.2024	06.03.2024	-
17.	239053-239054	RCF/Kapurthala	26.03.2024	28.03.2024	-

6.4.5 Commissioning of newly received 12 car EMU rakes at EMU Car Shed, GZB

SN	Rake no.	Received from	Received on	Commissioned on	Remarks
1.	238185-238186	ICF/Chennai	16.04.2023	25.05.2023	-
2.	238187-238188	ICF/Chennai	29.04.2023	16.07.2023	-

6.5 Accident Relief Infrastructure

	ARTs/ ARMEs/SPARMVs& BD Cranes				
Div	**Location**	**Class of ART**	**ARME/SPARMV**	**BD Crane**	**HRE**
DLI	DLI	A	SPARMV	140-T	BEMCO
	NDLS	Road Mobile Van	-	--	BEMCO
UMB	UMB	A	ARMV	140-T	BEMCO
	UMB	Road Mobile Van	--	--	LUKAS
	BTI	A	SPARMV	140-T	MFD
	SRE	A	SPARMV	140T	BEMCO
	KLK(NG)	B	ARMV	--	MFD
FZR	FZR	B	ARMV	--	MFD
	ASR	B	SPARMV	--	BEMCO
	LDH	A	ARMV	140-T	LUKAS
	PTK	A	ARMV	140-T	BEMCO
	PTK(NG)	B	--	--	--
	JAT	C(Tool Van)	---	--	MFD
	SVDK	--	---	140-T	--
	BJPL(NG)	C	ARMV	--	--
	BDGM	--	SPARMV	--	MFD
MB	MB	A	SPARMV	140-T	MFD
	RAC	B	SPARMV	--	MFD
	HW	--	SPARMV	--	--
LKO	LKO	A	SPARMV	140-T	BEMCO
	AYC	B	ARMV	--	BEMCO

6.6 Highlights of the year

6.6.1 Improved maintenance of Rolling Stock

A. Workshop

- Lowest Wagon POH cycle time over IR of 5.72 days (among the workshops having 500 wagons POH outturn per month).
- Refurbishment of "Aastha Special Rakes": JUDW turned out 03 rakes for Ayodhya special trains.
- 122 ICF Non AC coaches converted into NMGHS coaches.
- 04 ICF coaches converted into Camp Coaches.
- 09 power cars and 02 Pantry Cars have been provided with Fire detection and suppression system.
- Up-gradation of toilets in AC coaches has been carried out in 95 coaches.
- 85 coaches have been provided with pressurized flushing system.
- 09 coaches have been provided with fire detection system in AC coaches.

B. Coaching

- Average ineffective of coaching stock during 2023-24 was 5.36% against Railway Board's target of 7.50%. This resulted in increased availability of coaches for traffic use.
- Average ineffective of freight stock during 2023-24 was 2.73% against Railway Board's target of 2.75%. Hence, higher availability of wagons was ensured.
- ROH outturn during 2023-24 was 954 wagons per month against Railway Board's target of 800 wagons per month. Hence, higher availability of wagons was ensured.
- Freight DVS cases reduced to 19703 wagons during 2023-24 against 27341 wagons during 2022-23.
- 58 no. of hot axle cases against the Railway Board target of 105 wagons.
- 29 no. of train parting cases against the Railway Board Target of 101 wagons.
- Development of prototype of flame less pantry car.

  1st ever prototype of flameless pantry car was developed in house in record time of only one week by converting ICF type Non AC pantry car no. 994805 from LPG based cooking system to electrical heating system during October, 2021. The pantry car was also inspected by Hon'ble MR on 20.10.2021. The pantry was also inspected by CCRS on 12.11.2021 with RDSO for safety certification. This was further proliferated in **four** non AC pantry cars & as on date **two** non AC pantry cars are running over NR in the rakes of train no. 22417/18, NDLS-BSB Mahamana Express and both are flameless cooking type.

  Being a safety improvement measure besides saving of fossil fuel (LPG) a scheme to make the kitchen of Inspection Carriage flameless was prepared & advised to RDSO for approval. Accordingly, Guidelines from RDSO were issued

vide letter no. EL/6.8.22 dt. 24.01.2024. **Two** Non AC Inspection Carriages (RA-2199 & RA-119) have been modified in-house by AMV(W).

- Proliferation of Head On Generation (HOG) system (Environment, heritage preservation & promotion initiatives)
  Due to inherent features like no noise and air pollution on account of diesel generator set besides being energy efficiency & eco-friendly, proliferation of HOG system in EOG trains has been done over N.Rly.

- All 112 LHB type trains (141 rakes) have been made HOG compliant over N.Rly. & shifted to HOG from EOG over N.Rly. 6 trains (7 rakes) have been made HOG during 2023-24.
- Modification work to make the LHB coaches and power cars HOG compliant was done to complete all LHB stock.
- To further proliferate HOG scheme, work order issued for modification of all (180) Garib Rath Coaches & Power Cars. 163 coaches (Cumulative: 176) modified during 2023-24.
  Regular & special LHB trains worked on HOG scheme for 79.85% during 2023-24. This has resulted in a saving of approx. 2.58 Crore Ltrs (Approx. Rs. 234.6 Cr.) of HSD oil from April'23 to March'24 earning 69249 Tonnes of carbon credits also.

- Retro-fitment of existing Fluorescent tube lights with LED lights in coaches
  In order to improve the passenger amenities and recognizing the potentials of energy saving by providing LED lights, N.Rly has retrofitted existing FTL/CFL by LED lights in coaches to complete all AC & Non AC coaches.
  This has resulted in substantial savings (halved energy consumption i.e. saving of approx. 4.5kW/hr per rake) besides improvement in coach illumination (30 to 65 Lux).

C. Freight

- Up-gradation and rehabilitation of BOXN to BOXNR wagons in 94 BOXN wagons.
- Retro-fitment of twin pipe brake system in 831 wagons.
- Retro-fitment of two parts sliding doors in BCNHL Wagons in 50 nos. BCNHL wagons.
- 06 Nos. NG wagons manufactured by KLKW in 2023-24.

D. DEMU

- Inauguration of 13th rake of "Vande Bharat Express":

  Hon'ble Prime Minister of India flagged off ICF/NR 60/13 rake of NR Engine-less Semi-High speed"Vande Bharat Express" of trains no. 22500/22499 between BSB – DGHR. It was inaugurated on 16th September 2024 with impeccable punctuality, safety & reliability. The train runs 6-days a week between Varanasi to Deoghar.

E. MEMU

- Turned out two rakes of 3-phase (under slung) MEMU rake after POH for the first time.

6.6.2 Other Achievements

- Provision of High capacity ZS coupler & feeder cables in LHB coaches to avoid overloading of feeder cables & couplers since rake loads are regularly increasing by addition of AC coaches, existing feeder cables (120 Sq. mm) & 400A Z.S. couplers are being replaced with 150 Sq. mm feeder cables & 500A Z.S. couplers in LHB coaches during POH by JUDW & MLR by RCNK. 50 coaches (Cumulative: 243) have been modified during 2023-24.

6.7 Developments in EMU/MEMU Car Sheds

- **Development of Inspection Car no. 329**

  A new Inspection Car was developed by converting an overage MEMU Motor Coach no. 30029 by EMU Car Shed, GZB. This has been completed within three months' time with provision of latest facilities (mentioned under) and inaugurated by MT&RS during his visit to shed on 27.01.2024. The details of work carried out are as under:

  i. Complete interior fabrication & best wooden work with false ceiling both in executive & non-executive portion.
  ii. Entirely re-designing of one end cab and modifying the other end cab to give a better look.
  iii. Shifting of LT compartment near the HT compartment to have a spacious larger size executive portion.
  iv. Provision of 28 executive type seats in executive portion & 18 seats for staff & supervisors in non-executive portion.
  v. Provision of western style commode, mirror & wash basin in the toilet of executive portion.
  vi. Modular Kitchen in Executive Portion with pantry racks, oven, chimney, refrigerator etc.
  vii. Provision of a toilet in non-executive portion for staff & supervisors.
  viii. A fine finishing work in the exterior of body cell followed by better quality light pleasant colour painting to give an aesthetic look.
  ix. Provision of Bio-toilet in the Inspection Car.
  x. Traditional man-made regional paintings have been provided to give it an exotic look.

6.8 New Work Commissioned during 2023-24

- Commissioning of **one Washing line at MBDP** (Maa Belha Devi Dham Pratapgarh) has been done under the sanctioned work of '**Pratapgarh – Yard Remodeling**' in PH-16 and Primary maintenance of rakes has been started since 01.05.23.

- Work of "**Provision of covered shed with inspection pit for 140T crane at Delhi Main station**" costing Rs. 1.4 cr. has been completed in PH-42.

- Work of "**Provision of Covers (Iron Grating) on drains of Platform No. 4 to 9 of BSB Coaching Yard**" costing Rs. 1.02 cr. has been completed in PH-42.

- Work of "**Replacement of dilapidated roofing of Lucknow & Varanasi sick line shed with Galvalume sheet**" costing Rs. 0.60 cr. has been completed in PH-42.

<u>At Varanasi</u>

At Lucknow

- Work of "**Provision of VDC flooring by removing existing broken flooring at Lucknow & Varanasi sick line**" costing Rs. 0.50 cr. has been completed in PH-42.

- Work of "**AMVW - Augmentation of existing canteen**" costing Rs. 1.59 cr has been completed in PH-42.

- Work of "**JUDW - Extension of shed & flooring with EOT crane track provision in wagon shop SRE end and in CBC & bogie section**" costing Rs. 2.06 cr. has been completed in PH-42.

6.9 Major high value M&Ps (costing more than 50 laks) commissioned during 2023-24 under PH-41

- **Pit Wheel Lathe** commissioned on 12.06.23 at **Electric Loco Shed/Saharanpur.**

- **CNC Axle Turning Lathe** commissioned on 11.05.23 at **Jagadhri Workshop**.

- **Hydraulic Wheel Press 500T commissioned on 05.07.23 at Jagadhri Workshop**.

- **EOT crane 30T commissioned on 02.11.23 at EMU Car Shed, Ghaziabad.**

- **EOT crane 25T commissioned on 30.08.23 at C&W depot, Shri Mata Vaishno Devi Katra.**

- **Traverser 80T, 2 track commissioned on 20.03.23 at Jagadhri Workshop**.

6.10 Ongoing Major Projects

- **Setting up of Train set depot at SSB in PH-42**
  Composite tender for Civil, Elect., S&T and Mech. works had been awarded on 05.04.22 to M/s HYT, Pune. Work is in progress for 1st phase and is advanced stage of completion. 95% work completed during 2023-24.

- **Mission Raftar project for raising of speed to 160 KMPH on NDLS-BCT route in DLI area and NDLS-HWH route in LKO area**

  - **Creation of mechanical maintenance facilities at DLI area:** 40% work completed during FY 2023-24.
  - **Creation of mechanical maintenance facilities at LKO area**: 40% work completed during FY 2023-24.

- **USBRL project**

  - Work of construction of the 3rd washing line at **Shri Mata Vaishno Devi Katra** is in progress. 80% work completed during 2023-24.
  - Work of construction of 01 new washing line in place of existing old washing line as per CAMTECH dual pit design at **Badgam** has been started and is in progress.
  - Work of extension of DEMU Shed from 8 coaches to 12 coaches at **Badgam** is in progress. 90% work completed during 2023-24.

- Civil work of 'Quick watering arrangement' has been started at **Badgam** and **Srinagar**.

6.11 New Works sanctioned under PH- 42

Works sanctioned for upgradation of maintenance infrastructure for Vande Bharat trains and other rolling stocks at Coaching Depots, Freight Depots, Workshops, DEMU/EMU Car Sheds, Diesel Sheds and Electric Loco Sheds under Umbrella works (PH-42) during FY 2023-24 are as under:

i. **06 nos**. proposals costing **Rs. 93.24 cr**. have been sanctioned by **RB** in **Umbrella Work 2022-23.**
ii. In addition to above, **04 nos.** proposals of **ANVT (WTA-527), RCNK/SNP (WTA-529), BWSN (WTA-527) and SSB (WTA-529)** costing **Rs. 637.07 cr.** have been sanctioned by **RB** in UW 2022-23 of "**Upgradation/development of maintenance infrastructure for energy efficient Vande Bharat Sleeper trains as per conditions under WTA 527/529"**.
iii. **17 nos**. proposals costing **Rs. 34.73 cr**. have been sanctioned by **GM/NR** in **Umbrella Work 2022-23.**
iv. **03 nos**. proposals costing **Rs. 64.06 cr.** have been sanctioned by **RB** in **Umbrella Work 2023-24**.
v. **08 nos**. proposals costing **Rs. 17.52 cr.** have been sanctioned by **GM/NR** in **Umbrella Work 2023-24.**

6.12 Other Initiatives in NR

- **Swachhata Pakhwada 2023 campaign**

All the NR Workshops conducted the **Swachhata Pakhwada 2023** campaign from 16th Sept'23 to 2nd Oct'23 under the guidelines by Ministry of Railways towards cleanliness and hygiene. The campaign was launched by administrating Swachhata Pledge to all the employees in the premises of all workshops.

- **Development of KALKA Workshop LOGO**

Kalka Workshop created a logo for the "NORTHERN RAILWAY KALKA WORKSHOP". Its pattern was made by foundry pattern shop and casting was done by non-ferrous

foundry shop. Development of this logo give a new identity to the products manufactured by KLKW.

- **Inter Divisional Cultural Competition 2023 (Nukkad-Natak) at JUDW**

Jagadhri Workshop hosted the Inter Divisional Cultural Competition 2023 on 03rd November 2023.Teams from all the five divisions and workshops of Northern Railway participated in this cultural competition. Chief Personnel Officer, IR Northern Railway was invited as chief guest of the day. Jagadhri Workshop , Firozpur Division and Lucknow division won the first, second and third prize respectively

- **Installation of small Air Compressors at different work stations in Kalka Workshop**

As a system improvement, KLKW has done decentralization of compressed air supply. This optimized system is expected to reduce maintenance costs associated with air leaks, pressure drops, and compressor inefficiencies; enhanced control over air pressure has led to a significant improvement in the quality of riveting process, which is an important method of permanent fastening and yield substantial energy savings.

- **Installation of Permanent Trestles for Wagon Lifting:**

Jagadhri Workshop has installed permanent Trestles for wagon lifting to replace temporary Trestles in all lines of Lifting shop/WR. This provides without EOT crane wheel movement after wagon lifting, reduces EOT crane engagement, improves work

place safety, saves time due to reduced dependency on EOT crane and increases efficiency of staff and productivity.

- **GM sanctions**

By close coordination with other Departments, 22 GM sanctions (Chg. - 15, Frt. - 7) were taken during the period.

- **Brake Van up-gradation for Competition at WCC, TKD**

One Brake Van No. ECoR 87122212412 BVCM was upgraded at Wagon Care Centre, Tughlakabad for competition of Brake Van up-gradation as per Railway Board Directives.

- **Trial for maintenance of 10 BLC rakes of CONCOR ownership by CONCOR**

Trial for maintenance of 10 BLC rakes of CONCOR ownership by CONCOR has been started as pilot trial as per Railway Board directives at ICD/TKD.

- **Observance of World Environment Day – 5th June, 2023**

World Environment Day-2023 (WED) was celebrated extensively at Northern Railway headquarters office and over all divisions of Northern Railway on June 05, 2023. The theme of this year's WED was 'Beat Plastic Pollution' launched by United Nations Environment Programme (UNEP). On this occasion, EnHM Wing, NRHQ office displayed various banners, posters and standees to spread the awareness on environmental issues with focus on solutions of plastic pollution under the campaign 'Beat Plastic Pollution'. Also, Bharat Scouts and Guides, Northern Railway Headquarters wing organized a rally in the premises of Baroda House, Northern Railway, Headquarters office to spread the awareness towards conservation of environment.

Swachhta pledges were administered by officers to staffs and Safai Karamcharis, and excessive plantation was carried out over all divisions of NR. Also, awareness campaigns under the banner of 'Beat Plastic Pollution' were conducted at all major Railway stations of all divisions, with the aim to spread awareness about the harmful effects of the plastics on environment and its solutions.

➢ **Mission Life Campaign**

Mission Life is a part of Hon'ble PM's vision for 'mindful and deliberate utilization, instead of mindless and destructive consumption' that was launched on 20th October 2022 to protect and preserve the environment. An action plan has been approved by the competent authority of Railway Board, wherein, different activities have to be undertaken in the weeks approaching 5th June. In this regard, various banners, posters and standees were displayed with Mission LIFE logos and themes to increase awareness amongst officers and staffs in HQ office Baroda House.

6.13 System Improvement

➢ **Charbagh Workshop- SCHAKU Coupler Section**

Facilities

- 100% Coupler Dropping during POH: Enables thorough inspection of all coupler components.
- 100% Cleaning of Greasing Passage of Bearing Bolts: Ensures proper lubrication of the bearing bolts.
- Use of Go-No Go gauges to check the parts of Schaku coupler as specified in the manual.
- Magnaflux Testing of Allen Screw Bolts: Non-destructive testing method to detect cracks or other defects in the bolts.

Advantages

- Proactive maintenance: Regular inspections, cleaning, and lubrication minimize the risk of failures.
- Standardized practices: Consistent procedures ensure quality and reduce human error.
- Improved traceability: Part marking simplifies maintenance and accountability

VCB and Auxiliary Motor Section

Objectives

- To provide improved overhauling facilities.
- Advanced test benches to improve quality.
- To enhance workmanship by improved ergonomics.

Facilities

- PLC based test bench for LT testing and recording the data.
- Fully equipped work stations have been designed with provision for placement of tools.
- A dedicated and separate area has been laid out for HT testing of VCB.
- VCB analyser has been set up for VCB.
- A customised test bench has been developed for overhauling and testing of rectifier diode and its plant.
- PLC based test bench for testing of auxiliary motor of DEMU/MEMU coaches.

Advantages

- Ergonomically designed test benches to allow easy approach and material handling. This in turn fosters better workmanship.
- Accurate testing and easy storage / retrieval of test data.
- Eliminates human error.
- Material stacking as per 5S.

➢ **Amritsar Workshop- MSU Tube Overhauling**

Monetary Savings from Centre of Excellence MSU tube overhauling:

- Earlier, on an average earlier 7 employees were booked for overhauling of one MSU Tube and now on an average only 5 employees are booked.
- Material handling is reduced due to new shorter job flow path.
- Centre of excellence provides safe working conditions thus improving the efficiency of working staff.
- Reduction in overhead cost like material handling cost, cost of frequent cleaning as earlier the floor area was regularly exposed to grease.

Assembly area

Induction Hearting

Material Stacking

- **Jagadhri Workshop-TUP Hammer**

Objectives

- Type Test of Draft gear as per specification WD 71 BD-15.
- Proper testing and validation of supplied Draft gears.

Facilities

- Railway board advised to develop a Center of Excellence in order to facilitate proper type testing of upgraded High-capacity Draft Gear as per RDSO specification.
- As per knowledge of this workshop, no Govt. lab has Tup Hammer facility for testing of upgraded high-capacity draft gear.
- It is suitable for checking the rating travel and capacity of both WD-71-BD-15 & WD-49-BD-08.
- Following facilities of data storage and record generation are available:
- Peak reaction force (graphical and numeric).
- Peak travel (displacement) (graphical and numeric).
- Graph of load and displacement with absorbed energy

- **Automatic Coach Washing Plant at SSB**

An 'Automatic Coach Washing Plant (ACWP)' was commissioned on 08.05.23 at Coaching Complex, SSB. Besides automation of external cleaning processes, considerable saving of precious water & revenue which were incurred on contractual external washing of coaches has been achieved.

- **Quick watering system at NDLS & LDH**

Quick watering system installed at NDLS and LDH to ensure full en-route watering of coaches.

- **Start of ROH of BCACBM-A/B wagons at TKD & MB**

BCACBM wagons are specialized covered body wagon with double loading decks designed for transportation of auto cars. ROH of these wagons was earlier attended at JUDW. In spite of various constraints (height of shed in sick line & availability of materials including spare bogies) in carrying out the ROH of BCACBM-A/B, ROH Shed TKD & MB has started ROH of BCACBM-A/B wagons from July 2023 onwards.

- **Start of SS-1 schedule at Coach Care Centre, DLI**

Coach Care Centre, DLI has started SS-1 schedule of LHB coaches since December 2023.

- **ROH of BVCM, Brake Van (Eight-wheeler brake van with CASNUB bogie) at WCC TKD**

ROH of BVCM wagons has been started at Wagon Care Centre, TKD since Dec–2023.

- **Provision for mounting/dismounting ‘K’-type CTRBs**

ROH depot, TKD has started mounting/dismounting of ‘K’ type CTRBs of BLCS wagons since May 2023. This has eliminated transportation costs to JUDW.

- **Provision of 750V supply in washing lines for maintenance & pre-cooling of EOG/HOG trains**

Rake maintenance/pre-cooling of HOG/EOG rakes is still being done through running power cars which is major reason of diesel consumption (Approx. 25000 ltrs/month). Total 52 out of 71 washing lines with pit lines were identified for provision of 750V external power supply for maintenance & pre-cooling of EOG/HOG trains, 47 washing lines have been completed during 2023-24 (Cummulative-51), work under execution at one washing line. This is eco-friendly due to its inherent benefits like no air & noise pollution as well as potential revenue saving as diesel will be saved by non-running of DG sets. This will save HSD oil.

➢ Automation of RMPU Testing and Monitoring system

RMPU testing at JUDW was intensified and the testing room was automated during the year. The salient features are:

- Real time display of Parameter such as Voltage, Current of all fan motors & compressors, Temperatures & pressures of different portions of refrigerant cycles.
- Automatic Control of heat load in cooling chamber at desired level during testing.
- Calculation of Cooling efficiency of RMPU AC units.
- User friendly online access on phone & PC through App/software.
- Report generation in PDF format for backup and online access.
- Generation of all logs and Data recording after very ten minutes during testing.
- Incorporation of additional inputs in test reports such as RMPU Sl. No. Coach No., Unit Make, Staff details etc.

This will ensure Automation of testing procedures and data records, Elimination of human errors during testing and calculation of cooling efficiency, Improve reliability of RMPU AC units during train service and Energy savings due to automatic controlling of heating & cooling parameters.

Display of the monitor

Also, at AMV(W), Automated DATA acquisition system, to determine the cooling capacity of RMPU (at 50°C ambient temperature) has been included in RMPU testing section. The testing resuls/data now can be access on mobile app.

Automated DATA acquisition system

- **Testing Arrangement for MMRs, Microcontroller, RCB/ECB, Electronic components, Micro processor card & MCBs of LHB coaches**

Testing facilities for MMRs, Microcontroller, RCB/ECB, Electronic components, Micro processor card & MCBs of LHB coaches have been developed at AMV(W)

Consoles for testing of LT & HTMMRs

Test Bench for Micro Controller

Testing Arrangement for RCB/ECB

Test Bench for Electronic components & Micro processor card

- **Provision of power factor corrector capacitors in EOG coaches & power cars**

To enhance the capacity utilization of DG sets, EOG coaches were provided with power factor corrector capacitors. This improves the power factor resulting in smooth power supply without overloading and enhancing the existing rake loads. Proper working of these capacitors is ensured during primary maintenance by the divisions.

- **Interaction with supervisors & staff**

As a measure of system improvement, video conferences with supervisors in the field on high failure items like MMR, RMPU, Compressor, SBC, Heaters, Micro-controllers, brazing techniques, Batteries, inverters, BLDC fans etc. have been hosted to analyse and find out the remedial measures & sensitizing the staff for adhering to electrical safety.

- **Arrangement for overhauling of more quantity of buff gear in a day**

Earlier there was a system of manual overhauling of buff-gear of couplers, in which all 06 nos. rubber spring plates alongwith 07 nos. alternate provisions of MS plate in-between & over rubber spring plates & 20 mm thick plates on both sides for bonding

purpose were dismantled manually. Further, these items were re-assembled after carrying out manual checking & necessary maintenance and reassembled in buff gear & coupler. This overall activity required 3 staff and only one buff gear was overhauled in a single day. A possibility was explored and a MS frame has been made at the bottom portion of a 60 Ton hydraulic machine available in Bogie Overhauling section for dismantling the buff-gear parts. With this 60 ton hydraulic machine & frame, 7 to 8 buff-gears can be overhauled in a single day by deputing only two staff. This has not only saved the Railway's revenue, but also improved the reliability of maintenance of the buff-gear & couplers of EMU/MEMU coaches.

- **Commissioning of new ESMON/SPM testing bench**

ESMON/SPM test bench has been commissioned, having the latest features for testing of all types/makes speedometers. Facility of simulated data downloading is available & the set up will work in both automatic & manual modes. Calibration of RCI (speedometer) & DG with H.M.I. at various RPM & Wheel Diameter is also available on the test bench. This will surely increase the reliability of working of an important safety item i.e. speedometer.

- **Improvement of Thermostat & Master Controller testing bench**

Earlier, in EMU/GZB shed has developed Thermostat & Master Controller Testing Panels from released & scrap items of EMU/MEMU coaches. This was highly appreciated by higher officers visiting shed and some of them have given a suggestion for carrying out more improvements in their body & appearance. So, shed has moved ahead and during the period these testing panels have been given a new look with improved aesthetics.

- **Commissioning 05 nos. new lifting jacks of 25 ton**

Earlier, there were only 15 nos. lifting jacks available in shed for placement of lifted Motor & Trailer coaches and Tower Wagons in heavy repair bay up to certain height during POH & unscheduled repair work. This quantity of jack was not sufficient for the number of coaches & TWs arising for POH & Unscheduled maintenance. So, few more jacks were required since a long time to accommodate more number of coaches. During the period, 05 nos. new jacks of 25 ton have been commissioned and being used for placement of lifted coaches. With this, the working of maintenance of coaches & TWs in heavy repair bay shall be managed easily.

- **Commissioning of 02 nos. Fork Lifter cap 03 Ton**

02 nos. fork lifter capacity 03 Ton has been received on 23.05.2023 & successfully commissioned and are being used for transportation of material inside the shed. With these, working of maintenance of coaches & TWs shall be managed easily.

6.14 Infrastructural Improvements

- **Setting up of Bio-Toilet Labs at NDLS and DLI**

Bio-Toilet Labs were set up at the coaching depots, NDLS and DLI in Aug'2023 for testing of Bio-toilet effluents.

- **Development of Workstation for repairing of CASNUB bogie**

Wagon Care Centre, Ghaziabad has developed a workstation/ fixture through in-house resources for repairing of CASNUB bogie which saves time and man power.

- **Development of Rolling-in/Out Hut at HNZM**

A rolling-in/out hut has been developed toward TKD end at HNZM station.

- **Renovation of sections and tagging of equipment**

In order to give a good neat & clean look, interiors of Time Office, Pneumatic, Train Lighting, Transformer & Traction Gear sections have been renovated by carrying out wall & roof repairing work and provision of good quality tiles on the floor of the sections. Simultaneously, the settings of chair, tables, testing benches, workspace, etc. have been modified to give a good look and easy & efficient working. Suitable

tags have also been provided on all equipment for easy identification and 5S implementation inside shed.

- **Installation & Commissioning of 30 Ton EOT Crane in Heavy Repair Bay**

One no. 30-Ton EOT Crane was received in shed vide P.O. no. COFMOW/IR/S/P-1/OP-207410 dated 22.8.2022 from M/s. Krane Manufacturing (I). Pvt. Ltd., Thane on 23.09.2023. The work of Installation & Commissioning of this crane in Heavy Repair Bay of shed has been successfully completed during the period. With this, the work of POH & unscheduled repair of EMU/MEMU coaches shall be smoothly carried out with improved safety & reliability.

- **Automatic Coach Washing Plant (ACWP)**

Automatic Coach Washing Plant (ACWP) have been commissioned at **Shakurbasti** (May ’23) and **Chheharta** (Nov’23) resulting in saving of water and saving of revenue which is being incurred on contractual external washing of coaches and cost of water.

ACWP at Shakurbasti

ACWP at Chheharta

- **Quick Watering System**

Quick Watering System has been commissioned at **New Delhi station** (Dec ’23) under PH-53. This has resulted in manpower reduction in valve operation, proper flow to ensure full watering in limited time, improved watering in case of bunching, water saving and flow/pressure monitoring and uninterrupted water supply in peak summer.

QUICK WATERING SYSTEM AT NEW DELHI

6.15 Excellence in safety

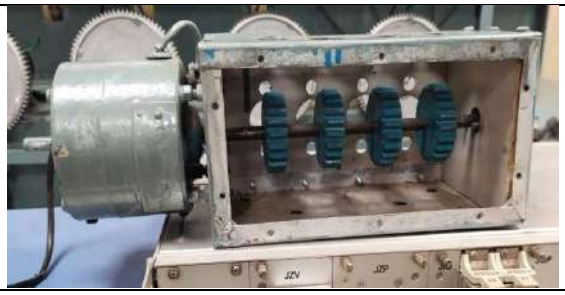
- **Introduction of New Machines for Measurement & Overhauling Process of CTRB 6x11 ‘E’**

Following are the advantages of the installed machines:

- **Seal Wear Ring Inspection System** – Automatic inspection of seal wear rings ID, OD, ovality and groove depth before fitment in the bearing, minimizing human error and providing precise measurement thus improving bearing quality.
- **Spacer Height and Parallelism Measurement Station** – Automatic measurement and inspection of spacer height and parallelism before fitment in the bearing, minimizing human error and providing precise measurement thus improving bearing quality.
- **Double End Grease Seal Pressing System** – Automatic pressing of both side grease seals simultaneously with load indication, thus improving quality and efficiency.

- **Modification of WSP test bench**

In COE air brake section WSP cards testing facility is available, all the KBI cards Like MB04B, PB03A,EB01A and FTIL N2,N1,CPU,MV,OP, RE,GE1,ST cards are checked on WSP test bench but in this test bench speed of all the phonic wheels are same due to driven by a single motor so we are not able to test the speed sensors at variable speed. By Motivation and innovative idea of JUDW staff the WSP test bench is modify at cost of 12,000/- .**Now we can check the speed sensors test at variable speed.**

Before	After
	

Benefits:-

- Easy to Detect Fault for any Sensor.
- Quality improvement
- Failure Rate will be reduced.

- **Kalka Workshop**

Installation of small Air Compressors at different work stations:
As a system improvement, KLKW has done decentralization of compressed air supply. This optimized system is expected to reduce maintenance costs associated with air leaks, pressure drops, and compressor inefficiencies; enhanced control over air pressure has led to a significant improvement in the quality of riveting process, which is an important method of permanent fastening and yield substantial energy savings, contributing to a more sustainable and cost-effective operation. Net saving of Electrical energy is 233.13 KWH per day, 5691.12 kwh per month and 68294 kwh per year.

- **Alambagh Workshop**

200T Press & Damper testing machine

A computerized damper testing machine commissioned at AMVW. This improves the safety and reliability by assesses the performance, durability and service life of essential components such as dampers, shock absorbers etc.

- **Safety Helmets**

As an essential step towards safety of employees, approx. 800 Nos. of safety helmets have been distributed to all depots of LKO Division.

- **Fire Safety Training**

Fire safety training was arranged on 08.03.2024 at C&W Traning Centre, GZB for Apprentice Technicians, Rail Kaushal Vikas Yojana trainees, conversion course trainees & promotional course Carp-III trainees.

- **Detachment of wagons on OMRS alerts**

215 wheels were removed from service during 2023-24 due to actionable OMRS alerts and sent to JUDW for investigation. This has helped in improving reliability of freight stock using predictive maintenance technology.

- **Monitoring of Rail Madad**

Passenger complaints lodged on the Rail Madad portal are being monitored on real time basis round the clock at HQ & are promptly attended by the onboard staff to minimize the response time.

- **Implementation of Escorting App. for entering defects observed enroute**

An Android App has been developed by CRIS for entering defects observed enroute in coaches, running of DG sets, HOG running hours & fueling in power cars. Divisions have been advised to ensure entry in App for real time monitoring.

- **Provision of safety rope for securing Z.S. Coupler**

DLI division has provided safety rope on the rear end ZS couplers of LSLRD/ Power Cars to avoid their falling on track during running of train enroute.

- **Modification of feeder junction boxes in Garib Rath**

There were three designs of junction box provided in Garib Rath coaches. Most of the failures are reported from the junction boxes in which the cables are tightened in the connectors by Allen key type bolts (Type-I) due to overheating. As per the directives of RDSO/LKO, all (179 junction boxes) Allen key (Type-I) feeder junction boxes of have been replaced by Type-3. Further, in 2nd phase, Type-2 FJB are also being replaced with Type-3 and as on 184 out of 300 FJB have been replaced with Type -3

Allen- Bolt (Type-I) old RCF

ICF Junction box (Type-II

New RCF design (Type-III)

- **Provision of Projected SS Collar Ring around the condenser air out let in RMPUs**

Provision of projected SS Collar Ring around the condenser air out let in RMPUs for better condensation and comfort cooling by avoiding short circling of air is being done at all depots over NR. These have been provided in all coaches.

- **DEMU/MEMU POH Quality improvement seminar**

There have been huge shortcomings, deficiencies & unscheduled lifting in OFF-POH MEMU coaches POHed by CBW. A google sheet was shared by HQ for filling up MEMU & DEMU off POH deficiencies and EMU/GZB shed was directed to host & organize a meeting with CBW, EMU/MEMU/DEMU sheds of Northern Railway with their officers & key supervisors. Shed has successfully organized & conducted meeting at ETC/GZB on 06.11.2023 with the participation of CWM/C/NR, CETE/NR, CWM/CBW/LKO along with officers & key supervisors of MEMU/DEMU sheds of GZB, SSB, JUC, SRE. The meeting started with a presentation by EMU Car Shed,

Ghaziabad in which comparison of POH performance of EMU & MEMU coaches were discussed. The basis for comparison was unscheduled lifting of coaches, major failures/deficiencies within 100 days or during commissioning & the total time taken in POH. This was followed by discussions of all deficiencies found in MEMU coaches. This meeting was quite successful and it was decided to conduct similar meeting in future. Shed has for the first time hosted such a meeting where almost more than 100 participants from other sheds & workshop were there.

- **Provision of OHE Instruction Display Boards**

Suitable size OHE Instruction display boards were made and provided near OHE isolator. Sequence wise instructions for safe isolation & closing of OHE have been written on the board. This is readable from a distance and is quite helpful for staff carrying out the job of OHE isolation & closing. This is a step ahead towards safety of the staff in shed.

- **Mock-drill of fire fighting & training for proper operation of fire extinguishers**

A mock-drill on firefighting was conducted in EMU Car Shed, Ghaziabad on 10.04.2023, 28.08.2023 & 20.12.2023. For this, firm's technical representatives have been called in shed for giving practical training for quick & safe operation of latest type fire extinguishers available in shed. They have told about the parts of the fire extinguishers and their operating techniques. Thereafter, a mock-drill on the artificially generated fire was carried out for quickly extinguishing it. The same has been completed successfully within the minimum time limit. More than 75 supervisors & staff have participated in the mock-drill in presence of the officers of the shed.

- **Safety Seminar in Shed**

A safety seminar has been organized in shed on 10.05.2023. A Divisional safety team headed by Sr. DSO/DLI visited shed and discussed various safety aspects alongwith the past cases on account of safety hindrances in shed as well as other department's cases and given certain valuable tips to be followed daily in normal working practice by

SSE/JE/Staff of shed. They have especially advised to ensure the tightness of electrical connections of cables of coach and keep electric panels neat & clean. They have also told the proper techniques for carrying out safe shunting of coaches.

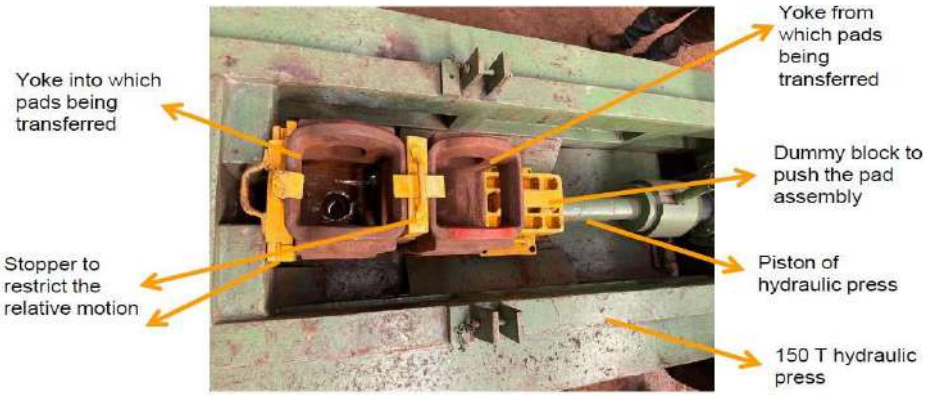
- **Safety review seminar on accidents all across Indian Railways**

A seminar was conducted by SSE/Quality on accidents all across Indian Railways. All officers and Section In-charges attended the seminar. All the accidents were critically analysed and discussed thoroughly to understand the lapses which caused the accidents. Necessary steps are being taken to avoid similar cases in the shed.

6.16 Innovative Measures

- **Jagadhri Workshop**

In-house repair of F-325 G Draft gear by replacement of defective yoke:
Dummy blocks and stoppers fabricated in-house meticulously as per the dimension of F325 yoke. Due to unavailability of repair procedure of F-325 G Twin Pack Draft gear, the whole Draft Gear was condemned because of defects encountered in Yoke such as Yoke Hole Elongation &Yoke Hole Cut. Approx. saving of ₹25,000 per draft gear. Till March-24, JUDW has completed repair of 56 Draft Gears resulting into a **saving of ₹13,74,856/-**



- **Wagon Shop in-house developed a fixture (using serviceable pneumatic jack)**

- The jacks operates pneumatically and clamp the pillars on the side walls very tightly which ensures that there is no gap between the two at the time of welding.
- This fixture facilitates proper and best quality welding of pillars on the side walls by ensuring that there is no gap between the two members.
- Manual effort of the staff involved in repair activity has reduced due to use of this mechanized fixture

- **Effective Utilization of SS Scrap at Wagon Repair Shop**

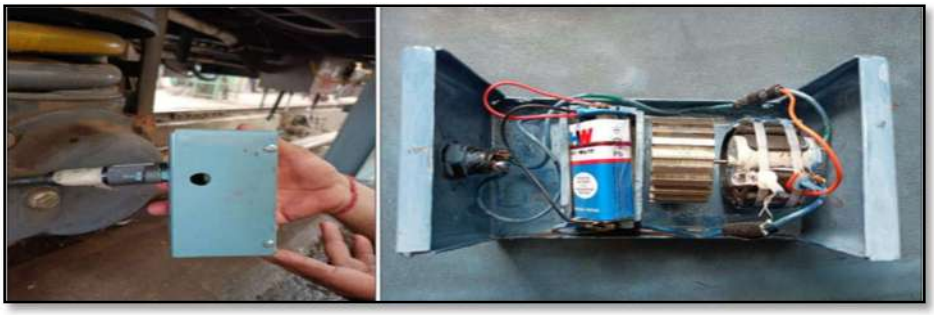
Supervisors and Staff of Body Section/Wagon Shop(JUDW) have taken an initiative for utilizing SS scrap effectively. Scrapped SS sheets were reprocessed for fabrication purposes while ensuring the continued maintenance of the SS wagons. 2.75 tons of SS scrap (approx. 20% of total new sheets) was reused in March'24. With this effort Wagon Repair Shop has not only reduced waste but also **achieved cost savings of approx. 4.5 lakhs in March'24.** This encourages to adopt sustainable practices and efficient resource management.

➢ **Development of Multiple Power Supply Test Bench**

A Multiple Power Supply Test Bench which is equipped with all types of power supplies, i.e. 110 V DC, 24 V DC & 220 V AC has been developed by ANVT Depot. The test bench was inaugurated by DRM/DLI on 05/10/2023. This test bench can be used for finding the faults in wiring circuit/electronics components of WSP, CCTV, Fire & smoke detection system, Fire & smoke detection and suppression system and Electro-pneumatic Pressurized Flushing System (EPFS).

➢ **Development of WSP simulator**

Coach Care Centre, DLI has developed a 'Battery Operated WSP Simulator' which is handy, lightweight & sturdy.



6.17 HR Initiatives

➢ **Training under 'Rail Kaushal Vikas Yojana'**

Batch Training under 'Rail Kaushal Vikas Yojana'

C&W Training Centre/GZB, the training of the 30th batch, 19 candidates (Fitters-14 & Welders-05) were completed during the month. A total of 183 candidates (Fitters-119 & Welders-64) have completed their training under this Yojana in FY 2023-24 and 468(Fitters- 277 & Welders-191) candidates since its start.

- In STC Charbagh, 05 candidates in Mar."24 and a total of 165 candidates have been completed their training under Rail Kaushal Vikas Yojna in FY 23-24.
- In BTC Amritsar, 06 candidate in Mar."24 & a total of 39 candidates have been completed their training under Rail Kaushal VikasYojna in FY 23-24.
- In BTC Jagadhri, No candidate in Mar."24 and a total of 56 candidates have been completed their training under Rail Kaushal VikasYojna in FY 23-24.

- In C&W GZB, 19 candidates in Mar."24 and a total of 182 candidates have been completed their training under Rail Kaushal Vikas Yojna in FY 23-24.

➢ **C&W Training Centre, GZB**

C&W Training Centre, GZB has been nominated to impart training to eligible candidates in the fitter and welder trade under 'Rail Kaushal Vikas Yojana'. 183 candidates (Fitter-119 & Welder-64) completed their training in 2023-24.

➢ **Installation of LSD Test bench at C&W Training Centre, GZB**

To grasp the working concept, troubleshooting and repair of LSD to trainees viz. Apprentice Technician, LP/ALP, and Junior Executive/Mech. (DFCCIL) etc. in a very lucid manner, a new LSD test bench has been installed on CASNUB bogie at Model Park, C&W Training Centre, GZB.

➢ **Training of Loco-pilot on 3-phase EMU/MEMU rakes**

In order to maintain smooth working of 3-phase EMU/MEMU rakes, four weeks practical training programme for Loco-pilots has been started in shed on 24.08.2023. A training module has been made for learning 3-phase electrical control & pneumatic items/equipment followed by interaction with technical cell & interview by shed officers. This training programme is limited to be given to three loco-pilots at a time for two days and shall be conducted up to 21.09.2023 to cover maximum number of loco pilots.

➢ **Training on RTIS system by CRIS**

A team of M/s CRIS visited EMU Car Shed, Ghaziabad on 04.03.2024 for imparting training to Supervisor & Staff for Technical know-how, maintenance & accessing the real time information of coaches, where this system has been provided. Approximately, 50 employees have attended the training programme. This will help in smooth working of RTIS system in EMU/MEMU trains.

➢ **Mega Yoga programme & Celebration of Yoga Day**

A daily yoga programme was conducted for the awareness of staff in EMU Car Shed, Ghaziabad from 12.06.2023 to 21.06.2023. A number of groups of shed employees were made respectively for attending daily yoga programme at morning hours from 12.06.2023 to 20.06.2023. Thereafter on 21.06.2023, International Yoga Day was celebrated entirely on shed level followed by discussion on the benefit of yoga by

experts of this field such as it gives strength, balance, flexibility, back pain relief, ease in arthritis symptoms, relaxation, better sleep, more energy, brighter moods & managing stress.

6.18 Staff Welfare Initiatives

a) **Creche** : In workshops where there is sizeable population of female employees, the facility of crèche has been provided. This enables the mothers to take care of their young children, while they are at work.
b) **E-Kiosk:** The Kiosks help the employee see their status of leaves, passes, salary and other establishment details without any human intervention.
c) **Changing Rooms & Lockers**: all Staff have been provided changing rooms and locker facilities. Separate toilet blocks for ladies called ping toilets have been provided for them.
d) **Canteen**: Workshops have staff canteens that serve tea, snacks and meals at reasonable rates to the employees.
e) **Health units**: Workshops have dedicated health Units within the premises to cater to emergencies in case of any injuries to the staff, while at work.
f) **ATM**: Automatic teller machines have been installed inside the workshops for any emergent requirement of cash.
g) **Library**: The railways has provided libraries inside the workshop for any literary pursuits by the workers at the workshop.

h) Deluxe Toilets & Pink Toilet: Toilets for ladies, equipped with pad dispenser and incinerator.

i) Annual wellness awareness health check-up camp:

Annual wellness awareness health check-up camp was organized in EMU Car Shed, Ghaziabad on 17.05.2023. A team of doctors, paramedical & nursing staff visited shed for the above health check-up for Railway officers & staff of EMU Car Shed, Ghaziabad. All preliminary checks including ECG, Blood Sugar, Blood Pressure, etc. were done by the Railway Medical team. This has been made successful with full support & assistance of the staff of EMU Car Shed, Ghaziabad. A total of 74 officers & staff of the shed have been checked in "Annual wellness awareness health check-up camp".

6.19 Environment and Housekeeping efforts

a) CII National Award for Excellence in Energy Management 2023:

Kalka workshop has received the **"Energy Efficient Unit award"** by CII during 24th National Award for Excellence in Energy Management 2023 in award ceremony held at HICC, Hyderabad from 13th to 15th Sept'23. Workshop has received this award for reducing its overall SEC by 17%, Scope 1&2 GHG reduction by 25% and substitution of renewable Energy by 27% in last three years.

b) Launch of "14 Minute Miracle" for the cleaning of Vande Bharat Express:

Hon'ble MR launched 14 Minute Miracle Scheme on 01/10/2023 at Delhi Cantt. Railway Station to reduce the turn-around time of Vande Bharat trains. Under 14 minute miracle scheme, as soon as the passengers de-board the train, 03 cleaning staff per coach get on to the train and start the cleaning process with a strict 14 minute deadline which involves disposal of garbage left over by passengers, cleaning of seats, snack tables and pantry with liquid sprays and wipes. The floors are cleaned using water and cleaning cloths on wipers.

c) Swatchhta Pakhwada Campaign 2023:

During 'Swatchhta Pakhwada Campaign 2023', Mechanical C&W wing of NR launched a drive from 16/09/2023 to 02/10/2023 wherein day-to-day activities were covered. During the pakhwada, special attention was paid on cleaning of coaches, washing lines, stabling lines, office areas, depot premises and scrap disposal. Swatchhta pledge was also undertaken at various depots.

d) Celebration of World Environment Day:

World Environment Day was celebrated across all coaching depots and freight depots. On this occasion, approx. 480-nos. trees were planted.

e) Zero Waste Railway Colony at S.P. Marg and San Martin Marg Railway colonies:

A pilot project for transformation of premier colonies of NR, namely S.P. Marg and San Martin Marg Railway Colonies into Zero-Waste colonies, through a collaborative partnership with the Why Waste Wednesdays Foundation, on a pro bono basis have been undertaken. A zero-waste colony is a colony from which waste sent to the landfill is minimal or as close to nil as possible. Thus, most of the wet waste generated in such colonies is processed within the premises and dry waste is segregated and reused/recycled by involving the informal sector/authorized recyclers in accordance with Solid Waste Management Rules 2016 and amendments thereto.

A presentation regarding the initiative was delivered to GM/NR on 06/02/2024. GM/NR approved the project. A letter was written to DRM/DLI requesting to examine the report furnished by Why Waste Wednesdays Foundation and prepare a detailed action plan listing various activities required to be carried out for the subject work, their timelines, resources required for each, responsibility for various activities etc. Why Waste Wednesdays Foundation conducted a profiling of the households and collected data regarding the existing waste management system through a door-to-door survey by the

volunteers. From February 14 - March 17, 2024, housekeeping staff of the contractor and volunteers from WWWF conducted door-to-door awareness campaigns in the colonies. Flyers were distributed by DLI division educating residents about wet and dry waste distributed to households. Civil work of conversion of one dhalao into MRF and composting plant has been completed in September 2024. The next plan includes construction of MRF & Composting shed at San Martin Marg colony, installation of composting modules at both the colonies, leaf composters to process horticulture waste at S P Marg colony and Reduce-Reuse-recycle (RRR) centre at S P Marg colony.

f) Northern Railway Headquarters Office, Baroda House: a Zero-Waste Complex:

A tour of Baroda House was conducted on 26.09.2022, led by CME/Plg & EnHM, accompanied by a team of experts, SSE/G/Baroda House, JE/EnHM, and representatives from the housekeeping contractor to inspect the existing Waste Management system and to enable Baroda House to become a zero waste complex. The matter was raised again on 06.02.2024 during the meeting held with GM/NR, in presence of AGM/NR, PHODs and other officers of NR.

The observations and suggestions made by the experts regarding the survey of waste management in Baroda House have been communicated to the DGM office via a note dated 12.12.2022. A request has been made to the DGM office that necessary action may be taken to enable Baroda House to become a zero-waste complex. It has also been requested to intimate this office with the status of progress made in this project and an action plan with timelines, prepared in consultation with all stakeholders.

g) Mission LIFE Campaign:

Mission LIFE is a part of Hon'ble PM's vision for 'mindful and deliberate utilization, instead of mindless and destructive consumption' that was launched on 20th October 2022 to protect and preserve the environment. An action plan has been approved by the competent authority of Railway Board, wherein, different activities have to be undertaken in the weeks approaching 5th June. In this regard, various banners, posters and standees were displayed with Mission LIFE logos and themes to increase awareness amongst officers and staffs in HQ office Baroda House.

h) Observance of Swachhata Pakhwada from 16th September to 2nd October' 2023:

Swachhta Pakhwada was effectively conducted from September 16, 2023, to October2, 2023, by all the Divisions and workshops across the Northern Railway. The activities recommended by the Railway Board were executed successfully during the Pakhwada.

Throughout the Swachhata Pakhwada, various activities such as Prabhat Pheries, Nukkad Nataks, Swachh Samwad, seminars, track cleanliness, and awareness campaigns were carried out. Various cleanliness campaigns for tracks, stations, trains, pantry cars, washing lines toilets, water booths, etc. were organized. Special attention was paid to removal of garbage from Railway premises.

As part of the “Swachhata Hi Seva” movement mega Cleanliness drives/shramdaans were conducted at various premises of Northern Railway on October 1 2023 for one hour at 10 AM. Senior officials like PHOD, HODs, CWMs, DRMs and ADRMs along with others officers participated in the cleanliness drive/Shramdaan at various premises of Railway. The Hon’ble CRB and CEO, Railway Board also participated in the drive along with other officers from Railway Board.

Special campaign under the mission “14 Minutes Miracle” for cleaning of Vande Bharat rake was organized at Delhi Cantt Railway station. Hon’ble MR was available to witness the special campaign for cleaning of Vande Bharat rake in 14 minutes. He also interacted with the passengers and media persons.

In addition to this, the birth anniversary of Mahatma Gandhi was observed on 2nd October in a befitting manner.

Hon’ble Sh. Ashwini Vaishnaw, Minister of Railways during cleanliness drive at Delhi Cantt Railway Station

PCME/NR, CME (Plg & EnHM) and other officers of NRHQ during cleanliness drive at Delhi Cantt Railway Station

i) Special Campaign 3.0

Special Campaign 3.0 was celebrated extensively all over Northern Railway from September 15, 2023, to October 31, 2023. The purpose of this campaign was "Swachhta in Government Offices and disposal of pending matters" which was complied with great success by Northern Railway. This campaign was organized into two phases:

- Preparatory Phase from 15th Sept, 2023 to 30th Sept, 2023
- Implementation phase from 2nd Oct, 2023 to 31st Oct, 2023

The key parameters of the campaign included addressing pending references, reviewing and easing rules, effective record management and ensuring the overall cleanliness of government offices. This encompassed cleaning campaign sites, space management, beautification of offices and the proper disposal of scrap.

Daily compliance of targets was submitted to Railway Board on Google sheet with high resolution pictures and videos of the Campaign sites before start of Campaign and after completion of activities for further submission to Department of Administrative Reforms and Public Grievances (DARPG). In addition, the campaign also featured the submission of best practice videos, covering areas such as scrap art, heritage preservation, horticulture and wall art to the Railway Board.

Vide DO letter dated 18.01.2024 from Secretary, Railway Board, it has been decided to continue this campaign throughout the year. The progress is being reviewed on a monthly basis at the Railway Board's level. To comply with this extension, monthly reports for are being submitted to Railway Board by EnHM Wing, HQ Office.

6.20 Passenger Amenities

- **Inauguration of Vande Bharat Trains:**
- **Inauguration of 13th rake of "Vande Bharat Express":**

Hon'ble Prime Minister of India flagged off ICF/NR 60/13 rake of NR Engine-less Semi-High speed "Vande Bharat Express" of trains no. 22500/22499 between BSB – DGHR. It was inaugurated on 16th September 2024 with impeccable punctuality, safety & reliability. The train runs 6-days a week between Varanasi to Deoghar.

- **Inauguration of Rohtak-Hansi-Rohtak Special Express train:**

Hon'ble Prime Minister flagged off Rohtak-Hansi-Rohtak Special Express train no. 04487/88 through video conferencing on 16.02.2024. This train having load 8=16 is based for primary maintenance at Jind.

- **Maintenance of Bharat Gaurav Tourist Trains**

20 Bharat Gaurav Tourist Trains were maintained during the period for which highest standards of safety and cleanliness was ensured.

- **Maintenance of Aastha Special Trains**

Meticulous planning was done for maintenance and operation of Aastha Special trains which include up-gradation of coaches with enhanced passenger amenities, deployment of additional staff for maintenance, linen distribution, OBHS &en-route watering, temporary provision for watering at Salarpur, Ayodhya Dham and Darshan Nagar stations, adequate arrangements for lodging of staff and cleaning of trains to the satisfaction of esteemed passengers. 38 NR based Aastha Special trains were maintained during the year.

- **Heritage over NR:**

- NR Mechanical Dept Maintains 14 Vintage steam locomotives at a unique 1893 vintage steam shed located at Rewari. This shed is entrusted with the running of steam special trains from Delhi to Alwar. Rewari Shed has emerged as a sought after tourist destination for steam lovers.
- NR also owns and operates the oldest working steam locomotive in the world, the EIR-22 (Fairy Queen) and also maintains the steam locomotive at Bal Bhawan, New Delhi.
- NR also has one UNESCO world heritage site i.e. KLK-SML mountain Railway apart from historic KVR narrow gauge section.

Highlights-

Rewari Shed-

- PSMT locomotive was lying idle due to boiler leakages. Boiler repair work was executed successfully and the engine was put on steam at National Rail Museum on 02.05.2023.
- The new Aluminum track was specially fabricated for the “Yuganter” (steam Working model) and its trial was successfully done on 28.11.23.

- The steam run trial of the 7000WP (Ashoka) engine/Rewari shed with 03 no. of coaches was conducted successfully from DEC to GHH on 19.01.2024 and a group of 22 tourists took a ride on 20.01.24 from DEC to RE.

6.21 Performance of Mechanical Engg.Dept during 2023-24

S No	Parameters	Target for 2023-24	Performance						Best Ever	
			2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Figure	Year
1.	Ineffective AC coaches (%)	8.50	6.03	6.35	5.12	5.32	5.08	4.93	4.93	2023-24
2.	Ineffective all coaches (%)	7.50	6.14	7.21	5.19	5.33	5.23	5.02	5.02	2023-24
3.	Enroute detachment of coaches (territorial)	9.00	10	13	1	6	3	2	1	2020-21
4.	Enroute detachment of coaches (ownership)	8.55	6	7	1	6	2	7	1	2020-21
5.	Punctuality loss on C&W account / 1000 trains	1.86	2.93	2.91	2.03	2.25	2.21	1.69	1.69	2023-24
6.	ROH of wagons	9600	12254	11051	12028	12314	9543	11449	12314	2021-22
7.	Enroute wagon detachment	38	36	33	28	26	22	29	22	2022-23
8.	Wagon ineffective (%)	2.75	3.59	3.15	3.36	2.74	2.48	2.73	2.48	2022-23
9.	Train partings	101	10	10	8	18	112	23	8	2020-21

Coaching (Elect)-TL-AC:2023-24

SN	Item No.	Performance					Best Ever	
		19-20	20-21	21-22	22-23	23-24	Figures	Year
1	**Certified NON AC (CNAC)**							
1.1	-	0	0	0	0	0	0	23-24
2	**Short Service**							
2.1	-	0	0	0	0	0	0	23-24
3	**%age ineffective of coaches**							
3.1	SG	0.07	0.021	0.064	0.091	0.097	0.021	20-21
3.2	EOG	0.06	0.038	0.060	0.071	0.050	0.038	20-21
3.3	Conventional	0.002	0.002	0.003	0.005	0.005	0.002	20-21
3.4	Power Car	0.22	0.143	0.659	0.698	0.483	0.143	20-21

चिकित्सा

MEDICAL

General Manager's Annual Narrative Report 2023-24

महाप्रबंधक की वार्षिक वर्णनात्मक रिपोर्ट 2023-24

Chapter VII

7.1 About the Department

Northern Railway Network passes through the states of Uttar Pradesh, Haryana, Punjab, Himachal Pradesh, Jammu & Kashmir, Delhi and Union Territory of Chandigarh. The Railway System extends right from the hills of Himalayas in north and covers the best part of Gangetic plains.

The Medical Department of Northern Railway provides comprehensive health care services comprising of preventive, promotive, curative and rehabilitative care to Railway population and beneficiaries of RRECHS & RELHS. Bonafide passengers who take ill during their journey are also given medical assistance, on payment as per the norms stipulated by the Railways. It has an important role in the functioning of this Railway by Provision of Curative, Preventive, Promotive and Rehabilitative Health Services.

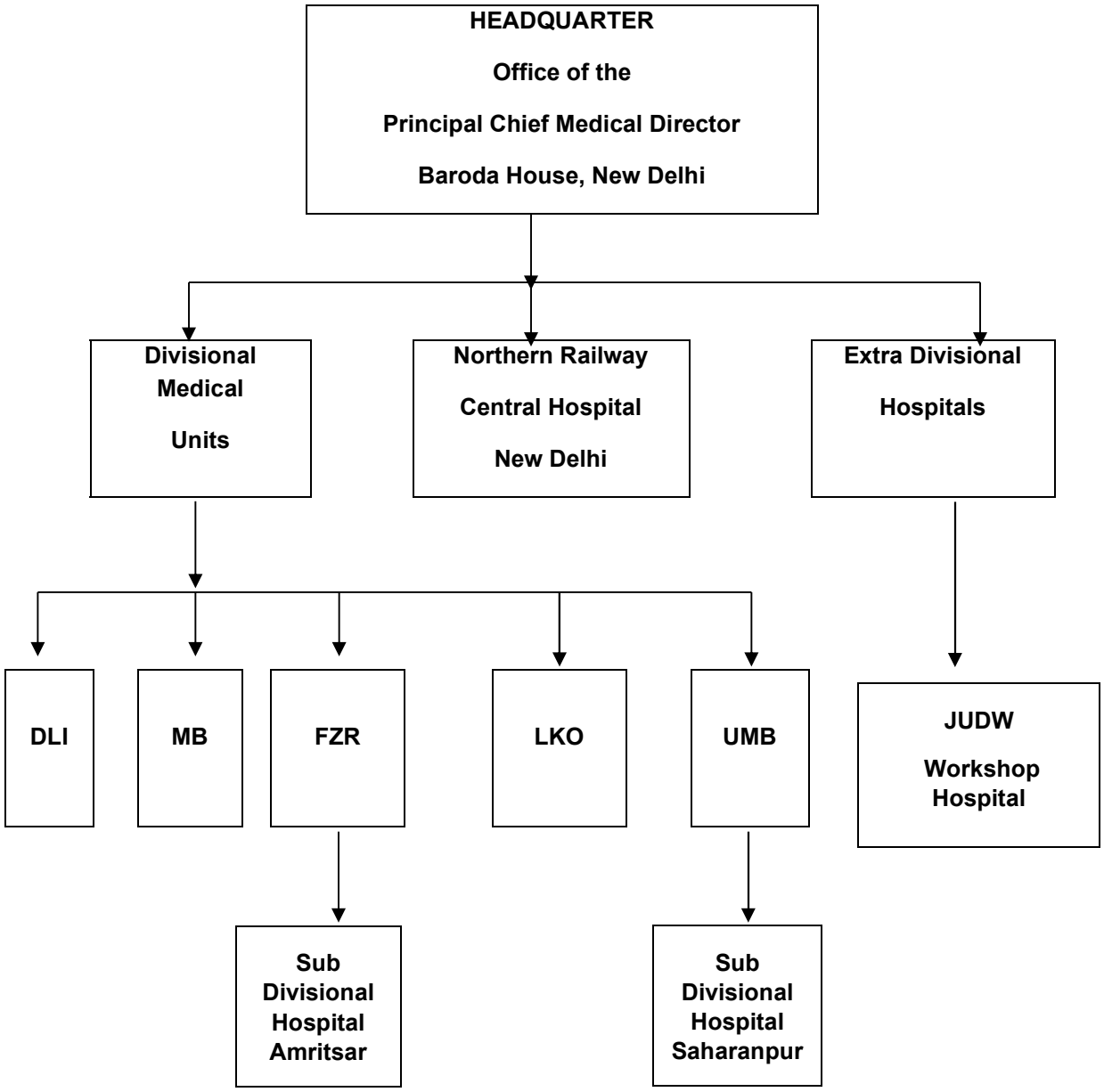
Occupational Health Services, including pre-employment and in-service Periodical Medical Examinations, Examination under Workmen's Compensation Act, monitoring of safety environment of Workshops etc. other activities include:

- Medical relief during Railway Accidents.
- Emergency Medical assistance to Railway passengers who take ill during their journey.
- Implementation of Food Safety and Standards Act within Railway premises.
- Monitoring of quality of drinking water in Railway Stations and Railway Colonies. Monitoring of Surface sanitation of certain Railway Colonies and some nominated Railway Stations.
- Reproductive and Child Health Services including Family Welfare and immunization of vulnerable groups.
- Implementation of National Health Programmes.

Medical Department is committed to the Mission Statement, Which is

"Total Patient Satisfaction Through Humane Approach & Shared Commitment of every single Doctor and Paramedic to Provide Quality Health Care Using Modern & Cost Effective Techniques and Technologies."

Organization Chart of Medical Department



7.2.1 Establishment

Northern Railway has an established chain of medical care institutions under its jurisdiction to cater to the needs of about **1,29,262** Railway employees and their families **2,68,569** and **1,28,523** retired Railway beneficiaries.

7.2.2 Categories of Institutions

i.	**Central Hospital, New Delhi**	**:**	**01**
ii.	**Divisional Hospitals**	**:**	**05**
	DLI, LKO, MB, UMB, FZR		
iii.	**Sub-Divisional/ Workshop Hospitals**	**:**	**03**
	Amritsar, Saharanpur, EDH/Jagadhari Workshop		
iv.	**Health Units**	**:**	**62**

S No.	Division/Under control of Hospital	No. of Health Units	Name of Health Units
1.	NRCH/NDLS	06	S. P. Marg, Basant Lane, Baroda House, Tilak Bridge, Sarojini Nagar, Lajpat Nagar.
2.	Delhi	17	Tuglakabad, Anand Vihar, Shakur Basti, Punjabi Bagh, Delhi Kishan Ganj, Delhi Shahdara, Arya Nagar/GZB, Bhoor Sen Colony/GZB, Faridabad, Sonipat, Jind, Panipat, Rohtak, Meerut City, Shamli, Noida, Gurugram.
3.	Moradabad	11	Balamau, Roza, Shahjanpur, Hapur, Chandausi, Najibabad, Haridwar, Dehradun, OSG/Jharipani,, Laksar, Bareilly.
4.	Lucknow	12	Hazrat Ganj, C&W/LKO, Loco Workshop/LKO, Running Shed, Sultanpur, Unnao, Partapgarh, Varanasi, Faizabad, Jaunpur, Barabanki, Rae-Bareli.
5.	Firozpur	10	Amritsar M, Amritsar Workshop, Ludhiana, Jalandhar City, Jalandhar Cantt, Kot Kapura, Pathankot, Jammu Tawi, Sri Mata Vaishno Devi Katra, Badgam.
6.	Ambala	05	Shimla, Bhatinda, Dhuri, Kalka, Chandigarh.
7.	JUDW	01	Sonipat (RCNK)
	Total	**62**	

7.2.3 Lockup Dispensaries/First Aid Post

The locations of lock-up dispensaries are as follows:

S. No.	Division	No.	Name of dispensaries/First Aid Post
1.	Delhi	1	S&T Workshop/GZB (First Aid Post)
2.	Moradabad	2	Hardoi & South Colony Harthala
3.	Firozpur	1	Bajnath Paprola
	Total	**04**	

7.2.4 Man Power Resources

The sanctioned strength of staff is 266 Medical Officers (Including 06 Dental Surgeons), 09 Assistant Nursing Officers, 01 Assistant Health Education Officer, 02 Assistant Pharmacy Officers, 01 Assistant Health Officers and 01 Designated Officer & 04 Food Safety Officers (group-C), 1410 paramedical group 'C' employees including ministerial Staff and 1751 Group 'D' employees. Northern Railway Central Hospital is recognized for imparting training to 23 Sr. Residents 60 DNB, 12 Jr. Residents. Vide Railway Board letter No. 2015E(GC)10-2(IRHS)(64)26/08/2022 cadre review of IRHS done by Railway Board, sanction strength of IRHS is over NR now 266.

7.2.5 Sanctioned Cadre

a. Gazetted staff (Group 'A' & 'B')

Gazetted Post over Northern Railway Medical Department	Sanction Strength	On Roll	Vacancy
Regular Indian Railway Medical Services Group 'A' post	266	193	73
Para Medical Group 'B' Officers' posts	16	11	5
Total	**282**	**204**	**78**

Post	Permanent	Temporary & WC	Sanction Strength	On Roll	Vacancy
Principal Chief Medical Director (HAG)	02	--	02	02	--
Principal Chief Dental Surgeon	01	--	01	01	--

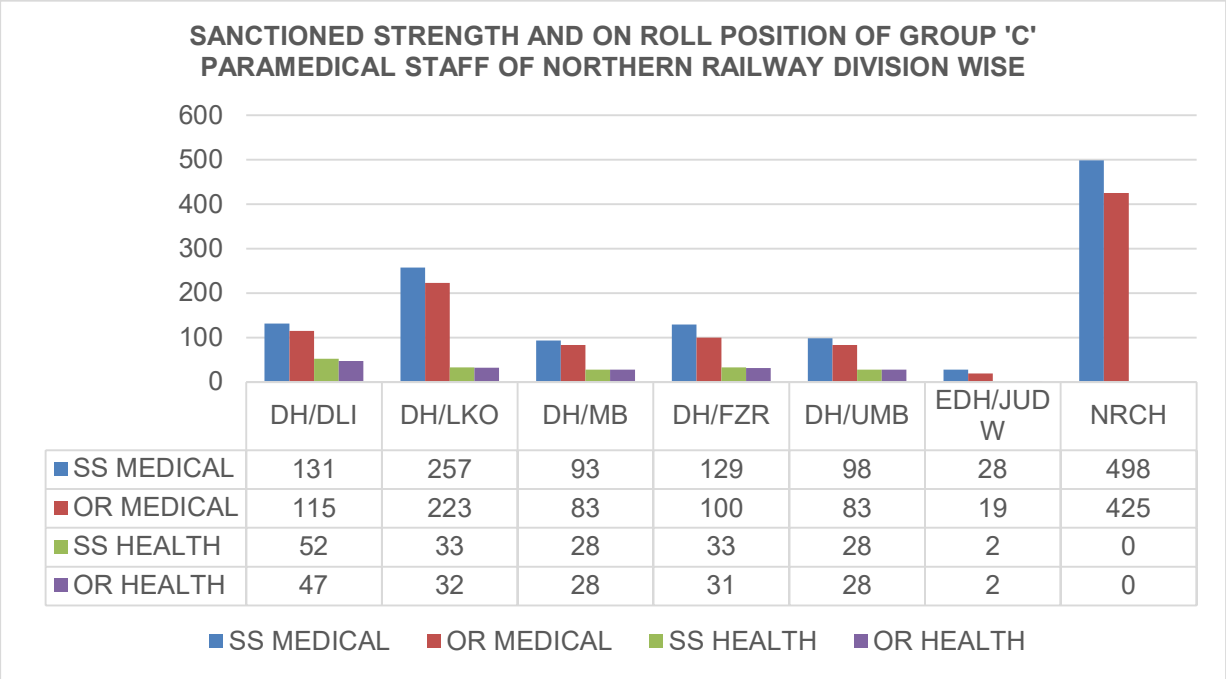
Chief Health Director (SAG)	1	--	1	1	--
Medical Director/ Chief Specialist/ Chief Medical Supdt./SAG	11	--	11	08	03
Addl. CMD/ T & A	1	--	1	1	--
Addl.CMD/ MS	1	--	1	1	--
Dy.CMD/H&FW	1	--	1	1	--
ACHD/ACMS/Sr.DMO/DMO/ ADMO (SAG/ JAG/SS & JS)/ACHD (Dental), Sr.DS/DDS	248	--	248	175	73
Total	**266**		**266**	**190**	**76**

Contract Medical Practitioner posted against Vacant posts					
Group ''B" Officers	**Permanent**	**Temporary & WC**	**Sanction Strength**	**On Roll**	**Vacancy**
Asstt. Nursing Officer	09	--	09	07	02
Asstt. Pharmacy Officer	2	--	2	2	--
Asstt. Health Officer including designated Officer	4	--	4	2	02
Asstt. Health Education Officer	1	--	1	1	--
Total	**16**	**--**	**16**	**12**	**4**

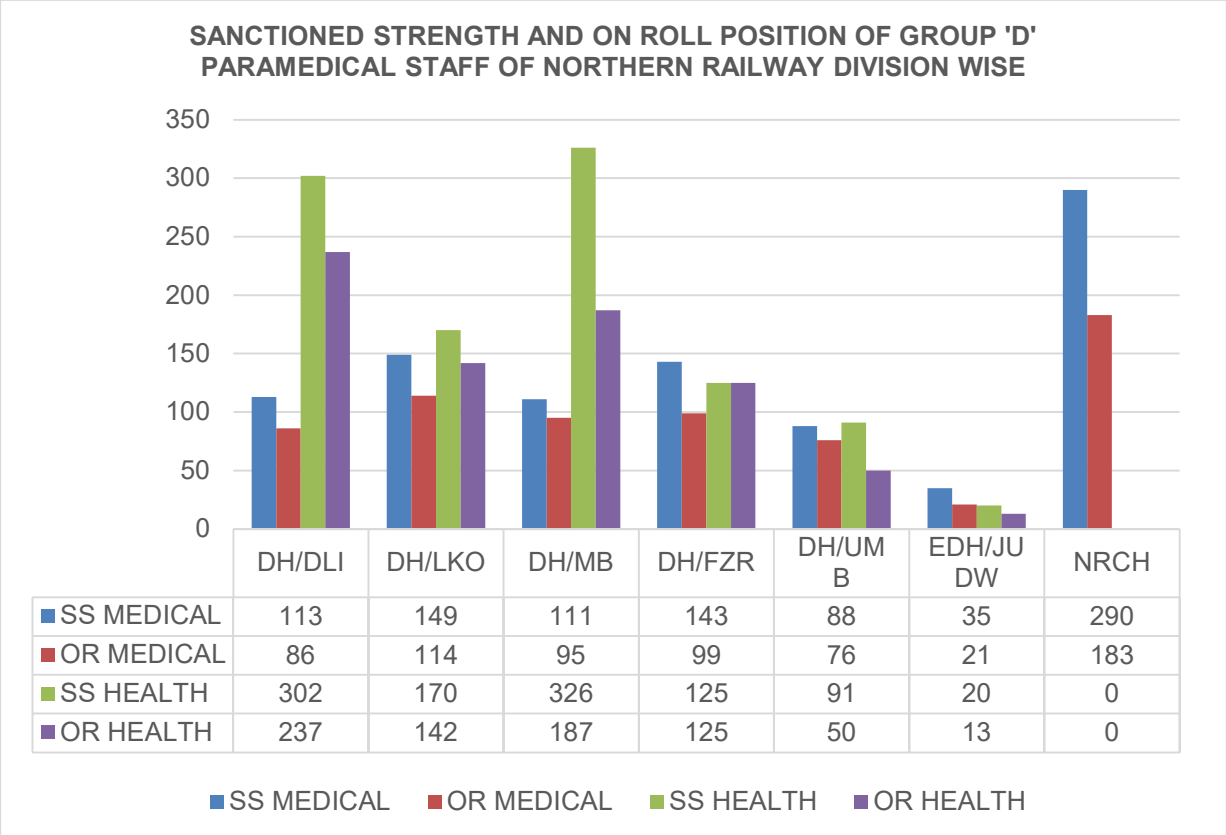
b. Sanctioned Strength of Non-Gazetted staff (Northern Railway)

S.No.	**Particulars**	**Group "C"**			**Erstwhile Group "D"**			**Total**		
		S/S	**On Roll**	**Vac.**	**S/S**	**On Roll**	**Vac.**	**S/S**	**On Roll**	**Vac.**
1	Medical Services	1234	1048	186	929	674	255	2163	1722	441

2	Health Services	175	167	8	848	546	321	1023	713	322
	Total	**1409**	**1215**	**194**	**1777**	**1220**	**576**	**3186**	**2435**	**763**



	DH/DLI	DH/LKO	DH/MB	DH/FZR	DH/UMB	EDH/JUDW	NRCH
SS MEDICAL	131	257	93	129	98	28	498
OR MEDICAL	115	223	83	100	83	19	425
SS HEALTH	52	33	28	33	28	2	0
OR HEALTH	47	32	28	31	28	2	0



	DH/DLI	DH/LKO	DH/MB	DH/FZR	DH/UMB	EDH/JUDW	NRCH
SS MEDICAL	113	149	111	143	88	35	290
OR MEDICAL	86	114	95	99	76	21	183
SS HEALTH	302	170	326	125	91	20	0
OR HEALTH	237	142	187	125	50	13	0

c. Medical Services

GROUP- "C"				Erstwhile GROUP –"D"			
Category	**S/S.**	**OR**	**Vac.**	**Category**	**S/S**	**OR**	**Vac.**
Nursing Personnel	504	470	34	Hospital Attendant(Male & Female)	637	498	139
Lady Health Visitor	0	0	0				
Pharmacists	207	190	17				
X-ray Tech./Radiographer	43	26	17	Kitchen Staff	9	6	3
Physiotherapist	12	10	2	Ambulance Cleaner	5	5	0
Lab Supdt.	56	37	19	Safaiwala (Medical Services)	203	118	85
Dieticians	3	1	2	X-ray Attendant	5	3	2
OT Assistant/Dresser	190	145	45	Lab. Attendant	4	4	0
Ambulance Drivers	18	18	0	Other Group "D" (Peon, Khallasi, etc.)	66	40	26
Ministerial Staff	93	79	14				
Family Welfare Staff	6	2	4				
Other Group "C" (PA, CA, Computer Clerk, Typist etc.)	102	70	32				
Total	**1234**	**1048**	**186**	**Total**	**929**	**674**	**255**

d. Health Services

S.N.	Particulars	Group "C"			Erstwhile Group "D"			Total		
		S/S	OR	Vac.	S/S	OR	Vac.	S/S	OR	Vac.
1	Health & Malaria Inspectors & other Sanitation Staff	175	167	8	848	546	321	1023	713	322
	Total	**175**	**167**	**8**	**848**	**546**	**321**	**1023**	**713**	**322**

7.2.6 Infrastructure

a. Hospitals & Health Units of Northern Railway

Div/Units	Hospital (Beds)				Health Units	Emer-gency Beds in Health Units	Lockup Dispen-sary
	Central & Divisional		Sub-Divisional.				
	Name of Hospital	No. of Beds	Name of Hospital	No. of Beds			
Headquarter	Centre Hospital New Delhi	419	-	-	6	5	-
Delhi	Divisional Hospital	50	-	-	17	21	1
Moradabad	Divisional Hospital	119	-	-	11	13	2
Lucknow	Divisional Hospital .	275	-	-	12	14	-
Firozpur	Divisional Hospital	85	ASR	50	10	32	1
Ambala	Divisional Hospital	60	SRE	15	5	8	-
JUDW	Workshop Hospital	55	-	-	1	--	-
TOTAL		**1063**	**--**	**65**	**62**	**93**	**4**

b. Total No. of Hospitals & Health Units in Northern Railway

Central Hospital	01
Divisional Hospitals	05
Sub Divisional Hospitals	02
Workshop/Production Unit Hospital	01
Health Units	62
Lockup Dispensaries/First Post	4
Total No. of Beds in Hospitals	1128

c. Data of Northern Railway Hospitals

S. No.	Hospital & in charge of Hospital	No. of doctor's		Total	Section area in Km.	No. of employees served	No. of beds provided							Bed Occupancy Ratio		Average Indoor patients/ per day	Average no. of patients per day		Work Load/Drs per day in OPD	
		G. Duty	Specialist				Genl	Male	Female	ICU	Chest	Maternity	Total	Admissions	BOR %		New case	Old case	New case	Old case
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	NRCH/NDLS	6	65	71		14534	310	20	37	21	0	31	419	15702	88	8	285	852	65	28
2	Divl. Hospital Delhi/ CMS	06	12	18	171	4312	42	16	26	Nil	8	Nil	50	1223	38.02	6.17	96	246	32	192
3	Divl. Hospital LKO/CMS	18	19	38	3188.5	408	100	52	39	12	50	22	275	6214	30.95	5	08	09	13	39
4	Divl. Hospital MB/CMS	06	08	14	1401	5795		40	43	06	20	10	119	4377	34.43	4	84.96	326.63	8.49	32.66
5	Divl. Hospital FZR/CMS	3	7	10	280.89	3513+ 1455 =4968	0	32	23	5	4	5	69	2109	57.88	6.82	44.95	83.47	11.23	20.86
6	Sub. Divl. Hospital ASR/ACMS	2	2	4	-	3808+ 4187 =7995	0	26	24	0	0	0	50	1609	39.56	4.32	44.90	83.39	11.22	20.84
7	Divl. Hospital CMS/UMB	12	09	22	829.5	13962	02	20	10	9+9	5	5	60	2293	57.25	6.28	4	2	14	23
8	SDH/SRE ACMS/SRE	02	02 HVS	04	164	4000	01	07	07	-	-	-	15	152	4.73	4.4	0.41	-	73	26
8	Workshop Hospital JUDW/ CMS	8	0	8	0	5262	25	15	15	0	0	0	55	2170	44.67	4.133	140	160	35	40

d. Data of Northern Railway Health Units

S.N.	Name of Health Unit	In charge of Health Unit	Jurisdiction of Health Unit in Km.	Sanctioned strength of Doctors	Sanctioned strength of Paramedical	No. of employees, served (Serving+ RELHS)		Average Employees in sick list/per month	Maternity Beds	Emergency Beds	Average daily OPD attendance		Work load of Dr. per day in OPD	
						Serving	RELHS				New Case	Old Case	New case	Old case
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Delhi Division														
1	Delhi Kishan-ganj	ACMS	Colony	05	20	12766	1983	38	-	01	30	76	10	43
2	Arya Nagar	ACMS	Colony	03	18	4521	2107	42	-	02	43	85	14	29
3	Jind	DMO	292	02	07	3988	932	39	-	01	12.23	54.03	6.11	27.02
4	Meerut	DMO	67	01	06	662	457	31	-	02	16	25	16	25
5	Panipat	DMO	187	01	06	1768	685	32.41	-	01	23.47	32.78	23.47	32.78
6	Rohtak	DMO	244	01	07	4675	746	23.91	-	01	08.10	55.37	8.10	55.37
7	Shakur-basti	Sr.DMO	28	02	09	718	992	40	-	01	04	120	-	60
8	Shamli	CMP	116	01	05	402	126	22	-	01	06	23	06	23
9	Tuglakabad	ACMS	Colony	02	07	6303	979	22	-	02	48	82	24	41
10	Pujabai Bagh	ACMS	20 (Colony)	01	07	977	1496	19.00	-	02	6	52.6	6.00	52.6

11	Anand Vihar	ACMS	Colony (20-30)	01	07	328	1293	20	-	01	40-50	40-50	40-50	40-50
12	Delhi Shahdara	ACMS	39	01	05	569	1017	10	-	-	09	47	09	47
13	Sonipat	CMP	82	01	04	838	836	16.20	-	01	21	43	21	43
14	Bhoor Sen Colony	ACMS	Colony	02	07	7002	2557	40.66	-	01	88	45	88	45
15	Faridabad	ACMS	32	01	05	735	883	22	-	01	20	45	20	45
16	GGN	Consultant	67	01	07	1800	1200	16	-	-	05	45	05	45
17	Noida	ACMS	25	01	05	80	520	01	-	01	05	18	05	18

Moradabad Division														
S.N	**Name of Health Unit**	**In charge of Health Unit**	**Jurisdiction of Health Unit in Km.**	**Sanctioned strength of Doctors**	**Sanctioned strength of Paramedical**	**No. of employees, served (Serving+ RELHS)**		**Average Employees in sick list/per month**	**Maternity Beds**	**Emergency Beds**	**Average daily OPD attendance**		**Work load of Dr. per day in OPD**	
						Serving	**RELHS**				**New Case**	**Old Case**	**New Case**	**Old Case**
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Jharipani	ACMS	O.G.S.	01	08	96	32	0.5	0	15	5.42	20	5.42	20
2.	Dehradun	DMO	40.00	01	07	756	687	34	0	02	09	49	09	49
3	Haridwar	DMO	52.00	01	09	1107	368	30	0	02	03	35	03	35
4	Laksar	CMP	16.00	01	06	950	244	22	01	01	03	20	03	20

5	Najibabad	CMP	216.82	01	06	1165	363	26	0	01	02	27	02	27
6	Hapur	ADMO	179.00	01	06	1036	936	16	0	01	08	28	08	28
7	Chandausi	CMP	129.00	01	06	859	394	23	0	03	11	25	11	25
8	Bareilly	DMO	112.00	01	04	1594	414	95	0	02	03	42	03	42
9	Shahjahanpur	CMP	8.00	01	05	343	189	11	0	01	1.5	26.20	1.50	26.20
10.	Roza	CMP	190.00	02	05	1960	614	84	0	02	11	35	06	18
11	Balamau	CMP	245.00	01	05	1349	199	30	0	02	2	20	02	19

Firozpur Division

S.N.	Name of Health Unit	In charge of Health Unit	Jurisdiction of Health Unit in Km.	Sanctioned strength of Doctors	Sanctioned strength of Paramedical	No. of employees, served (Serving+ RELHS)		Average Employees in sick list/per month	Maternity Beds	Emergency Beds	Average daily OPD attendance		Work load of Dr. per day in OPD	
						Serving	RELHS				New Case	Old Case	New Case	Old Case
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	ASR(M)	CMP	260.5	2	8	2798	180	4	0	0	2.77	5.14	1.38	2.57
2	ASR(WS)	CMP	-	1	4	2043	0	1	0	0	5.09	9.45	5.09	9.45
3	LDH	ACMS	176.44	6	26	6600	3485	73	0	16	34.13	63.38	5.68	10.56
4	JUC	ACMS	228.75	2	18	4282	1350	50	0	5	23.10	42.90	11.55	21.45
5	JRC	Sr.DMO	150.78	1	6	1850	1334	8	0	1	16.23	30.14	16.23	30.14
6	PTK	ACMS	162.52	2	6	2671	895	7	0	3	15.28	28.38	7.64	14.19
7	JAT	DMO	74.80	2	9	2500	90	8	0	1	12.94	24.03	6.47	12.01
8	KKP	-	165.47	1	4	589	134	1	0	-	2.08	3.87	2.08	3.87

9	SVDK	CMP	31.0	1	3	841	8	3	0	1	4.05	7.52	4.05	7.52
10	BDGM	CMP	117.9	1	4	350	5	1	0	-	9.61	17.84	9.61	17.84
11	BJPL	-		1	4	475	0	0	0	0	1.92	3.56	1.92	3.56

Ambala Division

S.N.	Name of Health Unit	In charge of Health Unit	Jurisdiction of Health Unit in Km.	Sanctioned strength of Doctors	Sanctioned strength of Paramedical	No. of employees, served (Serving+ RELHS)		Average Employees in sick list/per month	Maternity Beds	Emergency Beds	Average daily OPD attendance		Work load of Dr. per day in OPD	
						Serving	RELHS				New Case	Old Case	New Case	Old Case
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	CDG	DMO	32.5 Km.	01	03	1175	551	20	Nil	01	05	80	05	80
2	KLK	ADMO	56 Km.	01	14	1105	1131	12	Nil	02	09	61	09	61
3	BTI	ACMS	360 Km.	02	11	4686	1937	40	Nil	04	50	100	25	50
4	DUI	CMP	240 Km	01	04	1874	384	03	Nil	Nil	05	34	05	34
5	SML	DMO	50 Km.	01	03	437	64	09	Nil	Nil	02	06	02	06

Central Hospital/New Delhi (NRCH)

S.N.	Name of Health Unit	In charge of Health Unit	Jurisdiction of Health Unit in Km.	Sanctioned strength of Doctors	Sanctioned strength of Paramedical	No. of employees, served (Serving+ RELHS)		Average Employees in sick list/per month	Maternity Beds	Emergency Beds	Average daily OPD attendance		Work load of Dr. per day in OPD	
						Serving	RELHS				New Case	Old Case	New Case	Old Case
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Basant Lane	Dr. Kamal Kishore	10	2	7	2613	1419	27	0	1	15	65	15	65
2	Lajpat Nagar	Dr Keshav Sharma	9	1	4	1577	1347	6	0	1	5	45	5	45
3	S P Marg	Dr Sakraja	30	1	5	2714	1745	9	0	1	20	30	20	30
4	Sarojini Nagar	Dr Mohd Usman Malik	20	1	5	1091	466	7	0	0	5	20	20	5
5	Tilak Bridge	Dr Neeti Gupta	20	1	5	5400	1886	15	0	1	10	50	10	50
6	Baroda House	Dr Suniti Sharma	0	1	4	0	0	1	0	1	7	45	7	45

e. Data of Heath Units

S.No.	Name of Health Unit	In charge of Health Unit	Jurisdiction of Health Unit in Km.	Sanctioned strength of Doctors	Sanctioned strength of Paramedical	No. of employees, served (Serving+ RELHS)		Average Employees in sick list/per month	Maternity Beds	Emergency Beds	Average daily OPD attendance		Average load/Drs per day in OPD	
						Serving	RELHS				New Cases	Old Cases	New cases	Old cases.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.	**Diesel Shed / HU**	Dr. Ashish Tripathi	Workshop /AMV/LKO	02	09	1810	3000	0	NA	NA	18	26	18	26
2.	**Loco / HU**	Dr. Sarsij Kandpal	LKO	01	07	2550	513	4	NA	NA	10	40	10	40
3.	**C&W / HU**	Dr. S. K. Sinha	Workshop/LKO	02	10	5372	1400	30	NA	01	25	55	25	55
4.	**HZG / HU**	Dr. Ritika	DRM Office Campus/ LKO	01	05	1480	-	11	NA	01	15	08	15	08
5.	**ON / HU**	Dr. Bhupendra	183 KM	01	04	307	88	07	NA	01	15	07	15	07
6.	**BBK / HU**	Dr. Abhishek Gupta	77 KM	01	04	765	76	03	NA	02	04	13	04	13
7.	**AYC / HU**	Dr. Suryansh Patel	166 KM	01	02	1388	750	1	NA	02	10	32	10	32
8.	**SLN / HU**	Dr. Illa Pandey	226 KM	01	06	2380	561	49.41	02	01	16	7	5	2
9.	**MBBD/ HU**	Dr. B. P. Pathak	250 KM	01	06	1770	413	44.1	NA	01	06	16	06	16

10.	**RBL / HU**	Dr. Rashmi Srivastava	169 KM	01	05	1200	398	18	NA	01	10	15	10	15
11.	**JNU / HU**	Dr. B. P. Pathak	139 KM	01	02	1285	327	08	NA	01	05	07	05	07
12.	**BSB / HU**	Dr. K M Mishra	144 KM	01	08	2948	196	49	NA	02	06	31	06	31

a. Specialties-wise Facilities available (Secondary Health Care) in Hospitals

Hosp	SPECIALITIES									
	Surg-ery	Gynec-ology	Ortho-pedics	Physi-Cian	Eye	ENT	Pediat-rics	Dental	X-ray U/S	Path.
CH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DLI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LKO	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
UMB	✓	✓	✓	✓	✓	✓	x	✓	✓	✓
FZR	✓	✓	✓	✓	✓	x	✓	✓	✓	✓
JUDW	x	✓	✓	x	x	x	x	✓	✓	✓
ASR	x	✓	x	x	x	x	x	x	✓	✓
SRE	✓	x	x	✓	x	x	x	x	✓	✓

7.2 Performance of Medical Department during the year

7.2.1 CURATIVE SERVICES

S No.	Particulars	2023-24	2022-23
(A)	No. of Hospital beds per 1000 Employees	8.72	8.72
(B)	No. of Indoor-patients treated		
(i)	Males	20343	20010

(ii)	Females	16464	16684
	Total	**36807**	**36694**
(C)	Bed Occupancy Ratio	**45.32**	**47.97**
(D)	No. of bed days per patient	**5.45**	**5.56**
(E)	No. of outdoor patients		
(i)	Males	1042184	904238
(ii)	Females	765500	734563
	Total	**1807684**	**1638801**
(F)	No. of operations performed		
(i)	Major	7015	6633
(ii)	Cataract	2155	1712
(G)	Diagnostic		
(i)	Investigations	2692236	2422479
(ii)	No. CT Scans/MRI's	**21258**	**18482**

7.2.2 MANDAYS LOST :

	Particulars	**2023-24**	**2022-23**
01	Total no. of RMC issued	31388	26739
02	Total no. of Mandays Lost on RMC	505095	517891
03	Average days per RMC	16.09	19.36
04	Total no. of certificate issued on IOD	1033	1095
05	Total no. of Mandays Lost on IOD	26421	29022
06	Average days per Certificate	25.57	26.50
07	Total no. of certificate issued on PMC	2304	2026
08	Total no. of Mandays Lost on PMC	61646	64404
09	Average days per certificate	26.75	31.78

7.2.3 Financial provisions and expenditure:

The Revised Budget on Medical and Health Services **during 2023-24 was Rs. 6,38,46,18 as compared to 2022-23 where it was Rs. 6,82,03,91**. The detailed budgetary provision and expenditure for 2023-24 compared to 2022-23 is as follows:

(Rupees in Thousands)

Budgetary Head	Particulars	2023-24 Revised	2023-22 AE	2022-23 Revised	2022-23 AE
210	Medical services-control & superintendence at HQ and Divisions.	297,30,37	264,45,97	26,97,44	--
220	Hospitals and Dispensaries excl. cost of Medicines	13.70	1,04,29	14,14	--
230	Cost of Medicines	137,64,23	108,12,79	5,42,83	--
240	Reimbursement of Medical expenses/referrals to private empaneled Hospitals	221,85,68	170,74,68	10,30,51	--
250	Public Health	14,73	0	5,56	--
260	Maintenance of equipment's	10,87,13	5,76,36	25,78	--
270	Cashless Treatment Scheme	0	0	0	--
280	ABPM-JAY Scheme	0	0	1,73,66	--
310	Health & Family Welfare Services:- Sanitation in Railway Colonies.	82,45,98	79,92,89	6,37,13,99	--
	Grand Total	**6,38,46,18**	**5,52,61,16**	**6,82,03,91**	**--**

7.3 Public Health

Northern Railway Medical Department provides sanitation services in nominated Railway Colonies. Engineering Branch looks after water supply including Chlorination of drinking water. Joint inspections are carried out along with Engineering Officials covering the aspects of functioning of chlorination plants, drinking water storage tanks, condition of D.W. distribution system etc. The quality of drinking water is monitored regularly as per laid down schedules. The results of tests i.e. the presence or absence of residual chlorine and bacteriological quality are advised to Engineering Branch from

time to time. Medical Branch carries out the monitoring of food quality including the hygienic upkeep of catering establishments, medical examinations of food handling staff. FSSA Act provisions are implemented in Railway areas. Joint inspections are carried out along with the Officials of Commercial Branch covering aspects of sanitation of stations, upkeep of catering establishments etc. The results of tests of food samples lifted under quality control are advised to respective branches for appropriate action wherever necessary. The FSSA defaulters are prosecuted as per the provisions of the FSSA Act.

7.3.1 Status of Food Samples under FSSAI & Quality Control

S.No.	FSSAI	2023-24	2022-23
i)	No. of food samples collected under FSSAI	220	217
ii)	No. of unsatisfactory reports received under FSSAI	08	6
iii)	No. of Cases filed for adjudication	10	13
iv)	No. of prosecutions launched under FSSAI	0	13
v)	No. awarded punishment under FSSAI	1	7

7.3.2 Family Welfare & other National Programmes

Medical Organization provides Family Welfare Services to Railway population and the Community.

S. No.	Achievement in	2023-2024	2022-2023
1.	Sterilizations	161	153
2.	IUD's	310	483
3.	BCG	8497	1309
4.	DPT	2449	1656
5.	Measles	1827	2148
6.	TT (PW)	1730	1693

Universal Immunizations Programme for children and expectant mothers is an ongoing activity.

7.3.3 Immunization:

S No	Division	BCG	DPT 3rd dose	OPV 3rd dose	Measles	TT (PW)
1	NRCH	799	341	343	425	873
2	Delhi	12	173	173	204	72
3	Lucknow	251	211	264	631	452
4	Moradabad	90	218	218	280	118
5	Firozpur	75	25	71	12	73
6	Ambala	60	116	116	147	142
7	JUDW	0	12	9	53	11
	TOTAL	**1287**	**1096**	**1194**	**1752**	**1741**

7.3.4 Division – wise Family Welfare Activities (2023-2024)

S No	Division	Sterilizations	IUD Insertion
1	**NRCH**	**104**	**118**
1	Delhi	0	16
2	Lucknow	17	151
3	Moradabad	8	0
4	Firozpur	15	0
5	Ambala	17	25
	TOTAL	**161**	**310**

(Figures of NRCH are included in Delhi, JUDW in Ambala)

7.4 Sanitation

Medical Department of Northern Railway is responsible for sanitation of Northern Railway Hospitals, Northern Railway Health Units and Railway Colonies.

7.5 HIV/AIDS Prevention & Control Programme

S No.	Division	Tests done	Found +ve	Deaths
1	NRCH/NDLS	12646	46	0
2	Delhi	676	4	0
3	Lucknow	5618	4	2
4	Moradabad	2135	4	0
5	Firozpur	759	0	0
6	Ambala	154	2	0
7	JUDW	0	0	0
TOTAL		**21988**	**60**	**2**

- **No. of HIV/AIDS patients on ART : 1029**

  (Positive patients advised ART continued medicine by Health units)

- **Availability of Blood Bank : Yes**

7.6 Drinking Water Quality

The number of samples collected for bacteriological quality during the year was **5837 and 96.50%** of samples were found to be conforming to the quality standards.

Division-wise Water samples tested for Bacteriological Quality

S No.	Division	Collected	No. of found fit	% age fit
1	Delhi	2541	2532	**99.64%**
2	Moradabad	250	240	**98.90%**

3	Ambala	678	674	**99.41%**
4	Firozpur	1364	1349	**98.90%**
5	Lucknow	992	826	**83.26%**
6	JUDW	12	12	**100%**
TOTAL		**5837**	**5633**	**96.50%**

Division-wise Water samples tested for Residual Chlorine

The number of samples collected for the presence of Residual Chlorine was **91306, out of which 85.20%** had the required amount of Residual Chlorine.

S.No.	Division	Collected	No. of found fit	% age fit
1	**Delhi**	**27935**	**27211**	**97.40%**
2	Moradabad	16264	13738	**84.46%**
3	Ambala	15586	14778	**94.81%**
4	Firozpur	15381	12218	**79.43%**
5	Lucknow	15390	9103	**59.14%**
6	JUDW	750	750	**100%**
	TOTAL	**91306**	**77798**	**85.20%**

7.7 Surveillance of Communicable diseases

Northern Railway has been actively participating in the implementation of National Health Programmes viz. Control of Malaria, Filaria and other Vector Borne Diseases, Control of Tuberculosis, AIDS Awareness etc. Surveillance is also kept on various other communicable diseases. No communicable disease in epidemic proportions was reported during the year.

Communicable Diseases

A statement showing the no. of attacks and death due to various diseases is as follows:-

S. No.	Name of disease	No. of attacks	No. of Deaths
1.	Cholera	1	0
2.	Plague	0	0
3.	Small Pox	0	0
4.	Malaria	13	0
5.	Other fever/ Enteric fever	3360	0
6	Tuberculosis	340	01
7.	Leprosy	0	0
8.	Diphtheria	1	0
9	Other cases (Influenza, Mumps, Measles, Chicken Pox, Whooping Cough etc.)	65	0

7.8 Health Education:

The importance of Health Education is recognized in Northern Railway. Continuous efforts were made to impart Health Education to various sections of Railway population through Multi-Purpose Health Drives. Medical Officers and paramedical staff gave regular lectures on health topics in various Training Courses. Railway beneficiaries were educated on health related subjects at Railway Health Units.

7.9 Training:

Northern Railway is conscious of the importance of In-service Training as a tool for Human Resource Development. Medical Officers were motivated to participate in the Continuing Medical Education Programme. Following steps were taken in this direction to facilitate their attendance:

- Arranging CME programs.
- On line Seminars were conducted.
- Orientation Training Programme were conducted.
- Weekly online Clinical Meeting for all doctors of NR by PCMD/NR.

A. Gazetted Staff:

S.N.	Medical Officers	Nos.
1.	Total No. of UPSC selected doctors working as GDMO/Specialists	193
i.	GDMO	67
ii.	Specialists	126
2.	Total No. of Doctors attending scientific conferences, once during the year while working as	
i.	GDMO	0
ii.	Specialists	0
3.	Total No. of Doctors attending scientific conferences twice during the year while working as specialist.	0
4.	Number of doctors who underwent professional training of one week more duration	1
i.	Total number of SAG Medical Officers	01
ii.	Number of SAG Medical Officer who attended Hospitals administration training of one week or more duration.	01

B. Training Programme Paramedical:

Training was provided to medical personnel like H&MIs, Nurses, Office Supdt., Safaiwalas, HAs, Radiographers. The modules of training for Group C & D staff were used with some modifications. Matrons, Health & Malaria Inspectors, Office Staff were also sent for Management Development Programmes for senior supervisors.

S.No.	Training of Paramedical Personnel	Nos.
1.	Total number of Paramedical Personnel	1453
i.	Number of Paramedical Personnel trained in-house	1535
ii.	Number of Paramedical Personnel deputed for training to outside institutions	7

7.10 Non-Railway Revenue

There was decrease in the Revenue from Non-Railway sources. Amount collected Rs. 1,17,70,745/- during the year 2023-24 as against 1,01,74,556/- in the previous year.

7.11 Division wise position of St. John Ambulance Brigade

S No.	Division	Ambulance	Nursing	Cadet
1	Delhi	09	04	775
2	Ambala	01	0	35
3	Moradabad	0	0	0
4	Lucknow	01	01	40
5	Firozpur	0	0	0
6	JUDW	0	0	0
	TOTAL	**11**	**05**	**850**

Co-operation was sought and assistance was obtained from various Voluntary Organizations wherever necessary to supplement the Administration's efforts in implementing the National Health Programme. NRWWO, St. John Ambulance Brigade and The Bharat Scouts and Guides have given their valuable assistance in implementing F.W. programmes, Pulse Polio Immunization, First Aid in fairs and festivals etc. Financial assistance was provided to needy employees suffering from chronic diseases such as TB, Cancer and Leprosy from CSBF.

7.12 Accident Relief :

There are 12 ARME Scale-I and 46 ARME Scale-II on Northern Railway to provide rescue and relief at the time of accidents. ARME Scale-I of SRE is of Self Propelled type. The locations of ARME are as follows:

S No	Division	ARME Scale-I	ARME Scale-II
1	Delhi	Delhi	Jakhal, Rohtak, Panipat, Kurukshetra, Muzaffarnagar, Shamli (6)
2.	Lucknow	Lucknow, Ayodhya	Unnao, Barabanki, Raibareli, Sultanpur, Jaunpur, Janghai, Shahganj, Akbarpur, Unchahar, Haldargarh, Varanasi (11)

3.	Ambala	Ambala, Saharanpur, Bhatinda	Shimla, Dharampur (H.P), Kalka, Dhuri, Nangal Dam, Sirhind, (6)
4.	Firozpur	Firozpur Cantt, Ludhiana, Pathankot, Amritsar, Badgam.	Fazilka, Moga, Jammu Tawi, Mukerian, Kotkapura, Baijnath Paprola, Kangra, Patti, Batala, Nawanshahar, Jalandhar City, LohianKhas, Udhampur, Banihal, BDGM (15)
5.	Moradabad	Moradabad, Rosa, Haridwar	Dehradun, Laksar, Najibabad, Hapur, Chandausi, Bareilly, Balamau, Shahjahanpur (8)
	Total	**14**	**46**

7.13 The Highlights of 2023-24

MD/NRCH

Details of New technologies introduced during the year 2022-2023.

1. Orthopaedic Department:-
   i. 3D C-Arm Machine.
   ii. Navigation system for Spine and Joints.
2. Psychiatry Department:-
   i. AIIMS Comprehensive Neuropsychological Tests.
   ii. Rorschach ink blot test(RIBT).
3. Ophthalmology Department:-
   i. Automated perimetry-in house field test for all patients of Glaucoma and Neurological eye diseases.
   ii. MIGS Micro-invasive Glaucoma surgery (Swan Jacob Gonio Lens) done patients of Glaucoma not controlled on topical medications. The MIGS include surgeries like GATT, BANG, KDB glide goniectomy started in house. Trabeculectomy.
   iii. Premium EDOF lenses Enhanced Depth of Focus Intra ocular Lenses for enhanced intermediate vision after cataract surgery without side effects of Multi Focal Lenses.
   iv. Organised Awareness Programmes for NRCH on Work Glaucoma Day 13th March 2024.
   v. Delhi Ophthalmology Society monthly meeting on Sept.2023 organised at NRCH auditorium.
4. Pathology Department:-
   i. Automated ESR Analyser.
   ii. Automated Slide Stainer.
5. Microbiology Department:-
   i. Bio-Safety Cabinet, Class-II, b-2.

ii. Aerial Disinfection System.
iii. Tissue homogenizer.
iv. Deep Freezer(-20^0 c) New test introduced Dengue/Chikungunya PCR Qualitative.

6. Medicine Department:-
   i. Continuous Glucose Monitoring: - For 14 days Glucose monitoring in uncontrolled DM (Type 1 & Type II) patients.
   ii. Lead less Holter Monitoring:- For continuous 72 hrs monitor of cardiac rhythm and rule out arhythmias.
   iii. Diabetic foot Lab:- For better care and management of diabetic foot patients.
   iv. Cath Lab:- Under process for stating coronary Angiography and Angioplasty at our hospital.

Lucknow Division

Details of New technologies introduced during the year- 2023-24:-

1. 13.09.2023 Digital X-Ray Machine was done in Department of Radiology, NRDH/LKO.
2. A New Advanced Dental chair was inaugurated in the Dental OPD on 12.05.2023.
3. Kiosk Machine for self Registration was installed in OPD Registration wing.
4. Bar code scanner have been introduced for OPD registration.
5. Under HMIS/QMS, Total 16 Smart Display units were installed in OPD + Dispensary area of NRDH/LKO.
6. Inauguration of Ayodhya Dham station was done on 30.12.2023 by Honourable P.M. Shri Narendra Damodar Das Modi and in the presence of Hon'ble MR, Hon'ble CM/UP, Hon'ble Governor of UP & Hon'ble Dy. CM/UP, three Medical First Aid Booths are made operational.

Moradabad Division

Details of New Technologies introduced during the Year-2023-24:-

1. Laparoscopy set as per attached specifications for Gynaecology at NRDH/MB .
2. C-ARM image intensifier at NRDH/MB.
3. OT table at NRDH/MB.
4. Slit lamp at NRDH/MB.

Firozpur Division

Details of New Technologies introduced during the Year-2023-24:-

1. STP Plant installed at Divisional Hospital/FZR.
2. Ultrasound Machine installed at Divisional Hospital/FZR.

Special Achievements during the year-2023-24:-

NRCH/NDLS

1. Presented Oral paper on "Distribution of Vancomycin Resistant Enterococci (VRE) amongst various clinical isolates and Vancomycin resistant phenotypes suggested by VITEK 2 Automated system on 26.11.2023 at 46th Annual Conference of Indian Association Of Medical Microbiologists organized by KGMU, Lucknow (U.P) at Atal Bihari Vajpayee Scientific Convention Centre, Lucknow.
2. Presented Oral paper on "A SWOT analysis of implementation of Diagnostic Stewardship Practices" on 24.11.2023 at 46th Annual Conference of Indian Association of Medical Microbiologists organized by KGMU, Lucknow (U.P) at Atal Bihari Vajpayee Scientific Convention Centre, Lucknow.
3. Articles:- Letter to Editor. A SWOT Analysis of the Implementation of Diagnostic Stewardship Practices, Journal of Antimicrobial Stewardship Practices and Infectious diseases. December 2023/ Volume 1/Issue 1
4. Projects:- As Coordinator from NRCH with VMMC, Safdarjung Hospital on an ICMR Project entitled 'MISSION': A Multicentric Capacity building initiative to strengthen the Clinical and Laboratory detection of Melioidosis in India with a special focus on the North Eastern States.
5. Trainings:- Attended training on WHONET for clinical Microbiology Laboratories at GB Pant Hospital, New Delhi on 02nd-03rd May 2023.

Delhi Division

HMIS Effectively manage all the health facilities & its resources Monitor performance of hospitals across the administrative channel Impart quality health care services to its beneficiaries. All Modules of HMIS are implemented–

Registration Module covers the integration of UMID with automatic validation of beneficiary in a seamless manner without any difficulty to the patient. It is functional at all Delhi area Health units. OPD Desk Module covers all the process of Patient Examination and Diagnosis details which will help in generating the Electronic Medical Records, OPD module is functional at Divisional Hospital and at all Delhi area Health Units.

The Pharmacy Module seamlessly connects to easily dispense the medicines prescribed by the doctor and optimize inventory management. It is functional at Divisional Hospital, DSA, PB, DEE and DKZ Health units.

Investigation module, IPD module and Inventory module also started at NRDH.

Self registration for HMIS also started at NRDH.

The status of implementation of various Modules of HMIS is implemented as below:-

S No	Modules	To be Implemented at	Currently Implemented at
1	OPD	SNP, SMQL	NRDH, DKZ, PB, SSB, JHI, DSA, MTC, DEE, TKD, ANVR, ROK, PNP, FDB, GZB, BHOOR, NOIDA
2	Pharmacy	SNP, SMQL	NRDH, DKZ, PB, SSB, JHI, DEE, TKD, ANVR, DSA, PNP, MTC, FDB, ROK, GZB, BHOOR, NOIDA
3	Investigation	-	NRDH (NA for HUs) Completed
4	IPD	-	NRDH (NA for HUs) Completed
5	Inventory	GZB, SMQL	NRDH, DKZ, PB, SSB, DEE, TKD, ANVR, DSA, ROK, JHI, PNP, MTC, FDB, GZB, BHOOR, NOIDA

i. Health Check-up camp for Railway Beneficiaries

Annual Wellness Awareness Camps & Multipurpose camps

Annual Wellness Awareness Camps were organized at different workplaces under jurisdiction of Divisional Hospital N. Rly. Delhi. Camps were held at HU , Rly. Station and different Railway workshops under Delhi division, where a total of 12196 employees and their family members were examined.

ii. Swachata Hi Sewa Pakhwada

Swachata Hi Sewa Pakhwada organized at Divl. Hospital Delhi and its Associated Health Units from 16.09.2023 to 02.10.2023(details are as under;).

Swachhta pledge was taken with all Railway Medical staff and Officers by CMS/DLI Dr. Shyam Sunder at Divisional Hospital and by Health unit In-charges at their respective health units and by CHI in CHI's office.

iii. Awareness campaign-

Swachh Samwad Cleanliness lectures to railway public were given. Painting and posters on the theme of cleanliness were organized in the premises in Divisional Hospital and health units to stress upon the need of proper sanitation and upkeep of clean premises by the participation of public.

iv. Cleanliness Drive –

Intensive cleanliness drive was conducted at various Railway Colonies, in Hospital and HU .

v. Mosquito Terminator Train-

It was flagged off By ADRM/DLI & CMS/DLI from NDLS Station to control vector born diseases like Dengue and Malaria, it will spray insecticides during train movements to sanitize the areas up to 50-60 meters along the track on ring railway along with 6 nominated route from date 18/08/2023 to 23/09/2023. To control vector borne disease, awareness drive and fogging work was also carried out at different Railway colonies to stop mosquito breeding.

Shot on OnePlus
New Delhi, Delhi Division, 2023.07.28 13:30

Lucknow Division

A. On occasion of ***"AMRIT BHARAT STATION YOJANA STHAPANA DIWAS"*** on 06.08.2023. 15 No. of First Aid Booth were setup by NRDH/LKO. At each of 15 stations.(Amethi, Darshan nagar, Barabanki, Bhadohi, Jaunpur, Shahganj, Utraitya, Pratapgarh, Prayag, Phoolpur, Jhanghai, Raebareli, Sultanpur, Unnao, Kashi).
B. A First Aid & Basic life support Orientation cum hands on practice of CPR on Meniquin Secession in collaboration of St. JOHN AMBULANCE for paramedical and ministerial Staff was conducted on 21.07.2023 in NRDH/LKO. Total 70 people participated.
C. A Fire Fighter Training Session was organized on 05.08.2023 at NRDH/LKO. About 80 people attended the secession. Doctors and paramedical staff actively participated in the training secession.
D. Inauguration of renovated "**CRITICAL CARE WARD"** on 12.02.2024 at NRDH/LKO.
E. First Aid Post will be operated in the circulating area of Ayodhya Dham Station (02), Ayodhya Railway Station, Dharshan Nagar Railway and Salarpur Railway Station.

i. Health Awareness Camps 2023-24:

A. 20 June 2023 camp was organized by all the 12 Health Unit at various Work places and railways stations of Lucknow Division to spread **AWARNESS** and **Prevention** of **HEAT STROKE**. Total No. of 349 Railway Employees were covered. They were given Health Talks and ORS packets were distributed.
B. *"EDUCATIONAL & HEALTH CHECK UP CAMP"* was held on 12.07.2023 at Diesel Training Camp by Diesel shed HU & Dr. Ashish Tripathi gave a Health Education Talk.
C. On occasion of World Hepatitis Day, on 28.07.2023 total no of 15 group 'D' Staff were vaccinated against Hepatitis-'B'.
D. A MULTI SPECIALTY MEGA HEALTH CHECK UP CAMP was organized on 04.08.2023 at loco running shed HU. A group of specialist doctors. A total no of 207 people attended the camp. Special efforts were made to create awareness of on going viral conjunctivitis by Dr. Shivangi Shukla.
E. 09.12.2023 & 18.12.2023- Annual Wellness Awareness Camp was organized at Loco Health Unit.
F. 01.01.2024- Annual Wellness Awareness Camp was organized at ON Health Unit.
G. 01.01.2024, 05.01.2024, 09.01.2024, 10.01.2024, & 12.01.2024 - Annual Wellness Awareness Camp/RPF was organized at C&W Health Unit.
H. 31.01.2024- Annual Wellness Awareness Camp was organized at BSB Health Unit.
I. 16.02.2024- Annual Wellness Awareness Camp was organized at Diesel Shed Health Unit/LKO.
J. 20.02.2024- High Blood pressure Check-up Camp at Ayodhya Dham Railway Station.
K. 23.02.2024- Basic Life & CPR Training Programme at Ayodhya Dham Railway Station.
L. 19.02.2024- Annual Wellness Awareness Camp was organized at C&W Health Unit/LKO.
M. 28.02.2024- Health Awareness Camp was organized at Varanasi Health Unit/LKO.
N. 02.03.2024- Officer Health Awareness Camp was organized at NRDH/LKO.
O. 07.03.2024- Health Awareness Camp was organized at Varanasi Health Unit/LKO.
P. On the occasion of International Woman's Day, Northern Railway Women Welfare Organization members and Chief Medical Superintendent, Medical Officers organized a women health camp to emphasize the importance of cancer screening and to improve at Northern Railway Divisional Hospital, Luckow.
Q. 11.03.2024- Annual Health Awareness Camp/RPF was organized at Loco Health Unit/LKO.
R. 16.03.2024- Health Awareness Camp was organized at NRDH/LKO. 59 Retired Employee participate in camp.
S. 22.03.2024- Health Awareness Camp was organized at Loco Health Unit/LKO.
T. 28.03.2024- Annual Awareness Camp/RPF was organized at Varanasi Health Unit/LKO.

U. 30.03.2024- Annual Awareness Camp/RPF was organized at Ayodhya Health Unit/LKO.

ii. Annual Wellness Awareness Camps:

Annual Wellness Awareness Camp was organized –

Total People attendance- 5714
Total HTN Cases- 380
Total DM Cases- 357
Total Anemia Cases- 25

iii. Radiology Department of NRDH/LKO:

Total No. of CT Scan- 1275
Total No. of Coronary Angiography- 37
Total No. of USG- 3293
Total No. of X-Ray- 7193

Moradabad Division

A. On the occasion of World Malaria Day on 25.04.2023, under a special campaign, anti-mosquito spray and fogging was done in the Railway Colony and special attention was also given to cleanliness.
B. On 03.05.2023, children were given dose/vaccination under a special campaign on the occasion of World Immunization Day in Divisional Hospital, Moradabad. Patients and paramedical staff were made aware of this on World Genetic Disease Day on 16.05.2023.
C. On the occasion of 'World Hypertension Day' on 17.05.2023, patients and paramedical staff were made aware about it and told about the methods of its prevention and treatment.
D. On the occasion of World 'No Tobacco Day' on 31.05.2023, information was given to the paramedical staff and patients in this hospital about the ill effects of tobacco on physical and mental health and advised to stay away from its consumption.
E. On the occasion of 'World Food Safety Day', seminars were organized at Moradabad and other stations of this division on 07.06.2023 and inspections were also conducted in which the concerned employees and food vendors were made aware about manure safety.
F. On the occasion of World Heart Day at Divisional Hospital. Moradabad on 29.09.2023, the OPD hall was guarded by medical staff, patients and her attendants were made aware through lectures and videos about prevention of heart diseases.
G. On the occasion of World Mental Health Day on 10.10.2023, a lecture was given by the doctors in the OPD hall of Divisional Hospital, Moradabad to paramedical staff and the patients in which mental disorders due to depression in modern lifestyle and measures to prevent them were given.

H. On 13.12.2023, a health check-up camp for retired railway employees and their dependents was organized under the joint aegis of Divisional Hospital, Moradabad and Retired Railway Karmachari Samiti at Divisional Hospital, Moradabad, in which a total of 75 retired railway employees and their dependents were examined.

I. On 15.12.2023, a health check-up camp was organized for the students of Kendriya Vidyalaya Moradabad in which a total of 106 students were examined.

J. Under the Polio immunization campaign in the colonies, doses were given to 663 railway and 1095 non-railway children from 11.12.2023 to 15.12.2023.

K. Health checkup of 90 students of Oak Grove School Jharipani was done by Health Unit Jharipani.

L. On 'World Cancer Day' on 05.02.2024, a presentation and lecture about cancer detection and awareness was given by Ujala Bright Star Hospital, Moradabad in the OPD hall of Divisional Hospital Moradabad, in which the patients including doctors and paramedical staff of Divisional Hospital Moradabad were also present.

M. On 13.02.2024, a camp for TB and AIDS control was organized by Health Unit Haridwar in which railway beneficiaries were given information about TV and AIDS control.

N. Works Programme-

A- Central block for Divisional Hospital, MB (3 storey) has been sanctioned by Railway Board.

B-Proposal for Modular OT has been sent to Sr.DEN(C), MB under revenue head. Still with Sr.D.EN. (C), MB.

C-Proposal of STP and ETP Plant sent, revised estimate vetted by Accounts and NIT issued.

O. Swachchhta Pakhwara campaign from 01.10.2024 to 15.10.2024 over Moradabad division as following i.e. Mass Swachhta pledge and Swachhta awareness, celebration of Mahatma Gandhi Jayanti and Swatch Bharat Diwas, clean working place and clean residential premises, swachch ahar and swachch water and single use plastic.

P. Solid Waste Management implemented for Swachch Bharat Mission in North colony, Moradabad division.

Q. On the occasion of Shri Ram Mandir poor mahotsav and special trains for it a team of Medical & Health staff i.e. CHI, OTA, HA and PHR etc. deputed for First Aid & assist of Ayodhya teerth yatri health awareness and cleanliness on Ayodhya station.

R. Bio Medical Waste through outsource implemented in Health Unit Jharipani and Dehradun and Haridwar, Bareilly, Shahjahanpur & Rosa under process.

S. Outsource activities of comprehensive cleaning work, conservancy work & paste control work being achievement as per target.

T. First Aid booth was setup at Laksar & Haridwar station during flooding in rainy season.

U. First Aid booth was setup at at Roorkee station during Kaliyar station.

Ambala Division

उत्तर रेलवे मंडल चिकित्सालय,अंबाला छावनी में **वर्ष 2023-2024** में किये गए कार्यो कि सूचि |

1. 'World No Tobacco day' & Poster Making Competition was organised on 30th May at NRDH/UMB.

2. 5th June 'World Environment Day', Counselling of Railway Beneficiaries regarding preservation of water, electricity and trees plantation was done in OPD Complex at NRDH/UMB

3. 21.06.2023 उत्तर रेलवे मंडल चिकित्सालय में विश्व योग दिवस मनाया गया| जिसके अंतर्गत मरीजो को Yoga for menstrual problems, Geriatric problem, yoga for Spine problems के बारे में बताया गया |

4. 07.07.2023 उत्तर रेलवे मंडल चिकित्सालय में विश्व जनसंख्या दिवस मनाया गया और मरीजो को control of population by various contraceptive के बारे में जानकारी दी गयी |

5. PCMD inspection was held on 21.07.2023 at NRDH/UMB.

Operation theater

Dental Care Department

OPD

Laboratory

6. Breast feeding promotion week celebrations at Ambala Division (1st August 2023) with following activities:-
   - All antenatal cases counseled about importance of breast feeding . Around 21 pregnant ladies attended the session. Dr Urmil Gupta SrDMO/UMB emphasizes the importance of good diet during pregnancy and post delivery for successful breast feeding. Benefits of breast feeding for mother and child explained in detail. Session concluded with clearing all doubts of would be mother.

   - Dr Neeti Nisha ADMO/ CDG organised health talk and promoted breast feeding by counselling ladies attending Chandigarh dispensary to spread the awareness regarding importance of breast feeding.

7. Intensified Mission Indradhanush IMI 5.0 week celebrations at Ambala Division 7th August to 12th August 2023 Intensified Mission Indradhanush (IMI) 5.0, the nationwide vaccine catch-up campaign, which focusses on reaching zero-dose children aged between 0-5 years and pregnant women to ensure that they do not miss out on any vaccination, was launched as per State directions on Monday with following activities:-

   - Ambala Divisional Hospital is now registered on the Uwin portal. Under this all antenatal cases, delivery cases, immunisation of babies will be centrally registered and they can access their immunisation card anywhere in India. Ambala Divisional Hospital is also registered on Ayushman bharat for free immunisation of all kids including non railway under Haryana government free national immunisation scheme.

- All antenatal cases checked regarding their immunisation status and if any left they are vaccinated on 9th August and registered on Uwin portal. Dr Urmil Gupta SrDMO/UMB emphasize the importance of immunisation and motivated them to spread awareness regarding immunisation of babies and pregnant ladies.
- On 10th August immunisation session held under Uwin portal and if any child vaccine left it is given. Staff nurses and CNS participated actively in registration and creating awareness.

8. 5 Pledge was taken on 16.09.2023 by all Medical staff during the swachhata pakhwada at NRDH/UMB. Various cleaning activities were done in Ambala Division including Health Units.

Railway Colony UMB

BTI /Health Unit

CDG/Health Unit

9. Training of staff nurse at NRDH Ambala regarding ANC check-up and use of fetal Doppler.

10. Cancer awareness health talk was given by Dr.Urmil Gupta to OPD patients.

11. Pharmacists day was celebrated with appreciation of pharmacists work on 25.09.2023.

12. A school health check up camp was organised on 22/09/2023 at Holly Angel School/UMB cantt run by NRWWO/UMB from play way to class IVth Camp was organised under the guidance of Mrs. Kulpreet Bhatia, President/NRWWO/UMB in presence of Dr. Asha Rani/CMS/Ambala. Health Check-up included height, weight, complete eye check up, dental checkup, throat, gums, heart, lung and general examination.

Medical health check-up slip with instructions handed over to each child parent through class teacher, regarding further treatment. Instructions were given to Principal to held parent teacher meeting and spread awareness regarding childhood illnesses as discussed during medical check up camp.

13. Health talk was given by Dr. Shweta (Ayush Doctor) to railway beneficiaries on the occasion of Ayurvedic Day (11.09.2023).

14. 14.11.23 on world diabetes day diet counselling and importance of yoga discussed at NRDH/UMB.

15. World AIDS day (theme) Remember and commit. Awareness created. Universal precaution explained. Information provide regarding treatment modalities and availability.

NRDH/UMB

BTI/Health Unit

16. यूएमबी स्टेशन पर दो वंदे भारत ट्रेनों के उद्घाटन अवसर पर 30.12.2023 को रेलवे स्टेशन यूएमबी पर प्राथमिक चिकित्सा बूथ का आयोजन किया गया था।

17. (Comprehensive Health Care) Medical Shield, Central and Northern Railway (Jointly) Railway Minister's shield program was organized on 22nd December 2023.

18. First Aid Booth were organised at Railway Station of Ambala Division for the passengers of Ayodhya Special Astha express.

19. माननीय महाप्रबंधक महोदय / उत्तर रेलवे, प्रधान कार्यालय, बड़ौदा हाउस, नई दिल्ली द्वारा रेलवे सप्ताह पुरस्कार समारोह-2023 के दौरान चिकित्सा विभाग / अंबाला को सराहनीय कार्य करने के लिए 02 शील्ड (Family Welfare Shield, Divisional Hospital Shield) प्रदान की गयी |

20. दिनाक 23.03.2024 को हेल्थ यूनिट बठिंडा में रक्त दान कैम्प का आयोजन किया गया जिसमे 30 लोगो ने रक्त दान किया |

21. दिनाक 03.03.2024 को रेलवे स्टेशन अम्बाला छावनी पर पल्स पोलियो प्रोग्राम का आयोजन किया गया|

Firozpur Division

17

Day observed – Breast feeding

CPR training to Railway employees

CPR training to Railway employees

TKR surgery

TKR Surgery-2

Check-up camp

Check-up camp

कार्मिक

PERSONNEL

General Manager's Annual Narrative Report 2023-24

महाप्रबंधक की वार्षिक वर्णनात्मक रिपोर्ट 2023-24

Chapter VIII

8.1 About the Department

The task of the Personnel Department of Northern Railway is to manage and look after the welfare of this large mass of employees and their families.Generally Personnel department's role is to communicate and implement policies. They play an important role by providing the required expertise in maintaining industrial relations by Liaisoning with the technical executives.

Functions of Personnel Department

- Man Power Planning.
- Recruitment.
- Training and Development.
- Placement.
- Transfer.
- Performance Appraisal
- Promotions and Demotions.
- Guidance on Disciplinary matters.
- Wage and Salary administrations.
- Settling Industrial Disputes.
- Grievance Redressal.
- Incentives and Financial aids.
- Settlement and Pension.
- Arranging Post retirement benefits and Grievance Redressal of Pensioners.
- Setting up and maintenance of Welfare Activities.

8.2 Performance for the year 2023-24

8.2.1 Trade Union

Our relation with Unions on this Railway, i.e. NRMU & URMU continued to be cordial. The issues raised by the Unions of grievances of staff in personnel matters are being promptly sorted out in various forms of formal and informal Meetings, which are being held as per schedule with minor adjustments due to exigencies of work. Regular PNMs at HQ level as well as at Divisional/Workshop level are being held in fruitful manner. Besides the meetings, several issues are also solved through correspondence, Non-payment Meetings etc.

8.2.2 General Manager's Level PNM Meetings

Description	NRMU&URMU
No of PNM's held.	4
No. of Items pending as on 01.04.2023.	253
No. of fresh items added.	119
No. of items Finalised.	103
No. of items pending as on 31.03.2024.	269

8.2.3 Correspondence Items

In addition to PNM Meetings, the Union raises various issues through correspondence, addressed to GM, AGM, PCPO & other HODs, which are examined at various levels and replies showing final decision are conveyed to the Union. The detailed position during the year 2023-2024 is as under:-

Description	NRMU	URMU
No. of Correspondence letters pending as on 01.04.2023.	61	66
No. of Correspondence letters fresh added.	39	13
No. of Correspondence letters finalized.	14	5
No. of Correspondence letters pending as on 31.03.2024.	86	68

8.2.4 Memorandum

Whenever, GM/AGM and other PHODs/HODs go on line for inspections,the Branch Representatives and Divisional Representatives of the recognised Unions hand over the memorandum, which are examined and detailed position of each item of memorandumare sent to the General Secretary. The position of Memorandum for the year 2023-2024 is as under:-

Description	NRMU	URMU
No. of memorandum in hand as on 01.04.2023.	04	04

No. of memorandum received during the period.	03	03
No. of memorandum finalized.	07	07
No. of memorandum pending as on 31.03.2024.	0	0

8.2.5 Membership of the Union

For the year ending December 2023, NRMU & URMU had enrolled 1,05,108 and 1,08,500 members respectively. For the year ending, March 2024, NRMU had 130 Branches (incl. Central Body & Divisional Body) and 1526 Office Bearers whereas URMU had 129 Branches (incl. Central Body & Divisional Body) and 1512 Office Bearers on this Railway.

8.2.6 Number & Cost of Staff as on 31.03.2024

Group	Number of Staff (In thousands)		Cost of Staff (In Crores)	
	2022-23	**2023-24**	**2022-23**	**2023-24**
Group 'A'	0.90	0.96	289.34	304.25
Group 'B'	0.53	0.47	126.02	122.13
Group 'C' (including erstwhile Group-'D')	128.05	135.46	16430.03	17727.79
Total	**129.48**	**136.89**	**16845.39**	**18154.17**
Construction				
Group 'A'	0.12	0.11	43.76	43.36
Group 'B'	0.10	0.09	27.42	29.46
Group 'C' (including erstwhile Group-'D')	1.62	1.56	254.32	249.73
Total	1.84	1.76	325.50	322.55
Grand Total	**131.32**	**138.65**	**17170.89**	**18476.72**

8.2.7 Department - wise

DEPARTMENT-WISE SANCTIONED, ONROLL & VACANCIES (with const.)												
	SANCTIONED			REDUCTION	%AGE	OPERATED			REDUCTION	%AGE		
Deptts .	01.04.2023	28.02.2024	31.03.2024	31.03.2024		01.04.2023	28.02.2024	31.03.2024	31.03.2024		VACANCY	%AGE VAC.
ADMIN	1851	1836	1809	-42	-2.3	1277	1291	1288	11	0.9	521	28.8
ACCT.	3234	3220	3200	-34	-1.1	1861	1942	1932	71	3.8	1268	39.6
CIVIL	39791	39761	39680	-111	-0.3	28097	30861	30929	2832	10.1	8751	22.1
MECH	45762	45492	45264	-498	-1.1	37231	38527	38424	1193	3.2	6840	15.1
TPT	19424	19336	19288	-136	-0.7	14526	16873	16863	2337	16.1	2425	12.6
COMML	12652	12351	12351	-301	-2.4	9012	9511	9564	552	6.1	2787	22.6
S&T	8043	8024	8024	-19	-0.2	6026	6476	6334	308	5.1	1690	21.1
ELECT	17492	17451	17390	-102	-0.6	10179	14853	14822	4643	45.6	2568	14.8
MED	3438	3355	3207	-231	-6.7	2763	2615	2576	-187	-6.8	631	19.7
PERS	1484	1484	1483	-1	-0.1	1213	1314	1312	99	8.2	171	11.5
STORES	3160	3154	3154	-6	-0.2	1922	1951	1943	21	1.1	1211	38.4
RPF	7293	7292	7292	-1	0.0	7052	6868	6930	-122	-1.7	362	5.0
TOTAL	**163624**	**162756**	**162142**	**-1482**	**-0.91%**	**121159**	**133082**	**132917**	**11758**	**9.70%**	**29225**	**18.0**

8.2.8 Railway Recruitment Board

<table>
<tr><th>Para No.</th><th>Subject</th><th colspan="8">Remarks</th></tr>
<tr><td rowspan="6">10.02</td><td rowspan="6">Representation of minority Communities in case of direct recruitment to CL-IV posts, against CEN-01/2019/RRC</td><td colspan="4">Buddhist</td><td colspan="4">05</td></tr>
<tr><td colspan="4">Christian</td><td colspan="4">08</td></tr>
<tr><td colspan="4">Jain</td><td colspan="4">06</td></tr>
<tr><td colspan="4">Muslim</td><td colspan="4">324</td></tr>
<tr><td colspan="4">Sikh</td><td colspan="4">183</td></tr>
<tr><td colspan="4">Total</td><td colspan="4">526</td></tr>
<tr><td rowspan="3">10.03</td><td rowspan="3">No. of CL.III staff recruited on open line/Construction</td><td colspan="8">Panels received from RRBs are sent directly to Division/Unit/Workshop for further necessary posting as per their demand and concern Divisions post staff in open line/Construction. Details of the total panel sent upto 2023-24 is as under: -</td></tr>
<tr><td>UR</td><td>SC</td><td>ST</td><td>OBC</td><td>EWS</td><td>Total</td><td>ExSM</td><td>PwBD</td></tr>
<tr><td>1029</td><td>407</td><td>215</td><td>727</td><td>213</td><td>2590</td><td>126</td><td>64</td></tr>
<tr><td rowspan="3">10.11 (2)</td><td rowspan="3">Railway Recruitment Board</td><td colspan="8">Details of total panel of Cl-III received upto 2023-24 is as under: -</td></tr>
<tr><td>UR</td><td>SC</td><td>ST</td><td>OBC</td><td>EWS</td><td>Total</td><td>ExSM</td><td>PwBD</td></tr>
<tr><td>1029</td><td>407</td><td>215</td><td>727</td><td>213</td><td>2590</td><td>126</td><td>64</td></tr>
<tr><td>10.11 (3)</td><td>Recruitment of Physically Handicapped through RRBs</td><td colspan="8">64 candidates recruited through DR quota.</td></tr>
</table>

8.2.9 Human Resources Development (HRD) and Manpower Planning.

A lot of emphasis is laid on development of human resources, by providing training in the Training Institutes run by Northern Railway. The whole exercise is aimed to improve the productivity level of the staff. In addition, in-house training is also being provided by organizing Seminars and Workshops. As a step forward, this Railway has introduced a system of organizing “Quiz Competition” for different departments, wherein the basic focus is given on improving the day-to-day working and their professional knowledge. One week training, under Management Development Program, is arranged for Senior Subordinate In charge, at various locations, to improve their managerial skills. During the period from 01.04.2023 to 31.03.2024 total non-gazetted staff trained is as under:-

Initial Training	Promotional Training	Refresher Training	SpecializedTraining	Other Training	Total
8418	2947	12381	6384	175	30305

In addition to Zonal training centre's, PTC at Udaipur has been training to clerks, Law assistants and inspectors of personnel department. Wherein, different modules have been prepared for different categories. The courseshas helped in improving the day to day functioning of personnel department staffby providing an opportunity to the personnel Department staff of different units to interact and discuss the problems being faced by them in their respective units.

8.2.10 Establishment of Training Centers for imparting teaching training to staff:

For imparting training to the teaching staff there is no established training centre on Northern Railway. However, for up gradation and improving teaching skills of the teachers of Oak Grove School/Jharipani/Mussorrie our teaching staff is being nominated from time to time for particpating in the training programs run by the Kendriya Vidyalaya Sangathan.

8.2.11 Railway Men's Co-operative Credit Societies:

To provide financial assistance to the Railway Employees and inculcate the habit of saving. The Northern Zone Railway Employees CTC Society Limited is functioning in Northern Railway (FZR, UMB& DLI) and Workshop (JUDW) Workshop including Headquarters Office / New Delhi. This society is functioning with 11 Branch offices in different Divisions / Workshops with Headquarter at New Delhi. In Kalka Workshop, the Kalka Railway employees Urban Salary Earners Co-Operative Thrift & Credit Society Limited and in Lucknow and Moradabad Division Northern Railway Co-operative Banks are in operation with headquarter at Lucknow.

8.2.12 Railway Men's Co-operative Housing Societies:

No such Co-operative Society is functioning over Northern Railway under Personnel Department.

8.2.13 Railway Schools

Northern Railway is running a prestigious Boarding School named Oak Grove School at Jharipani near Mussoorie Hills in Uttrakhand. The educational standard of this School is very high. This School has been a pioneer in education and sports activities and has consistently won a number of Inter School Tournaments and other Competitions. For the benefit forchildren of Railway employees, a High School is also running at Bareilly on Moradabad Division.

Oak Grove School-Result

Comparative result of class X & XII for the year 2023 & 2024							
Class X	**Total No. of students who appeared**		**Number of students who secured 90% and above marks**	**Number of students who secured 80% and above marks**	**Number of students who secured 60% to 80% marks**	**Number of students who secured 33% to 60% marks**	**Failures**
	Year						
	2023	57 (33 Boys and	26	12	16	03	NIL
	2024	56 (Boys 32 and 24 Girls)	21	19	14	02	NIL

Class XII		**Total No. of students who had appeared**		**Number of students who secured 80% and above**	**Number of students who secured 60% to 80%**	**Number of students who secured 33% to 60%**	**Failures**
	2023	**Stream**					
		Science	09	03	05	01	NIL
		Humanities	16	09	07	NIL	NIL
		Commerce	07	02	05	NIL	NIL
	2024	**Stream**					
		Science	11	03	08	NIL	NIL
		Humanities	14	08	06	NIL	NIL
		Commerce	04	03	01	NIL	NIL

8.2.14 Staff Benefit Fund Committee

Welfare Activities:-

Rs.**13,08,99,200/-** (Thirteen Crore Eight Lakh Ninety Nine Thousand and Two Hundred Only) were allocated under the Staff Benefit Fund to Northern Railway for the year 2023-

24 and the amount has been gainfully utilized for activities such as Education, Recreation, Culture, Women Empowerment, Ayurveda, Homeopathy, Institute & Club Facilities, Sports, Scouts & Guides, relief in distress, etc.

The Central Staff Benefit Fund Committee (CSBFC) functions at the Headquarters office and Divisions/Workshop. Staff Benefit Committee is functioning on Divisions & Workshops under the aegis of CSBFC. The allotment of staff benefit fund for the year of 2023-24 for different staff welfare activities is as under:

Head	Activities Head	Total (in
1	Education Scholarship for Higher Technical/Professional education for wards of staff in grade pay of above Rs.2400/- and up to Rs.4200/- @ Rs.1500 pm.	1,89,80,384
2	Scholarship for higher technical/professional education of girl child of staff in GP Rs.2400/- @ Rs.1500/- p.m.	1,79,98,640
3	Scholarship for higher technical/professional education of Male child of staff in GP Rs.2400/- @ Rs.1500/- p.m.	1,63,62,400
4	Women Empowerment Activities including Seminar, camps, training programme and gender sensitization camps etc.	45,81,472
5	Recreation other than sports.	52,35,968
6	Recreation facilities at institutes and clubs etc.	58,90,464
7	Promotion of Cultural Activities.	26,17,984
8	Relief of distress, sickness etc. for staff in grade pay up to Rs.4600/-.	1,96,34,880
9	Sports activities.	49,08,720
10	Scouts & Guides Activities.	35,99,728
11	Indigenous System of Medicine Including Homeopathy.	58,90,464
12	Immediate relief in times crisis arising out of floods famines, landside, fire or any other calamity.	39,26,976
13	Developing occupational skills of physically/mentally challenged railway employees and their wards including purchase of wheel chairs, other aides, special software etc. and organizing workshops, seminars, camps etc.	81,81,200
14	Miscellaneous.	1,30,89,920
	Total	**13,08,99,200**

8.2.15 Relief to Patients

Assistance continued to be given in the case of sickness to the employees, both in Group 'C' or Group 'D' staff who remains on Leave without Pay (LWP) for a period exceeding one month, on the basis of a sick certificate issued by the Railway Medical Officer. The benefit is available only in case of employees suffering from T.B, Cancer, Leprosy, Paralysis, Mental and Cardiac diseases. The assistance is given at the flat rate of Rs.10,000/- pm. to all Railway employees belonging to group 'C'&'D" staff.

8.2.16 Cultural Activities:

Inter Divisional Cultural Activities details as under:-

1. Inter Divisional Cultural Competition (Music) – 2023 was held at National Rail Museum organized by Delhi Division on 06.10.2023.
2. Inter Divisional Cultural Competition (Nukkad Natak) – 2023 was organized by Jagadhari Workshop on dated 03.11.2023.
3. Inter Divisional Cultural Competition (Drama) – 2023 was organized by Ambala Division on 13.03.2024.
4. Inter Railway Cultural Competition (Music) – 2023 was organized by Huballi, SWR on dated 18.12.23 to 19.12.2023.
5. Cultural Programme on International Women's Day – 2024 was organized by Headquarter at National Rail Museum, New Delhi on 11.03.2024.
6. Cultural Programme on Women's Day – 2024 was organized by Railway Women's Welfare Central Organization, Rail Bhawan, Railway Board on dated 15.03.2024.
7. Women's Day Cultural Programme – 2024 was organized by NRWWO/BH/NDLS on dated 20.03.2024.
8. Inter Railway Cultural Competition (Dance) – 2023 organized by S. E. Railway/ Kharagpur, on 18.03.24 to 20.3.2024.
9. Inter Railway Cultural Competition (Dance) – 2023 was organized by Rail Coach Factory, Kapurthala on 20.03.24 to 21.03.2024.

8.2.17 Women Empowerment:

In compliance of Railway Board's letter No. 2024/E(LL)NPWE/3 dated 05.03.2024 International Women's Day was organized all over Northern Railway including Headquarter office, Baroda House. A daylong Workshop on "Stress Management and Legal Rights for Women" was organized at Pratapgarh Farms, Jhajjar dated 01.03.2024, with the main function and felicitation of the women employees held at NRM, Chanakyapuri, New Delhi on 11.03.2024. As part of the event, health camp was also organized for all women employees at Baroda House which included cancer detection camp, Bone density scan and other tests, which was attended by almost all the women employees. Other competitions like Rangoli, Cooking & Dish presentation competitions, Quiz competitions were also organized on 5th,6^{th,} 7th and 11thof March 2024 respectively.The winners were awarded at main function which was held at NRM, Chanakyapuri on 11th March 2024. Experience sharing by women Sr. ALP/FZR,

Pointsman/UMB, SM/Optg. and Sr. Train Manager/DLI was appreciated by all in the function.

8.2.18 Canteen Welfare

22 Non-Statutory and 10 Statutory Canteens for the benefit of staff are running on “No profit No loss” basis over Northern Railway in different Divisions and Workshops/Units.

8.2.19 Recreation Club, Institute & Children Park

Over Northern Railway 12 Officers Clubs & 09 Railway Institutes are functioning, where staff and their families are provided the facilities for recreation & amusement, like Indoor Games, Out Doors Libraries, GYM etc. A number of Children Parks, in Railway colonies, have been equipped with Swings, Sea-saw and Slippery Slides etc. wherever possible, all over Northern Railway.

8.2.20 Holiday Homes

To facilitate the staff to have an enjoyable holidays with their family, well-furnished Holiday Homes with facilities of crockery, utensils and cooking-gas are run by Northern Railway. Accommodation is provided to the staff in the Holiday Homes at very nominal charges. At present, Holiday Homes are available at Shimla, Barog, Haridwar, Baijnath Paprola, Muni Ki Reti, Rishikesh, Patnitop, Mussorrie (Garhwal Hotel), Palampur, Kasauli, Salogra and Manali. In addition Holiday Home at Katra is likely to be completed and would become operational as soon as the same is handed over by the Construction Department.

8.2.21 Holiday Camps

Holiday camps for employees, spouse camp, women’s camps and camps for physically challenged employees are being conducted regularly on this Railway with staff benefit fund. An amount of Rs.59,24,897/- (Fifty Nine Lakh Twenty Four Thousand Eight Hundred Ninety Seven Only) has been allotted for Division/Units and Workshops of Northern Railway during the year 2023-24.

8.2.22 Scholarship granted for technical education to children of Railwayemployees during 2023-24.

Over Northern Railway Rs.4,45,44,384/- has been granted for scholarship for technical education to children of railway employees during year 2023-24 under following heads:-

(i) Scholarship for higher technical/professional education for wards of non-gazetted railway servants whose grade pay are above Rs.2400/- @ Rs.1500/- per month.

(ii) Scholarship for higher technical/professional education of Girl children of staff in grade pay up to Rs.2400/- @ Rs.1500/- per month.

(iii) Scholarship for higher technical/professional education of male children of staff in grade pay up to Rs.2400/- @ Rs.1500/- per month.

8.2.23 Film Show

No, such activity is running on the Northern Railway.

8.2.24 Labour Welfare Organization

The Labour Welfare Organization at Northern Railway functions under the administrative control of Principal Chief Personnel Officerin Headquarters Office and Sr. DPO's/Dy. CPO's in Divisions/Workshops. Welfare Inspectors are posted in most of the Establishments including Workshops, Stores Depots, who are required to contact the staff within their beats in respect of their grievances including non-payment claims etc. They are also required to educate the staff regarding various welfare schemes available for their benefits. Welfare Inspectors also visit Hospitals, Schools, Handicrafts Centre's, Recreation Clubs, Staff Canteens, Sheds and Stations to ensure their proper functioning. This also serves as internal machinery for ensuring proper implementation of various Labour Laws.

8.2.25 Handicraft Centers

To augment the earning of the employee's family, and also to provide training to give them an opportunity to earn additional income, Northern Railway has set up 04 Handicraft Centre's at various locations. Tailoring, Knitting, Embroidery work & file cover making are also done by the wives and daughters of Railway Employees in these Handicraft Centers.

8.2.26 Railway Men's Consumer Co-operative Societies:

At present no consumer co-operative society is in operation over Northern Railway.

8.2.27 Pension Adalat

The Pension Cell in the Headquarters Office continues to provide guidance for implementation of the Board's order received from time to time. The benefits of Liberalized Railway Pension rules and the Family Pension are brought to the notice of the employees. The Inspectors of 'Personnel Branch' are deputed to chase the outstanding cases and help in quick disposal of settlement cases referred to Headquarters Office. They also assist the widows in submitting their claims for the grant of Ex-gratia payment, which is paid to the widows of those CPF beneficiaries, who had died prior to 1.1.86 and after. Inspectors also help in filling up of pension form of retiring employees. Now, the Ex-gratia payment has been allowed to alive SRPF opted also and these cases are dealt with in the Pension Section.

In the Divisional Offices, an APO has been specifically nominated to ensure expeditious payment of settlement dues. By taking action in advance of the date of retirement, in

respect of verification of service and leave account etc. Instructions have also been issued that Sr.DPOs along with Sr. DFM will review the settlement cases once in a month.

The Pension Cell in the Headquarter Office keeps a watch on the progress of settlement cases and also issues clarification on the points raised by various Divisions and Extra Divisional Offices in this connection.

Pension Adalat from 01.04.2023 - 31.03.2024				
Pension Adalat held at	**Pension Adalat held on**	**Cases Received**	**Cases Finalised**	**%age**
Division Level	15-12-2023	271	271	100%
HQ Level	15-12-2023	12	12	100%
Total		**283**	**283**	**100%**

The position of settlement cases is also discussed in the Divisional Office by holding Meeting with respective Divisional Railway Managers and between Principal Officers and General Manager.

8.2.28 Position of Settlement cases of Northern Railway as on 31.03.2024 was as under: -

S.No	**Pension Cases**	
1	Opening balance on 1st April 2023.	143
2	Intake during the year from 1.04.2023 to 31.03.2024.	3817
3	Number of cases, in which pensioner benefits were sanctioned during the year 01.04.2023 to 31.03.2024.	3759
4	Balance at the end of the year ending 31.03.2024.	184
5	Case pending due to reason beyond Control (Cases pending due to DAR/Vig./Comml. Debits) and non-vacation of railway quarter.	01
6	Cases pending due to other reasons within control like non-availability of Service record non-submission of pension booklets etc.	101

8.2.29 Trekking/Mountaineering programs organized by NRTMA during year 2023-24

Sr.No.	Activity	Date (From/ to)
1.	Adventure Training & Rafting Camp at Rishikesh (Uttarakhand)	17th April to 21st April 2023
2.	Trek to Dodital – Darwa Top (Uttarakhand)	18th May to 24th May 2023
3.	Trekking Expedition to Roopkund (Uttarakhand)	01st June to 09th June 2023
4.	Trek to Markha Valley – Leh – Ladakh	11th Aug. to 20th Aug.2023
5.	Trekking Expedition to Yunam Peak (H.P)	08th Sept. to 17th Sept. 2023
6.	Trek to Hampta Pass – Manali (H.P)	22nd Sept to 29th Sept 2023
7.	Trekking Expedition to Om Parvat & Adi Kailash (Uttarakhand)	11th Oct to 18th Oct 2023
8.	Trek to Sandakphu (West Bengal)	16th Nov. to 23rd Nov 2023
9	Adventure Camp at Araku Valley, Vizag (A.P) for differently abled persons also.	19th Dec to 26th Dec 2023
10	Skiing Camp at Narkanda (H.P)	09th Feb to 13th Feb 2024

8.2.30 SPORTS

1. The performance of Northern Railway in All India Railway Championship during 2023-24.

S. No.	Discipline	Position	S. No.	Discipline	Position
1	Badminton-(M)	First	16	CYCLING (M)-TRACK	Third
2	Basketball-(M)	First	17	KABADDI-(W)	Fourth
3	Boxing-(M)	First	18	ACHERY (M)	Participation
4	Boxing-(W)	First	19	BASKETBALL-(W)	Participation

5	Cycling (M)-Road	First	20	BODYBUILDING	Participation
6	Wrestling-(FS)	First	21	CHESS	Participation
7	Athletics-(M)	Second	22	CROSS COUNTRY	Participation
8	Badminton-(W)	Second	23	GOLF	Participation
9	Handball-(M)	Second	24	GYMNASTICS (M)	Participation
10	Handball-(W)	Second	25	KABADDI-(M)	Participation
11	Hockey-(M)	Second	26	POWERLIFTING-(M)	Participation
12	Hockey-(W)	Second	27	POWERLIFTING-(W)	Participation
13	Volleyball(M)	Second	28	TABLE TENNIS-(M)	Participation
14	Wrestling-(Gr)	Second	29	WEIGHTLIFTING-(M)	Participation
15	Cricket –(M)	Third			

2. Northern Railway successfully Organized All India Railway Basketball Men, Basketball Women, Cycling Track Championship 2023-24 at Karnail Singh Stadium New Delhi and Basketball Men secured first position & Cycling secured Third Position.
3. Badminton Men & Volleyball Inter Division championship 2023-24 was organized at Karnail Singh Stadium.
4. NRSA organizes summer coaching camp in Delhi area during the summer break for wards of Railway employees wherein Railway coaches train the wards.
5. 21 Sportspersons have been recruited through Talent Scouting Quota and 14 through Open Advertisement Quota in the year 2023-24.
6. 22 Sportspersons have been recruited in Group-D, through Open Advertisement for year 2023-24 by all divisions & Workshop.

7. International and National event details enclosed.

S.no	Game	Event	Championships	National/ International	Name of Sportsperson/Divn	Venue	Dates	Medal/ Performance
1	Shooting	Team	19th Asian Games at Hangzhou, China	International	Akhil Sheoran	Hangzhou	23 Sep to 08 Oct 2023	Gold
2	Shooting	Team	15th Asian Championship	International	Akhil Sheoran	Changwon, Korea	22 Oct to 02 Nov 2023	Silver
3	Shooting	Individual	ISSF World Cup	International	Akhil Sheoran	DOHA, QATAR	18.11.2023 to 26.11.2023	Participation
4	Shooting	Individual	53rd ISSF World Championship	International	Akhil Sheoran	BAKU, AZERBAIJAN	14.08.2023 to 01.09.2023	Bronze
5	Shooting	Individual	ISSF WORLD CUP	International	Akhil Sheoran	BAKU, AZERBAIJAN	08.05.2023 to 15.05.2023	Participation
6	Shooting	Individual	Asian Championship 2024	International	Akhil Sheoran	JAKARTA, INA	05.01.2024 to 18.01.2024	Gold
7	Shooting	Individual	ISSF World Cup	International	Akhil Sheoran	Cairo, Egypt	24.01.2024 to 01.02.2024	Bronze
8	Handball Women	Team	19th Asian Games at Hangzhou, China from	International	Menika	Hangzhou, China	23 Sep to 08 Oct 2023	Participation
9	Handball Women	Team	19th Asian Games at Hangzhou, China from	International	Priyanka	Hangzhou, China	23 Sep to 08 Oct 2023	Participation
10	Wrestling	Individual	Sr. Asian Championship	International	Aman	Kazakhstan (ASTNA)	9 to 14 Apirl 23	Gold

11	Wrestling	Individual	Sr. Asian Championship	International	Vikash	Kazakhstan (ASTNA)	9 to 14 Apirl 23	Bronze
12	Wrestling	Individual	Asian Sr. Greco Ramon Championship	International	Vikash	Kyrgzstan	10 to 16 June 23	Participation
13	Wrestling	Individual	19th Asian Games at Hangzhou, China from	International	Bajran	Hangzhou, China	23 Sep to 08 Oct 2023	Participation
14	Wrestling	Individual	19th Asian Games at Hangzhou, China from	International	Vikash	Hangzhou, China	23 Sep to 08 Oct 2023	Participation
15	Wrestling	Individual	19th Asian Games at Hangzhou, China from	International	Aman	Hangzhou, China	23 Sep to 08 Oct 2023	Bronze
16	Wrestling	Individual	2023 Sr. World Free Style Chmapionship	International	Aman	Serbia	16 to 24 Sep 2024	Participation
17	Boxing	Individual	75th Strandja Cup 2024,Bulgaria	International	Sachin	Bulgaria	1st to 12th February 2024	Participation
18	Boxing	Individual	75th Strandja Cup 2024,Bulgaria	International	Sagar	Bulgaria	1st to 12th February 2024	Participation
19	Boxing	Individual	World Boxing Championship at Tashkent Uzbekisten	International	Govind Sahani	Tashkent Uzbekisten	30 April to 14 May 2023	Participation
20	Boxing	Individual	21st Memorial Tournament at SaravejoBosina	International	Jyoti	Bosina	4 to 10 Sep 2023	Gold
21	Boxing	Individual	Elorda Cup at Astana Kazakhstan	International	Ankit Narwal	Kazakhstan (ASTNA)	26 june to 2 july 2023	Participation

22	Badminton	Team	19th Asian Games at Hangzhou, China from	International	Chirag Sen	Hangzhou, China	23 Sep to 08 Oct 2023	Participation
23	Weightlifting	Individual	2023 Commonweth Sr. Men &n Women Weightlifting Championship	International	Amarjit Guru	Noida	12 to 16 July 2023	Silver
24	Hockey Men	Team	5S World Cup Men at Muscat, Oman	International	Prashant Chauhan	Oman	28 to 31 Jan 2024	Participation
25	Hockey Women	Team	19th Asian Games at Hangzhou, China from	International	Neha	Hangzhou, China	23 Sep to 08 Oct 2023	Bronze
26	Hockey Men	Team	19th Asian Games at Hangzhou, China from	International	Jarmanpreet Singh	Hangzhou, China	23 Sep to 08 Oct 2023	Gold
27	Hockey Women	Team	Asian Championship Trophy	International	Neha	Ranchi	27 Oct to 5 Nov 2023	Gold
28	Cycling	Team	14th USIC Cycling World Railway Championship	International	Naman Kapil	Danmark	7 to 11 Sep 2023	Bronze
29	Cycling	Individual	14th USIC Cycling World Railway Championship	International	Naman Kapil	Danmark	7 to 11 Sep 2023	Participation
30	Cycling	Individual	14th USIC Cycling World Railway Championship	International	Arvind Panwar	Danmark	7 to 11 Sep 2023	Bronze
31	Cycling	Team	14th USIC Cycling World Railway Championship	International	Arvind Panwar	Danmark	7 to 11 Sep 2023	Participation
32	Cycling	Individual	TrackAsia Cup UCI	International	Vishavjeet Singh	Thailand	26th to 30 Aug 2023	Participation
33	Cycling	Individual	43rd Asian Track Cycling Championship	International	Vishavjeet Singh	New Delhi	21 to 26 Feb 2024	Participation
34	Cycling	Individual	43rd Asian Track Cycling Championship	International	Naman Kapil	New Delhi	21 to 26 Feb 2024	Participation
35	Cycling	Individual	19th Asian Games at Hangzhou, China from	International	Vishavjeet Singh	Hangzhou, China	23 Sep to 08 Oct 2023	Participation
36	Volleyball	Team	22nd Asian Sr. Championship	International	Rohit Kumar	Tehran Iran	19 to 26 Aug 2023	Participation
37	Volleyball	Team	19th Asian Games at Hangzhou, China from	International	Rohit Kumar	Hangzhou China	23 Sep to 08 Oct 2023	Participation
38	kabaddi Men	Team	11th Aisian Kabaddi Championship	International	Nitin Rawal	Korea	25th June to 1st July 2023	Gold

39	kabaddi Men	Team	19th Asian Games at Hangzhou, China from	International	Nitin Rawal	Hangzhou, China	23 Sep to 08 Oct 2023	Gold
40	Cricket Women	Team	19th Asian Games at Hangzhou, China from	International	Kanika Ahuja	Hangzhou, China	23 Sep to 08 Oct 2023	Gold
41	Shooting	Individual	66th National Championship	National	Savita Thakur	Delhi	15th Nov to 2nd Dec 2023	Participation
42	Shooting	Individual	66th National Championship	National	Akhil Sheoran	Delhi	15th Nov to 2nd Dec 2023	Silver
43	Shooting	Individual	66th National Championship	National	Nitesh Kumar	Delhi	15th Nov to 2nd Dec 2023	Participation
44	Shooting	Individual	66th National Championship	National	Vipin Rana	Bhopal	15th Nov to 2nd Dec 2023	Participation
45	Shooting	Individual	66th National Championship	National	Sachin Kumar	Bhopal	15th Nov to 2nd Dec 2023	Participation
46	Shooting	Team	15th USIC Shooting Championship	National	Vipin Rana	France	17 to 21 Oct 2023	Gold
47	Wrestling	Individual	Sr. National	National	Yash	Jaipur	2nd to 5th Feb 2024	Silver
48	Wrestling	Individual	Sr. National	National	Anirudh	Jaipur	2nd to 5th Feb 2024	Gold
49	Wrestling	Individual	Sr. National	National	Vikash	Jaipur	2nd to 5th Feb 2024	Gold
50	Wrestling	Individual	Sr. National	National	Hardeep	Jaipur	2nd to 5th Feb 2024	Silver
51	Wrestling	Individual	Sr. National	National	Vinesh	Jaipur	2nd to 5th Feb 2024	Gold
52	Wrestling	Individual	Sr. National	National	Niki	Jaipur	2nd to 5th Feb 2024	Silver
53	Wrestling	Individual	Sr. National	National	Sachin Rana	Jaipur	2nd to 5th Feb 2024	Participation
54	Powerlifting	Individual	Sr. National	National	Anjali	Kashipur	8th to 13th Aug 2023	Silver

55	Powerlifting	Individual	Sr. National	National	Angrej Singh	Kashipur	8th to 13th Aug 2023	Gold
56	Powerlifting	Individual	Sr. National	National	Gurwinder Singh	Kashipur	8th to 13th Aug 2023	Participation
57	Boxing	Individual	Sr. National	National	Sachin	Shillong Meghalaya	24 Nov to 1 Dec 2023	Silver
58	Boxing	Individual	7th Elite National	National	Amit	Shillong Meghalaya	24 Nov to 1 Dec 2023	Bronze
59	Boxing	Individual	7th Elite National	National	Naman Tanwar	Shillong Meghalaya	24 Nov to 1 Dec 2023	Participation
60	Boxing	Individual	7th Elite National	National	Sagar	Shillong Meghalaya	24 Nov to 1 Dec 2023	Silver
61	Boxing	Individual	7th Elite National	National	Govind Kumar Shani	Shillong Meghalaya	24 Nov to 1 Dec 2023	Participation
62	Boxing	Individual	7th Elite National	National	Nikhil Dubey	Shillong Meghalaya	24 Nov to 1 Dec 2023	Participation
63	Boxing	Individual	7th Elite National	National	Sahil	Shillong Meghalaya	24 Nov to 1 Dec 2023	Participation
64	Boxing	Individual	7th Elite National	National	Nandni	Noida	20 Dec to 27 Dec 2023	Silver
65	Boxing	Individual	7th Elite National	National	Jyoti	Noida	20 Dec to 27 Dec 2023	Gold
66	Boxing	Individual	7th Elite National	National	Shiksha	Noida	20 Dec to 27 Dec 2023	Gold
67	Badminton	Team	84 Sr. National BadmintionChampionslhip Pune	National	Kanika Kanwal	Pune	18th to 24 th Dec 2023	Bronze
68	Badminton	Team	84 Sr. National BadmintionChampionslhip Pune	National	Ekta	Pune	18th to 24 th Dec 2023	Bronze
69	Badminton	Team	84 Sr. National BadmintionChampionslhip Pune	National	Chirag Sen	Pune	18th to 24 th Dec 2023	Bronze
70	Badminton	Team	84 Sr. National BadmintionChampionslhip Pune	National	Anuraprabhudesai	Pune	18th to 24 th Dec 2023	Bronze

71	Badminton	Team	84 Sr. National BadmintionChampionslhip Pune	National	Neeraj	Pune	18th to 24 th Dec 2023	Participation
72	Badminton	Team	84 Sr. National BadmintionChampionslhip Pune	National	Deepak	Pune	18th to 24 th Dec 2023	Participation
73	Weightlifting	Individual	IWLF Sr. Men & Women National Weightlifting Chanpionship	National	Harshit Sehrawat	Itanagar	28 Dec 2023 to 8 Jan 2024	Gold
74	Gymnastic	Team	Sr. National ARTISTIC Gymnastic Championship	National	Shyam Sharma	Bhubaneswar	2 to 4 Jan 2024	Gold
75	Gymnastic	Individual	Sr. National ARTISTIC Gymnastic Championship	National	Sahil Yadav	Bhubaneswar	2 to 4 Jan 2024	Participation
76	Hockey Women	Team	3rd Sr. National Women Departmental Championship	National	Devika Sen	New Delhi	15 to 21 Nov 2023	Silver
77	Hockey Women	Team	3rd Sr. National Women Departmental Championship	National	Shilpi	New Delhi	15 to 21 Nov 2023	Silver
78	Hockey Men	Team	13th Hockey India Senior Men National Championship 2023	National	Jasjit Singh Kullar	Chennai	17 to 28 Nov 2023	Gold
79	Hockey Men	Team	13th Hockey India Senior Men National Championship 2023	National	Gursahibjit Singh	Chennai	17 to 28 Nov 2023	Gold
80	Hockey Men	Team	13th Hockey India Senior Men National Championship 2023	National	Harsahib Singh	Chennai	17 to 28 Nov 2023	Gold
81	Hockey Men	Team	13th Hockey India Senior Men National Championship 2023	National	YashdeeoSiwach	Chennai	17 to 28 Nov 2023	Silver
82	Hockey Men	Team	13th Hockey India Senior Men National Championship 2023	National	Manish Kumar Sahani	Chennai	17 to 28 Nov 2023	Participation
83	Hockey Men	Team	13th Hockey India Senior Men National Championship 2023	National	Om Prakash Pal	Chennai	17 to 28 Nov 2023	Participation

84	Hockey Men	Team	13th Hockey India Senior Men National Championship 2023	National	Shivam Anand	Chennai	17 to 28 Nov 2023	Participation
85	Hockey Men	Team	13th Hockey India Senior Men National Championship 2023	National	Prashant Chauhan	Chennai	17 to 28 Nov 2023	Participation
86	Hockey Women	Team	14thHockey India Sr. Women Championship 2024	National	Neha	Pune	13 to 23 March 2024	Gold
87	Hockey Women	Team	14thHockey India Sr. Women Championship 2024	National	Shilpi	Pune	13 to 23 March 2024	Gold
88	Hockey Women	Team	14thHockey India Sr. Women Championship 2024	National	Devika Sen	Pune	13 to 23 March 2024	Participation
89	Hockey Women	Team	14thHockey India Sr. Women Championship 2024	National	Antim	Pune	13 to 23 March 2024	Participation
90	Hockey Women	Team	14thHockey India Sr. Women Championship 2024	National	Preeti	Pune	13 to 23 March 2024	Participation
91	Hockey Women	Team	14thHockey India Sr. Women Championship 2024	National	Bharti	Pune	13 to 23 March 2024	Participation
92	Hockey Women	Team	14thHockey India Sr. Women Championship 2024	National	Manju	Pune	13 to 23 March 2024	Participation
93	Athletics	Individual	62nd National Open Athletics Championship 2023	National	Vikrant Panchal	Benglore	11 to 14 Oct 2023	Participation
94	Athletics	Individual	62nd National Open Athletics Championship 2023	National	Gaurav	Benglore	11 to 14 Oct 2023	Participation
95	Athletics	Individual	62nd National Open Athletics Championship 2023	National	Jashanjot	Benglore	11 to 14 Oct 2023	Participation

96	Athletics	Individual	62nd National Open Athletics Championship 2023	National	Arjun	Benglore	11 to 14 Oct 2023	Participation
97	Athletics	Individual	62nd National Open Athletics Championship 2023	National	Parveen Nehra	Benglore	11 to 14 Oct 2023	Participation
98	Athletics	Individual	62nd National Open Athletics Championship 2023	National	Sarita Singh	Benglore	11 to 14 Oct 2023	Bronze
99	Athletics	Individual	62nd National Open Athletics Championship 2023	National	Prashant	Benglore	11 to 14 Oct 2023	Participation
100	Chess	Individual	60 National Championship 2023	National	Harish Kumar	Pune	16 to 26 Aug 2023	Participation
101	Basketball Women	Team	73rd National Championship 2023	National	Rashi	Ludhiana	3 to 10 Dec 2023	Gold
102	Basketball Women	Team	73rd National Championship 2023	National	Vandana Arya	Ludhiana	3 to 10 Dec 2023	Participation
103	Basketball Women	Team	73rd National Championship 2023	National	Garima Gosain	Ludhiana	3 to 10 Dec 2023	Participation
104	Basketball Women	Team	73rd National Championship 2023	National	Namrta	Ludhiana	3 to 10 Dec 2023	Participation
105	Basketball Women	Team	73rd National Championship 2023	National	Preeti	Ludhiana	3 to 10 Dec 2023	Participation
106	Basketball Women	Team	73rd National Championship 2023	National	Bala Banusri	Ludhiana	3 to 10 Dec 2023	Participation
107	Basketball Women	Team	73rd National Championship 2023	National	Simran Kaur	Ludhiana	3 to 10 Dec 2023	Participation
108	Kho-Kho	Team	56th Sr. National Champinship 2024	National	Sumit Kumar	New Delhi	28 March to 1 April 2024	Silver
109	Cycling	Individual	75th National Championship	National	Pawanpreet Singh	Jharkhand	30 Nov to 04 Dec 2023	Participation
110	Cycling	Team	75th National Championship	National	Vishavjeet Singh	Jharkhand	30 Nov to 04 Dec 2023	Gold
111	Cycling	Team	75th National Championship	National	Naman Kapil	Jharkhand	30 Nov to 04 Dec 2023	Gold

112	Cycling	Individual	28th Sr. National Road Cycling Championship	National	Naman Kapil	Karnataka	9 to 12 Jan 2024	Participation
113	Cycling	Individual	28th Sr. National Road Cycling Championship	National	Birma Ram	Karnataka	9 to 12 Jan 2024	Participation
114	Cross Country	Individual	62 Open National Championship	National	Ratti Ram Saini	Banglore	8-Oct-23	Participation
115	Cross Country	Individual	62 Open National Championship	National	Pramod Kumar	Banglore	8-Oct-23	Participation
116	Cross Country	Individual	62 Open National Championship	National	Yogender Kumar	Banglore	8-Oct-23	Participation
117	Football	Team	77th National Football Championship	National	Nitesh Chhikara	Assam	8 to 17 Oct 2023	Participation
118	Billiards	Individual	9 Ball & 10 Ball Pool National Championship	National	Pushpender Singh	Indore	1 to 15 Sep 2023	Participation
119	Billiards	Individual	Billiards & Snooker National Championship	National	Pushpender Singh	Chennai	21 Nov to 25 Dec 2023	Participation
120	Billiards	Individual	Billiards & Snooker National Championship	National	Pushpender Singh	Chennai	21 Nov to 25 Dec 2023	Participation
121	Kabaddi Women	Team	70th Sr. National Kabaddi Championship	National	Vaishali	Punjab	10 to 13 Dec 2023	Silver
122	Handball Women	Team	Sr. National	National	Simran	UP	7 to 12 Mar 2024	Gold
123	Handball Women	Team	Sr. National	National	Deepa Devi	UP	7 to 12 Mar 2024	Gold
124	Handball Women	Team	Sr. National	National	Menika	UP	7 to 12 Mar 2024	Gold
125	Handball Women	Team	Sr. National	National	Priyanka	UP	7 to 12 Mar2024	Gold
126	Handball Women	Team	Sr. National	National	Deepa	UP	7 to 12 Mar 2024	Participation
127	Handball Men	Team	Sr. National	National	Shivam	J&K	1 to 5 Sep 2024	Silver
128	Handball Men	Team	Sr. National	National	Dipanshu	J&K	1 to 5 Sep 2024	Silver
129	Handball Men	Team	Sr. National	National	Somveer	J&K	1 to 5 Sep 2024	Silver

130	Handball Men	Team	Sr. National	National	Naveen	J&K	1 to 5 Sep 2024	Silver
131	Handball Men	Team	Sr. National	National	Mandeep	J&K	1 to 5 Sep 2024	Silver
132	Judo	Team	Sr. National	National	Sanjay Kumar	Jaipur	1 to 5 jan 2024	Participation
133	Basketball Men	Team	73rd Sr. National	National	Palpreet Singh	Laudhiana	3 to 10 Dec 2023	Silver
134	Basketball Men	Team	73rd Sr. National	National	Himanshu Sharma	Laudhiana	3 to 10 Dec 2023	Silver
135	Basketball Men	Team	73rd Sr. National	National	Arvinder Singh	Laudhiana	3 to 10 Dec 2023	Silver
136	kabaddi Men	Team	70th Sr. National Kabaddi Championship	national	Meetu Sharma	Ahmednagar	21 to 24 March 2024	Silver
137	Cricket Men	Team	Duleep Trophy	National	Himanshu Sangwan	Bengaluru	28 June to 16 July 2023	Participation
138	Cricket Men	Team	Syed Mushtaqali Trophy	National	Mohd. Saif	Ranchi	13 to 27 Oct 2023	Participation
139	Cricket Men	Team	Syed Mushtaqali Trophy	National	Pratham Singh	Ranchi	13 to 27 Oct 2023	Participation
140	Cricket Men	Team	Ranji Trophy	National	Mohd. Saif	Chandigarh	02 to 16 Jan 2024	Participation
141	Cricket Men	Team	Ranji Trophy	National	Pratham Singh	Chandigarh	02 to 16 Jan 2024	Participation
142	Cricket Men	Team	Ranji Trophy	National	Himanshu Sangwan	Chandigarh	02 to 16 Jan 2024	Participation
143	Cricket Men	Team	U-23 One day trophy	National	Jayant	Chandigarh	25 Oct to 9 Nov 2023	Participation
144	Cricket Men	Team	U-23 One day trophy	National	Purnank Tyagi	Chandigarh	25 Oct to 9 Nov 2023	Participation
145	Cricket Men	Team	U-23 One day trophy	National	Ansh Yadav	Chandigarh	25 Oct to 9 Nov 2023	Participation
146	Cricket Men	Team	Vijay Hazare	National	Mohd. Saif	Benglore	20 Nov to 6 Dec 2023	Participation
147	Cricket Men	Team	Vijay Hazare	National	Pratham Singh	Benglore	20 Nov to 6 Dec 2023	Participation

148	Cricket Men	Team	U-23 C K Nayudu Trophy	National	Jayant	Rajkot	04 to 11 Jan 2024	Participation
149	Cricket Men	Team	U-23 C K Nayudu Trophy	National	Purnank Tyagi	Rajkot	04 to 11 Jan 2024	Participation
150	Cricket Men	Team	U-23 C K Nayudu Trophy	National	Ansh Yadav	Rajkot	04 to 11 Jan 2024	Participation
151	Cricket Women	Team	Sr. Women T-20	National	Pratika Rawal	Cuttack	13 Oct to 1 Nov 2023	Participation
152	Cricket Women	Team	Sr. Women T-20	National	Laxmi Yadav	Cuttack	13 Oct to 1 Nov 2023	Participation
153	Cricket Women	Team	Sr. Women T-20	National	N.Anusha	Raipur	13 Oct to 1 Nov 2023	Participation
154	Cricket Women	Team	Sr. Women T-20	National	V. Pushplata	Raipur	13 Oct to 1 Nov 2023	Participation
155	Cricket Women	Team	Sr. Women T-20	National	Savita Malik	Tirvandrum	13 Oct to 1 Nov 2023	Participation
156	Cricket Women	Team	Sr. Women T-20	National	Sneh Rana	Tirvandrum	19 to 31 Oct 2023	Participation
157	Cricket Women	Team	Sr. Women T-20	National	Magahna	Tirvandrum	19 to 31 Oct 2023	Participation
158	Cricket Women	Team	Sr. Women T-20	National	Renuka	Tirvandrum	19 to 31 Oct 2023	Participation
159	Cricket Women	Team	Sr. Women T-20	National	Preeti Bose	Tirvandrum	19 to 31 Oct 2023	Participation
160	Cricket Women	Team	Sr. Women T-20	National	Tanuja Kanbar	Tirvandrum	19 to 31 Oct 2023	Participation
161	Cricket Women	Team	Sr. Women T-20	National	Simran Bahdhur	Tirvandrum	19 to 31 Oct 2023	Participation
162	Cricket Women	Team	One Day Trophy	National	Sneh Rana	Vadodara	Jan-24	Gold
163	Cricket Women	Team	One Day Trophy	National	Tanuja Kanbar	Vadodara	Jan-24	Gold
164	Cricket Women	Team	One Day Trophy	National	Preeti Bose	Vadodara	Jan-24	Gold
165	Cricket Women	Team	One Day Trophy	National	Simran Dil Bahadhur	Vadodara	Jan-24	Gold

166	Cricket Women	Team	One Day Trophy	National	Renuka	Vadodara	Jan-24	Gold
167	Cricket Women	Team	One Day Trophy	National	Megahna Singh	Vadodara	Jan-24	Gold
168	Cricket Women	Team	One Day Trophy	National	N. Anusha	Ranchi	4 to 16 Jan 2024	Participation
169	Cricket Women	Team	U-23 Women T-20 Trophy	National	Partika Rawal	Indore	9 to 31 Dec 2023	Silver
170	Cricket Women	Team	One Day Trophy	National	Laxmi Yadav	Vadodara	20 to 26 Jan 2024	4th Position
171	Cricket Women	Team	U-23 Women One day	National	V. Pushplata	Kolkata	26 Jan to 18 Feb 2024	Participation
172	Football Women	Team	27th Sr. National Women Football Championship	National	Manpreet Kaur	Amritsar	14th to 28th June 2023	Bronze
173	Football Women	Team	27th Sr. National Women Football Championship	National	Richa Sharma	Amritsar	14th to 28th June 2023	Bronze

8.3 PERFORMANCE OF PERSONNEL DEPARTMENT

S.No	Item	2019-20	2020-21	2021-22	2022-23	2023-24	Best Figure	Year
1	**Sanctioned Strength/Non-Gazetted(C+D)**	171901	169190	167734	163624	162142	171901	**2019-20**
2	**On Roll Strength/ Non-Gazetted(C+D)**	132974	131433	129536	121159	132917	132974	**2019-20**
3	**Settlement Cases**							
a	Finalized	7012	5447	4812	4437	3759	7012	**2019-20**
b	Pending	211	207	335	362	184	211	

c	Percentage	97.08%	96.34%	93%	87.74%	95.33 %	97.08%	
4	**Seniority List**							
a	Due	141	141	141	2773	2115	2773	**2022-23**
b	Finalized	141	141	141	2773	1986	2773	
c	Percentage	100%	100%	100%	100%	93.90%	100%	
5	**Adhoc. Promotions**	NIL	NIL	NIL	NIL	NIL	NIL	
6	**Compassionate Appointment**							
a	Total for disposal	985	989	1316	1032	1052	1316	**2021-22**
b	Finalized	1007	957	1394	804	851	1394	
c	Percentage	102.27	96.76%	105.92	77.9	80.89%	105.92%	
7	**Pension Adalat**							
a	Cases received	7223	5654	5174	352	283	352	**2022-23**
b	Finalized	7012	5447	4812	348 (4 rejected)	283	348 (4 rejected)	
c	Percentage	97.08	96.34%	93.00	100%	100%	100%	
8	**MR/MOSR**							
a	Total for disposal	97	60	80	13	0	33	**2019-20**
b	Finalized	89	56	76	13	0	33	

c	Percentage	92%	91%	95	100%	NA	100%	
9	**Legal Cases**							
a	Total Finalized	792	256	319	509	701	509	**2022-23**
b	Cases decided in favor of Admn.	687	238	294	475	641	475	
c	Percentage	86.74%	92.97%	92%	93%	91%	93%	
10	**PNM Meeting held at GM's Level**							
a	PNM	04	1	4	5	5	4	**2018-19**
b	Items finalized	81	70	97	91	159	103	

Northern Railway Bharat Scouts & Guides

1. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स राज्य के समस्त जिलो के द्वारा दिनांक 07.04.2023 को World Health Day मनाया गया।
2. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के 01 सदस्य के द्वारा देहरादून में दिनांक 08.05.2023 से 17.05.2023 तक आयोजित नेशनल लेबल डिजास्टर प्रीपेडनेस एण्ड़ मेनेंजमेंट ट्रैनिंग ऑन फायर फायटिंग एण्ड़ लेण्ड़ स्लाइडिंग में प्रतिभाग कर सफलतापूर्वक प्रशिक्षण प्राप्त किया ।
3. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स की टीम के द्वारा दिनांक 8 से 17 मई, 2023 तक देहरादून में नेशनल लेबल डिजास्टर प्रीपेडनेस एण्ड़ मेनेंजमेंट ट्रैनिंग ऑन फायर फायटिंग एण्ड़ लेण्ड़ स्लाइडिंग में प्रतिभाग कर प्रशिक्षण प्राप्त किया ।
4. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के दिनांक 09.05.2023 को ऑन लाइन जिला सचिव मीटिंग का आयोजन किया गया ।
5. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के 1 स्काउट मास्टर, ने दिनांक 10.05.2023 से 16.05.2023 तक नेशनल प्रशिक्षण केंन्द्र, पंचमढी में आयोजित हिमालय बुड बैज कोर्स में भाग लेकर सफलता प्राप्त की ।
6. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा 28वीं स्टेट रैली का आयोजन दिनांक 24.05.2023 से 28.05.2023 तक सफलता से किया गया जिसमे 350 प्रतिभागियो ने प्रतिभाग किया।
7. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के समस्त जिलो के द्वारा 15 मई से 30 जून, 2023 तक अपने जिलो के रेलवे स्टेशनो पर यात्रियों के लिए शीतल जल सेवा शिविर का आयोजन किया गया ।
8. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के 04 सदस्यों के द्वारा नेशनल ट्रैनिंग सेंटर में दिनांक 29.05.2023 से 02. 06.2023 तक आयोजित पायनियरिंग कम एस्टीमेशन कोर्स में प्रतिभाग कर सफलतापूर्वक प्रशिक्षण प्राप्त किया ।
9. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के 03 सदस्यों के द्वारा नेशनल ट्रैनिंग सेंटर में दिनांक 29.05.2023 से 02. 06.2023 तक आयोजित मैपिंग कम स्टार गेजिंग कोर्स में प्रतिभाग कर सफलतापूर्वक प्रशिक्षण प्राप्त किया ।
10. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के 01 सदस्य के द्वारा नेशनल ट्रैनिंग सेंटर में दिनांक 05.06.2023 से 09. 06.2023 तक आयोजित वार्डन कम क्वाटर मास्टर कोर्स में प्रतिभाग कर सफलतापूर्वक प्रशिक्षण प्राप्त किया ।
11. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा समस्त जिलो में विश्व पर्यावरण दिवस के अवसर पर दिनांक 05. 06.2023 को जागरुकता रैली, वृक्षारोपण, पेंटिंग व क्विज प्रतियोगिता का आयोजन किया गया।
12. राष्ट्रीय मुख्यालय, नई दिल्ली के द्वारा International Seminar on Ramayana in South East Asia at IGNCA, Sarnet Auditorium, Janpath New Delhi on 13th& 14th June 2023 कार्यक्रम का आयोजन किया गया, जिसमे उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स राज्य ने अपनी सेवायें प्रदान की ।
13. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा दिनांक 12.06.2023 से 16.06.2023 तक नेशनल ट्रैनिंग सेंटर, पचमढी में आयोजित नेशनल लेबल रोवर रेंजर समागम में प्रतिभाग किया गया ।
14. दिनांक 21.06.2023 को उत्तर रेलवे राज्य के द्वारा INTERNATIONAL DAY OF YOGA 2023 का आयोजन किया गया, जिसमें उत्तर रेलवे भारत स्काउट एवं गाइड राज्य मुख्यालय के सभी जिलो द्वारा प्रतिभाग किया गया।
15. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा दिनांक 30.06.2023 को राज्य मुख्यालय में ट्रेनर, ए०एस०ओ०सी०, ए०एस०टी०सी० मीट का आयोजन किया गया ।
16. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स की टीम के द्वारा RWCCO के जनरल बाडी मीटिंग में दिनांक 26.07.2023 को नेशनल रेल म्यूजियम् में अपनी सेवायें प्रदान की ।
17. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के समस्त जिलो के द्वारा दिनांक 01.08.2023 को विश्व स्कार्फ दिवस पर विभिन्न कार्यक्रम आयोजित किये गए ।
18. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स राज्य के द्वारा 25th World Scout Jamboree-Saemangeurn Jellabuk, Korea में दिनांक 01.08.2023 से 12.08.2023 तक सफलतापूर्वक प्रतिभाग किया।
19. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के समस्त जिलो के द्वारा दिनांक 15.08.2024 को स्वतंत्रता दिवस धूमधाम से मनाया गया ।

20. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा अमृत महोत्सव के समापन समारोह पर विभिन्न सांस्कृतिक कार्यक्रमों का आयोजन किया ।
21. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के 01 स्काउट, 01 गाइड, 01 रेंजर व 04 रोवर ने नेशनल द्वारा आयोजित हरियाणा राज्य के प्रशिक्षण केन्द्र, अम्बाला पर दिनांक 16.08.2023 से 18.07.2023 तक स्टेट लेबल जांच शिविर में प्रतिभाग किया ।
22. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के समस्त जिलो के द्वारा दिनांक 21.09.2023 को विश्व शॉति दिवस पर विभिन्न कार्यक्रम आयोजित कर शॉति का संदेश दिया ।
23. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के 08 सदस्यो के द्वारा नेशनल प्रशिक्षण केन्द्र पचमढी में दिनांक 24.09.2023 से 30.09.2023 तक आयोजित नेशनल लेबल सर्विस कैम्प में प्रतिभाग किया गया।
24. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के 05 सदस्यो के द्वारा नेशनल यूथ कॉम्पलेक्स, गद्पुरी में दिनांक 24.09.2023 से 30.09.2023 तक आयोजित नेशनल लेबल सर्विस कैम्प में प्रतिभाग किया गया ।
25. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के 04 सदस्यों के द्वारा लीला बेरी प्रशिक्षण केन्द्र पर आयोजित नेशनल लेबल योगा प्रशिक्षण कोर्स में दिनांक 26.09.2023 से 30.09.2023 तक प्रतिभाग किया ।
26. उत्तर रेलवे के 02 सदस्यों के द्वारा दिनांक 29.09.2023 से 30.09.2023 तक तिरुचनापल्ली में आयोजित एस0ओ0सी0 / एस0टी0सी0 मीट में प्रतिभाग किया ।
27. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा सितम्बर माह में आयोजित स्वच्छता पखवाडा में प्रतिभाग कर नुक्कड़ नाटक, जागरुकता रैली, रेलवे कालौनियों, रेलवे स्टेशनों व रेलवे यार्ड आदि में श्रमदान आदि का आयोजन किया गया ।
28. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा दिनांक 01.10.2023 से 05.10.2023 तक राज्य पुरस्कार स्काउट व रोवर का राज्य स्तरीय राज्य पुरस्कार टैस्टिंग कैम्प लीला बेरी प्रशिक्षण केन्द्र, रायवाला में आयोजित किया गया ।
29. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा दिनांक 01.10.2023 से 05.10.2023 तक राज्य स्तरीय राज्य पुरस्कार स्काउट व रोवर टैस्टिंग कैम्प लीला बेरी प्रशिक्षण केन्द्र, रायवाला में आयोजित किया गया ।
30. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के समस्त जिलो के द्वारा 02.10.2024 को गॉधी जयंती व लालबहादुर जयंती के अवसर पर प्रभात फेरी, सर्वधर्मप्रार्थना व रेलवे स्टेशनो व रेलवे कालौनियों में श्रमदान के कार्यक्रम आयोजित किए गए ।
31. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा 'मेरी माटी मेरा देश' अभियान में सक्रिय योगदान देते हुए रेलवे स्टेशनो पर भी अपनी सेवायें प्रदान की ।
32. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के 05 सदस्यो के द्वारा नेशनल यूथ कॉम्पलेक्स, गद्पुरी में दिनांक 03.10.2023 से 07.10.2023 तक आयोजित नेशनल यूथ एडवेंचर कार्यक्रम में प्रतिभाग किया गया ।
33. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा स्टेट लेवल सर्विस कैम्प कम कार्यशाला का आयोजन राज्य प्रशिक्षण केन्द्र, सलोगडा में दिनांक 04.10.2023 से 08.10.2023 तक सफलतापूर्वक किया गया जिसमे 30 प्रतिभागियो ने प्रतिभाग किया।
34. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा दिनांक 06.10.2023 से 10.10.2023 तक राज्य पुरस्कार गाइड व रेंजर का राज्य स्तरीय राज्य पुरस्कार टैस्टिंग कैम्प लीला बेरी प्रशिक्षण केन्द्र, रायवाला में आयोजित किया गया ।
35. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा दिनांक 06.10.2023 से 10.10.2023 तक राज्य स्तरीय राज्य पुरस्कार गाइड व रेंजर टैस्टिंग कैम्प लीला बेरी प्रशिक्षण केन्द्र, रायवाला में आयोजित किया गया ।
36. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के समस्त जिलो के द्वारा दिनांक 31.10.2023 को राष्ट्रीय एकता दिवस–2023 के अवसर पर विभिन्न कार्यक्रम आयोजित किए गए ।
37. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा दिनांक 31.10.2023 से 04.11.2023 तक पूर्वोत्तर रेलवे ऐशबाग प्रशिक्षण केन्द्र में रीजनल लेबल कब–बुलबुल उत्सव में प्रतिभाग किया ।
38. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स राज्य के समस्त जिलो के द्वारा दिनांक 07.11.2023 को Foundation Day मनाया गया।
39. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के 16 सदस्यों के द्वारा दिनांक 17.11.2023 से 21.11.2023 तक नेशनल लेबल एडल्ट लीडर ट्रैकिंग कार्यक्रम में जम्मूतवी में सफलतापूर्वक प्रतिभाग किया ।
40. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के सदस्यों के द्वारा दिनांक 23.11.2023 से 28.11.2023 तक कॉकाठेर में उत्तर भारत के कार्तिक मेले के दौरान अपनी सेवायें प्रदान कर यात्रियों को सहयोग प्रदान किया ।

41. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा दिनांक 24.11.2023 से 30.11.2023 तक बेसिक कोर्स फॉर फलॉक लीडर, गाइड कैप्टन व रैंजर लीडर लीला बेरी प्रशिक्षण केन्द्र, रायवाला में आयोजित किया गया ।
42. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा दिनांक 24.11.2023 से 30.11.2023 तक एडवॉस कोर्स फॉर फलॉक लीडर, गाइड कैप्टन व रैंजर लीडर लीला बेरी प्रशिक्षण केन्द्र, रायवाला में आयोजित किया गया ।
43. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा दीपावली व छठ पूजा के अवसर पर दिल्ली, नई दिल्ली, आनन्दविहार, गाजियाबाद, देहरादून, लुधियाना स्टेशनों पर यात्रियों की सुगम यात्रा हेतु अपनी सेवायें प्रदान की ।
44. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा अमृत भारत योजना के अर्न्तगत स्टेशनों, एफ0ओ0बी0/आर0ओ0बी0 के पुनर्निर्माण के उद्घाटन कार्यक्रमों में रेल प्रशासन का सहयोग कर अपनी सेवायें प्रदान की गयी ।
45. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा दिनांक 01.12.2023 को नेशनल रेल म्यूजियम्, नई दिल्ली में रेल महिला कल्याण संगठन के सम्मुख पर्यावरण संबंधित लघुनाटिका का प्रर्दशन किया ।
46. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा दिनांक 01.12.2023 से 07.12.2023 तक बेसिक कोर्स फॉर कब मास्टर; 01 कोर्सद्ध, स्काउट मास्टर; 02 कोर्सद्ध व रोवर स्काउट लीडर कोर्स; 01 कोर्सद्ध लीला बेरी प्रशिक्षण केन्द्र, रायवाला में आयोजन सफलता पूर्वक किया गया ।
47. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा दिनांक 01.12.2023 से 07.12.2023 तक एडवॉस कोर्स कब मास्टर, स्काउट मास्टर व रोवर स्काउट लीडर कोर्स लीला बेरी प्रशिक्षण केन्द्र, रायवाला में आयोजन सफलता पूर्वक किया गया।
48. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के दल द्वारा नेशनल लेबल रोवर/रेंजर कार्निवाल दिनांक 21.12.2023 से 25.12.2023 तक बेलागवी, कर्नाटक में प्रतिभाग किया ।
49. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा दिनांक 24.12.2023 को प्रधान कार्यालय, नई दिल्ली में ऑल इण्डिया रेलवे जम्बूरेट के लिए यूनिट लीडर्स मीट का आयोजन किया ।
50. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा दिनांक 05.01.2024 से 09.01.2024 तक दक्षिण रेलवे द्वारा तिरुचनापल्ली में आयोजित 20वीं ऑल इण्डियन् रेलवे जम्बूरेट में प्रतिभाग कर 14 ए ग्रेड व 9 बी ग्रेड प्राप्त किए ।
51. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा राष्ट्रीय मुख्यालय, नई दिल्ली के द्वारा दिनांक 02.02.2024 से 08. 02.2024 तक नेशनल एडवेन्चर संस्थान पचमढी में आयोजित International Adventure Programme में सफलतापूर्वक प्रतिभाग किया गया।
52. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा दिनांक 06.02.2024 से 10.02.2024 तक वोकेशनल क्राफ्ट कोर्स का आयोजन जिला प्रशिक्षण केन्द्र, रेल कोच फक्ट्ररी कपूरथला में किया गया जिसमे 74 सदस्यो ने सफलतापूर्वक प्रशिक्षण प्राप्त किया।
53. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के द्वारा दिनांक 06.02.2024 से 10.02.2024 तक स्पेशलाइजड कोर्स ऑफ सिग्नलिंग का आयोजन जिला प्रशिक्षण केन्द्र, रेल कोच फैक्ट्ररी कपूरथला में किया गया जिसमे 57 सदस्यो ने सफलतापूर्वक प्रशिक्षण प्राप्त किया।
54. दिनांक 22.02.2024 को चिन्तन दिवस के अवसर पर उत्तर रेलवे के समस्त जिलो द्वारा सर्वधर्म प्रार्थना सभा, कैम्पफायर, पैट्रौल प्रोजेक्ट, दीक्षा संस्कार समारोह का आयोजन किया गया ।
55. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स के 03 रोवर्स, 01 स्काउट, 01 गाइड ने इस वर्ष आयोजित प्रेजीडेंट अवार्ड की सी0बी0टी0 परीक्षा में सफलता प्राप्त की ।
56. उत्तर रेलवे भारत स्काउट्स एवम् गाइड्स राज्य मुख्यालय के द्वारा समय समय पर जरूरतमंद रेल अधिकारियों, रेलकर्मियों व उनके परिवारो के लिए रक्तदान किया ।

सुरक्षा

SECURITY

General Manager's Annual Narrative Report 2023-24

महाप्रबंधक की वार्षिक वर्णनात्मक रिपोर्ट 2023-24

CHAPTER – IX

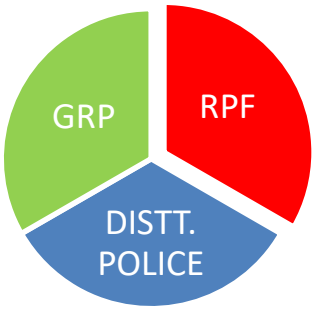
9.1 About the Department

The Security Department of Northern Railway is being headed by Principal Chief Security Commissioner, Railway Protection Force. The RPF also performs duties relating to passenger facilitation, ensuring passenger's safety and security, action against unauthorized hawkers, beggars and urchins, trespassers etc. In addition, the RPF as a Central Police Organization (CPO) has to undertake duties pertaining to movements, Melas, Agitations etc.

The objectives of the RPF are to carry on an unrelenting fight against criminals in protecting Railway property, Facilitate passenger safety and security by removing all anti-social elements form trains and railway premises, Co-operate with sister departments of the Railways in improving the efficiency and the image of the Indian Railways, Act as a bridge between the Government Railway Police/Local Police and the Railway Administration and adopt all modern technology and management techniques in the pursuit of these objects.

9.1.1 Security System on Indian Railways

Indian Railways has a three tier Security set up:-



(A)Railway Protection Force (RPF)

An armed force of the Union constituted under an Act of the Parliament, the RPF Act, for better protection and security of Railway property, passenger area and passengers and for matters connected therewith.

Duties of RPF include:

(i) To execute lawful orders.
(ii) To protect and safeguard railway property, passenger area and passengers;
(iii) To remove any obstruction in the movement of railway property or passenger area; and

(iv) To do any other act conducive for the better protection and security of railway property, passengers and passenger area.

For proper execution of these duties, RPF is legally empowered under the following Acts and Rules:

(i) **The Railway Property (Unlawful Possession) Act, 1966 [RP(UP) Act] :** This act empowers RPF to conduct enquiry & prosecution of cases involving theft, dishonest misappropriation, abetment, conspiracy, connivance and unlawful possession of the Railway Property.
Railway Property is defined as any goods, money or valuable security or animal belonging to or in the charge or possession of a railway administration.

(ii) **The Railways Act, 1989:** RPF is empowered to conduct enquiry and prosecution of offenders involved in offences like travelling without ticket, alarm Chain Pulling/Hose pipe disconnection, unauthorized hawking/vending, begging, drunkenness, nuisance, trespass, endangering safety of persons travelling by railways, opening or breaking level crossing gates, entering into compartments reserved for female, smoking, unlawfully bringing dangerous/offensive goods, obstructing running of trains etc.

(iii) **The Narcotics Drugs & Psychotropic Substances Act, 1985 [NDPS Act]:** RPF has been empowered to conduct search & do seizure under this Act.

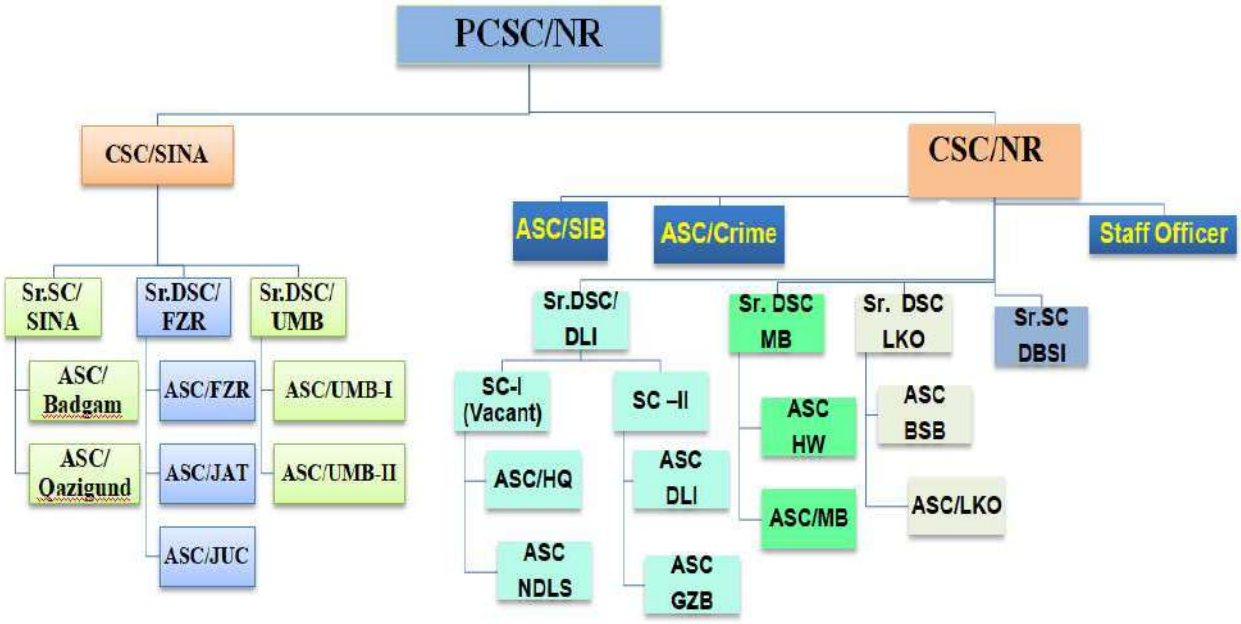
(iv) **The Railway Passengers (Manner of Investigation of Untoward Incidents) Rules, 2003:** Under this Rule, RPF is empowered to conduct enquiry on genuity of claims and submit report to the DRM for submitting written statement, on behalf of the Railways, before the Railway Claims Tribunals (RCTs).

(B)Government Railway Police (GRP) : GRP is a component of State Police . They are empowered to deal with offences against Passengers and register/investigate cases under the Indian Panel Code (IPC).

(C)District Police:- In most of the states, District Police is empowered to deal with offences under the IPC, if place of occurrence is between two outer signals and on the tracks.

9.1.2 RPF set up over NR

a) Organizational Chart



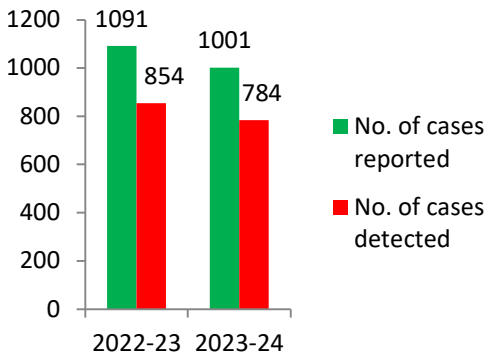
(b) Sanctioned/Present strength of RPF/NR *(as on 01.10.2024)*

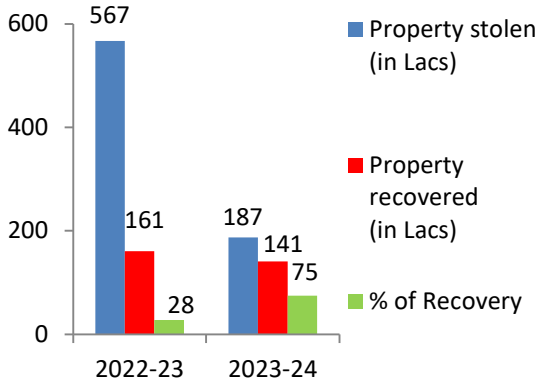
Rank	IG	CSC	JAG	SS	JS	IPF	SI	ASI	HC	CT	Dvr	Ancil/Artis.	Total
Sanctioned Strength	01	03	08	01	19	220	461	757	2377	3880	55	218	8000
Present Strength	01	03	08	-	19	206	426	670	1716	3985	24	187	7245
Vacancy	-	-	-	01	-	14	35	87	661	-105	31	31	755

9.2 Performance of Security Department During the year

9.2.1 Crime against Railway Property (Booked Consignment and Railway Materials)

Year	No. of cases reported	No. of cases detected	Value of property Stolen	Value of property recovered	Criminals arrested
2022-23	1091	854	5,67,90,794	1,61,02,127	1826
2023-24	1001	784	1,87,75,155	1,41,86,457	1718





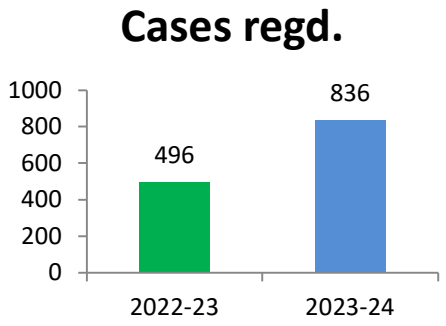
9.2.2 Offences under the Railways Act

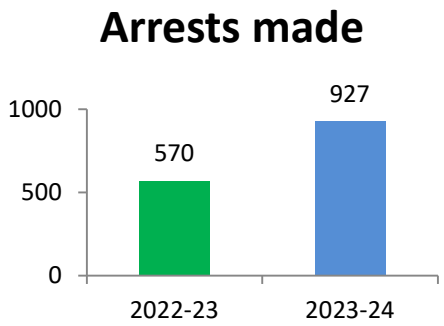
Sections of the Railways Act	2022-23		2023-24	
	Cases registered	Persons arrested	Cases registered	Persons arrested
Travelling without ticket (137 * 138)	205	206	159	159
ACP/HPD (141)	10492	7869	12201	9646
Touting (143)	496	570	836	927
Unauthorized hawking/vending (144)	18943	18941	17059	17067
Nuisance (145)	1996	1916	1969	1966
Trespass (147)	6501	6471	5496	5494
Endangering safety of passengers (153, 154)	794	612	979	639
Opening or breaking LC gates (160)	1080	871	1269	1011

Entering into compartments reserved for female (162)	1819	1819	1879	1878
Bringing dangerous/ offensive goods (164)	04	06	08	09
Smoking (167)	12	11	15	14
Obstructing running of trains (174)	1025	892	1043	809
Other sections (142,146,155,156, 159,163,166,172,175)	4528	4546	9052	9056
Total	47,895	44,730	51,965	48,675

9.2.3 Action against agents/Touts involved in illegal business of selling/Procuring reserved Railway tickets

Year	No. of cases registered	No. of persons arrested	Total no. of tickets seized	Total value of tickets seized (in Rs.)
2022-23	496	570	9639	1,65,84,160
2023-24	836	927	14519	12,32,95,129





9.2.4 Offences against passengers (registered by the GRP under the IPC)

a) IPC cases by GRP:

Offences	2022-2023		2023-24	
	No. of cases registered	No. of cases detected	No. of cases registered	No. of cases detected
Theft of passengers' belongings (TOPB)	2128	694	1785	467
Drugging	34	24	11	11
Robbery	79	51	42	30
Dacoity	01	01	00	00

Crime against Women passengers	47	31	37	16

b) Cases of the IPC detected by RPF and criminals handed over to the GRP for legal action.

Year	No. of cases detected by the RPF	No. of persons arrested by the RPF
2022-23	548	832
2023-24	382	493

9.2.5 Action by RPF under the NDPS Act :

Year	No. of cases detected by RPF	No. of persons arrested by RPF	Value of seized contraband items (In Rs.)
2022-23	62	53	8,80,66,292
2023-24	55	64	64,09,728

9.2.6 Seizure of smuggled wild life/ endangered spices by RPF

Year	No. of cases detected by RPF	Arrests made by RPF
2022-23	2	2
2023-24	2	0

9.2.7 Important initiatives.

(a) **Rail Suraksha:** Drives with an objective of protection and prevention/ detection of crime against railway property including booked consignment, efforts to reduce any leakage of railway revenue.

(b) **Yatri Suraksha:** Drives with an objective of Prevention and Detection of passenger crime, emergency response under 139/ Rail Madad.

(c) **Mahila Suraksha:** Targeted for security of women passengers including “Meri Saheli”, “ Matangini”and other squads. Special ladies escort in ladies coaches, drive against unauthorized travel in ladies coaches among others.

(d) **SEWA:** Drives with an objective of assistance to passengers/ elderly/ women/ Divyangjan/ sick/ injured/ infants etc.

(e) **Satark:** Drives with an objective of action against illicit liquor/FICN/illegal tobacco products/unaccounted gold/cash/precious items/any other items for the

(f) purpose of tax evasion/smuggling. Recovery of arms/ammunitions/ explosives etc.

(g) Matri Shakti: Drives with an objective of assistance to pregnant women passengers in child birth.

(h) Uplabdh: Drives with an objective of action against touts and unauthorized entry in reserved coaches etc.

(i) AAHT: Action against human trafficking (AAHT), rescue of the victim from the clutches of traffickers, apprehension of traffickers.

(j) e-office: All office files are being dealt electronically through this.

(k) E-Suvidha: Provides information to RPF Employees for their BIO-Data, Promotion, Posting Details, Transfer Order, Award, APAR, Leave, Family Details, Punishment, download Service Book in PDF etc.

(l) R.B.M.S: RPF Barrack Management System. This has been developed for monitoring the progress of construction & provisioning of amenities along with redressal of grievances related to upkeep, repair & maintenance of the barracks meant for RPF/RPSF personnel.

(m) RSMS: RPF Security Management System was developed -

- To help railways to develop paperless office,
- To track cases registered and enquired by RPF online 24x7,
- To allow seamless exchange of data between different modules,
- To ensure automatic generation of reports,
- To ensure quick and accurate data analysis etc.

It has become fully functional with proper utilisation of all modules from Post – level to Zonal Headquarter.

(n) Security Helpline No. 139: This is an all India Security Helpline number which is available 24*7 for assistance to passengers in case they have any security related problem during journey. Complaints received on this number are as under:

Year	No. of complaints received through 139	No. of complaints redressed
2022-23	35392	35392
2023-24	48761	48761

(o) Twitter/X Complaints: Complaints received on RPF Northern Railway twitter handle **@rpfnr**:-

Year	No. of complaints received	No. of complaints redressed
2022-23	2794	2794
2023-24	3136	3136

(p) Children in need of care and protection

- Railway Board issued revised Standard Operating Procedure (SOP), 2021 in accordance with the directions of the Hon'ble High Court of Delhi in the Writ Petition (Civil) No. 5365/2012 Ms. Khusboo Jain Vs. Union of India; Juvenile justice (Care & Protection of Children) Act, 2015 further amended in 2021; Juvenile Justice (Care and Protection of Children) model rules, 2016 and other existing guidelines/directions.
- Child Help Desk (CHDs) and Child Help Groups (CHGs) have been set up at important stations of NR. Representatives of nominated NGOs are also available at CHDs.
- 20 stations of NR have identified and approved for extension of SOP and setting up of CHDs.
- CHDs are set up presently at 20 stations : Amritsar, Ludhiana, Jammu Tawi, Firozpur, SVDK, Ambala Cantt, Chandigarh, Patala, New Delhi, Delhi-Main, Anand Vihar, Hazrat Nizamuddin, Meerut City, Moradabad, Bareilly, Dehradun, Rampur, Haridwar, Lucknow & Varanasi.

Children rescued by the RPF:-

Year	Female children rescued				Male children rescued				Grand Total
	United with parent	Handed over to NGOs	Handed over to police*.	Total	United with parents	Handed over to NGOs	Handed over to police*	Total	
2022-23	23	563	17	603	35	2033	26	2094	2697
2023-24	07	361	28	396	07	486	30	523	919

Cases of child trafficking

9.3 Dog Squad in NR :

RPF has a very strong and effective dog squad set up over NR.

S. Strength	Strength Available	Sniffer	Tracker
33	29	23	6

9.4 Incidents of Bandh Calls, Bomb threats, Sabotage over NR in 2023-24

Incident	No. of Incidents
Sabotage	05

Rail Roko/ Dharna	549
Bomb Calls (All calls were found hoax calls)	05

9.5 Disposal of complaints, grievances of passengers (CPGRAM)

Year	No. of complaints received	No. of complaints redressed
2022-23	284	284
2023-24	222	222

9.6 Awards to RPF Personnel:-

In recognition of their sincerity, devotion to duty and exemplary courage, RPF personnel of NR received 01 Indian Police Medal by the President of India and 06 DG's Insignia by the Director General/RPF in the year 2023.

9.7 Some exceptional cases worked out by RPF:-

- On 21.04.23, RPF/Varanasi apprehended two outsiders at Varanasi Railway station and recovered 4.4 kg Opium, valued Rs.4,88,730/- from their possession. In this connection, GRP/BSB registered a case vide FIR No.90/23 u/s 8/17/18 of NDPS against the arrested criminals.

- On 18.05.23, RPF/LDH apprehended 02 outsiders at Ludhiana Railway station with possession of **40.9 kg silver**, valued approx. Rs.28 lakh and Cash Rs.1,02,270/-. The cash was returned to the owner and the silver has been confiscated by Excise Department for further legal action.

- On 21.05.23, RPF/New Delhi apprehended 03 criminals with recovery of a gold ornaments, with the help of CCTV footage of the coach. GRP/NDLS registered a case vide FIR No.0067/23 u/s 392 IPC.

- On 22.05.23, RPF/CIB/MB apprehended a drugging criminal from MB Railway station & connected to previously registered cases at GRP/MB vide FIR No.34/23 & 46/23 u/s 328 & 380 IPC duly incorporating section 411 IPC to the cases.

- On 04.02.2024, RPF/Varanasi recovered 237 live turtles from train no. 13430 and case Property were handed over to the Forest Deptt. for legal action.

- On 26.02.2024, RPF/NR recovered 500 packets of imported cigarettes, valued approx. Rs. 20 Lacs. during illegal transportation at New Delhi Railway Station.

- On 05.02.2024, RPF/Sandila recovered 16 parcels at Sandila railway station, valued approx. ₹50.15 Lacs with arrest of 04 criminals. In this connection, CCNo. 01/2024 u/s 3RP(UP) was registered against them.

संकेत एवं दूरसंचार
SIGNAL & TELE

General Manager's Annual Narrative Report 2023-24

महाप्रबंधक की वार्षिक वर्णनात्मक रिपोर्ट 2023-24

Chapter X

10.1 About the Department

- Over Indian Railways, Signalling and Telecommunication systems are increasingly playing vital roles in enhancing safety in train operations by providing technical solution to avoid human error as well as facilitating increase in rail traffic by providing better communication for faster and smooth train operations and monitoring.

- Northern Railway also has been progressively modernizing its Signalling infrastructure by way of introducing various modern Signalling systems like Electronic and Relay based Interlocking system, Modern track vacancy detection devices viz, Track Circuits, Axle Counter, Automatic Signalling, Modern Block equipment like BPAC and UFSBI etc. The old mechanical Signalling systems at remaining stations of the Railway are also being phased out and being replaced with modern Signalling systems in a planned manner.

- Various Telecommunication systems are also being upgraded with the introduction of emerging telecom technologies like LTE, Optical Fiber Communication (OFC), Six Quad Cables in place of other outdated systems deployed for Train control and administrative control communication between various points important for train operation as well as decision making.

- Action plan has been chalked out to create Signalling & Telecom infrastructure on Northern Railways for meeting the projected traffic growth requirements by way of having Electrical/Electronic Interlocking at all stations in replacement of obsolete multi cabin/mechanical Signalling. Besides, provision of LED based color light signals for better visibility, lesser maintenance and high durability, Block Proving by Axle Counters (BPAC)/Continuous Track Circuiting for automatic proving of clearance of block sections for improved safety as well as throughput has been done at several stations and its proliferation is being increased continuously. Some other important improvement actions are also being taken toward improving safety and reliability like complete track circuiting of station sections on all routes, On-line monitoring, predictive maintenance and asset management system with provision of Data loggers at every Signalling installation etc. Use of IOT in failure diagnostics and preventive maintenance has also been planned recently.

- For improving train safety, automatic train protection is being provided on select sections. Train Protection Warning System is operational on Hazrat Nizamuddin-Palwal section. Indigenously developed train protection system “KAVACH” has also been planned and works sanctioned on Northern Railway’s portion of New Delhi-Mumbai, New Delhi-Howrah and several other sections.

- In Telecom sector, introduction of Mobile train radio communication, extension of

Optical Fiber Cable (OFC) and Six Quad Cables over the entire route, IP based train control communication, voice network modernization, Wi-Fi, Baggage Scanner, Digital Clock, Coach Display Board, Train Display Board and replacement of overhead alignment with underground cables to improve reliability of the communication system and enhance the capability of the rail transport system. Broad band internet and multimedia facilities, high quality train information displays, information boards at stations & running trains and CCTV cameras at Reservation centers, Railway Stations, Central & Divisional Hospital and Health Units are some of the important infrastructure provided and being provided to improve the quality of passenger service.

10.2 Brief Signalling and Telecom Profile

➢ Signalling & Interlocking System:

Interlocking is an arrangement of signals, points and other appliances, operated from a panel or lever frame so interconnected by Mechanical/Electrical/Electronic locking or a combination of these so that their operation takes place in proper sequence to ensure safety. Details of Interlocked stations over NR are shown below:

Table 1: No. of Interlocked stations on NR

	Gauge	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
No. of Interlocked stations (STD-I® & above)(including Block Huts)	B.G.	694	698	709	710	712	716
	N.G.	2	2	2	2	2	2
No. of stations with MNI	B.G.	11	9	-	-	-	-
	N.G.	30	30	30	30	31	31
Total No of Interlocked stations		737	739	741	742	745	749

➢ Type of Signalling:

Type of Signalling on Northern Railway has undergone drastic change with extensive proliferation of Multi Aspect Color Light Signal stations increasing from 670 in March 2019 to 717 in March'2024 while Mechanical Semaphore Signalling reducing from 45 in March 2018 to NIL March 2024 excluding 33 N.G.

Details of type of Signalling are given below:-

Table 2 : Type of Signalling at stations on NR							
	Gauge	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
No. of stations with MACLS(including Block Huts)	B.G.	670	682	703	709	712	716
No of stations with 2 Aspect Colorlight Signalling	B.G.	0	0	0	0	0	0
No. of stations with Semaphore Signalling	B.G.	35	25	6	1	0	
	N.G.	32	32	32	32	33	33
Total No. of Stations		737	739	741	742	745	749

➢ Panel/Route Relay Interlocking (PI/RRI/EI):

All the Stations on route 'A', 'B', 'C', & 'D' on NR are being replaced progressively with Electrical/Electronic Interlocking to enhance Safety, provide faster and flexible train operations by reducing dependence on human interference due to centralized operation of points and signals. In addition, complete track circuiting is also provided in station section. Stations with Mechanical Signalling on 'D' route are also being provided with Electronic Interlocking.

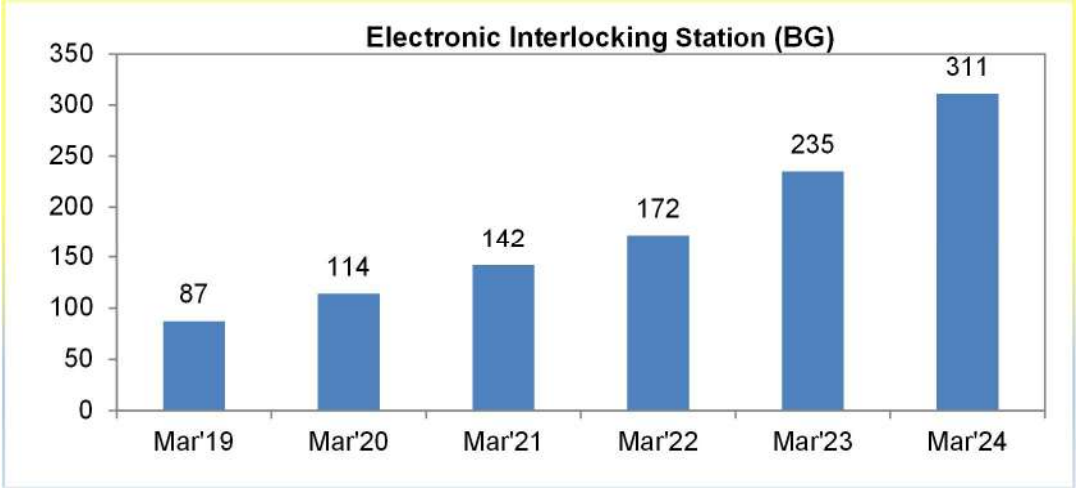
Details of Mechanical Signalling system and PI/RRI/EI on NR from 2018-19 to 2023-24 as shown in table below:-

Table 3: No. of RRI/PI/EI & Electromechanical Stations on NR							
	Gauge	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
No. of Stations withRRI/PI/EI (including Block Huts)	B.G.	545	565	579	597	632	681
No. of Stations with Mechanical/ Electro-Mech. Interlocking systems	B.G.	160	142	130	113	80	35
	N.G.	32	32	32	32	33	33
Total No of Stations		737	739	741	742	745	749

Nos. remaining stations provided with Lever Frame & Semaphore Signalling are already sanctioned for replacement with PI/EI/RRI on Northern Railway.

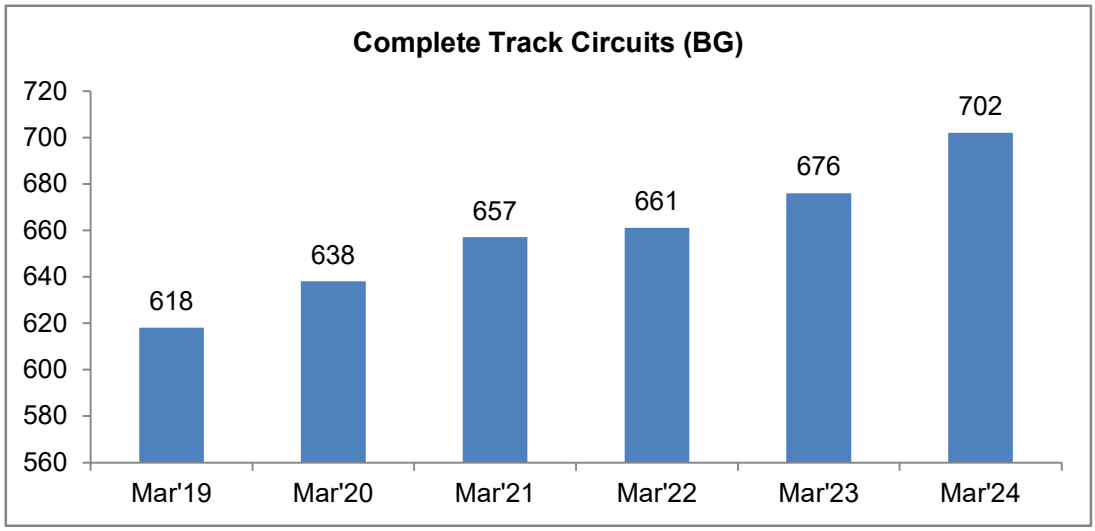
➢ Electronic Interlocking (EI):

Electronic Interlocking have been provided at 311stations (B.G.) on NR for highest level of safety and reliability. The extent of proliferation of Electronic Interlocking over NR over last 5 years is indicated below:



➢ Track Circuiting:

Complete Track Circuiting has been provided on all the stations on 'A' ,'C' and 'D' routes on Northern Railway. Track circuiting on balance stations of other routes is also being provided progressively. Complete track circuiting has been extended from 618 stations (B.G.) to 702 stations (B.G.) in last five years.



➢ IPS (Integrated Power Supply):

Integrated Power Supply system (IPS) provides all the power requirements for the Signalling & Telecom functions of a Railway yard from a single unit, with a single set of battery backup. Power from the mains is converted regulated and fed through a distribution board. The IPS helps to maintain reliable and continuous power at the lowest cost, considering capital and maintenance costs.

Details of IPS provided on NR during last 5 years are shown in Table below:-

Table 4 : No. of IPS Provided at Stations on NR							
	Gauge	2018-19	2019-20	2020-21	2021-22	2022-23	2024-25
No. of Stations with IPS	B.G.	582	593	625	649	677	689
Total No of Stations (including Block Huts)	B.G.	705	707	709	710	712	716
	N.G.	32	32	32	32	33	33
	Total	737	739	741	742	745	749

No. of stations provided with IPS has increased from 582 in 2018-19 to 690 in 2023-24 in the last five years.

➢ Data Logger:

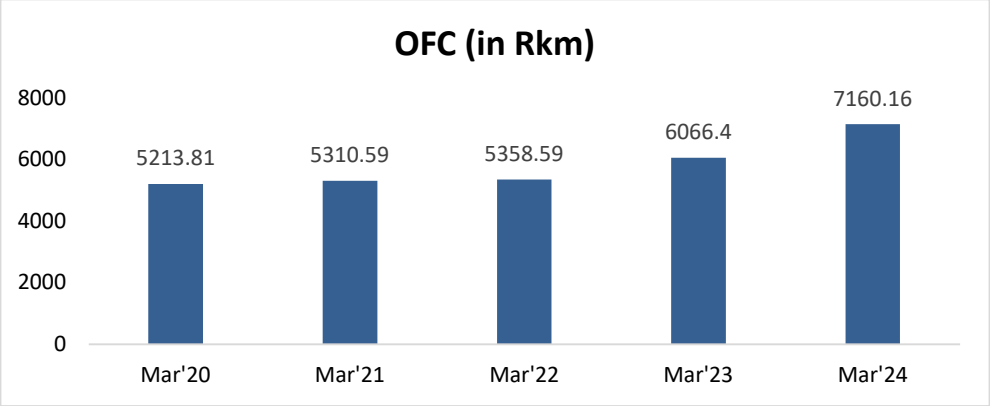
Data Loggers have been installed to monitor and record all activities and events in the Signalling System of a Railway station/yard in the chronological order. This data forms the basis for predictive and proactive maintenance. Details of Data loggers provided on NR during last 5 years are shown in Table below:-

Table 5 : No. of Data loggers provided at Stations on NR							
	Gauge	2018-19	2019-20	2020-21	2021-22	2022-23	2024-25
No. of Data Loggers provided at Stations	B.G.	568	582	590	608	643	685
Total No of Stations (including Block Huts)	B.G.	705	707	709	710	712	716
	N.G.	32	32	32	32	33	33
	Total	737	739	741	742	745	749

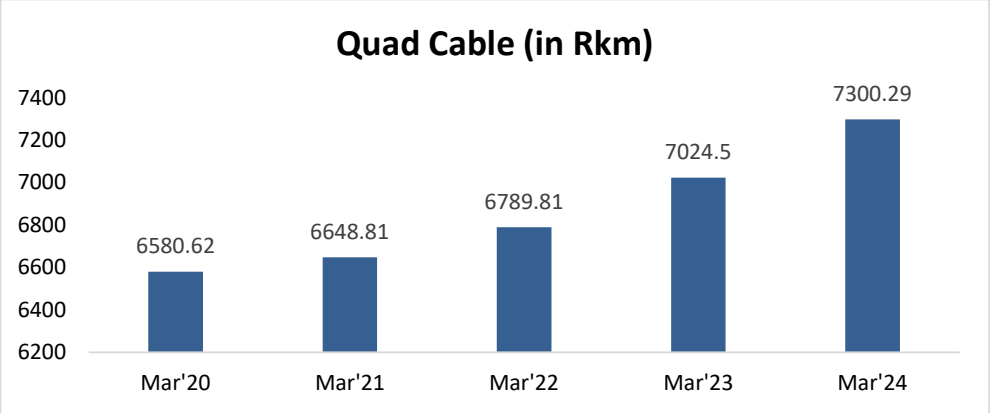
The Data Loggers have also been networked so that information is available at central locations. At present, all the data loggers are working in network mode.

➢ Optical Fiber Cable & Quad Cable System:

Optical fibers are extensively used in modern communication links as they offer very large bandwidths. At the same time, it is not prone to theft like copper cables. During the last five years, OFC links have increased manifold on Northern Railway from 5213.81 Kms in March'2020 to 7160.16 Kms in March'2024.



Quad cable network has increased from 6580.62 Kms in March'20 to 7300.29Kms in March'24.



10.3 Highlights of the year

➢ S&T Budget

Budget Allotment for Signalling and Telecom works has increased progressively in the last five years. The total expenditure in the last five years for S&T plan head has been Rs.1512.77 Cr. Thus, the average budget expenditure per annum for S&T Plan Head has been Rs 303.98 Cr. Expenditure in 2023-24 was Rs.542.67Cr.

➢ Innovations

Northern Railway has adopted latest developments and innovations in the field of Signalling and Telecommunication to improve maintenance practices for enhanced reliability of S&T assets.

➢ Dual Detection Track Circuit arrangement:

In order to improve Track circuit reliability, failure prone track circuits were identified in two divisions i.e. Delhi and Ambala of Northern Railway, where maintenance of track circuit is difficult due to water logging and other such problems. At these locations, Dual Detection Track Circuit arrangement has been introduced to improve the reliability. This has been done by way of installing an axle counter in parallel to DC track circuit so that either can be detected when one fails, thus avoiding detention of trains.

➢ Provision of Emergency Sliding Boom at LC gates:

Gate booms are provided for closing the road for road users when train has to pass at manned Level crossing gates. In case of damage to gate boom, the emergency sliding boom arrangement provides a strong boom arrangement across the road and can be provided very quickly & easily across the road. This arrangement is steady and replaces conventional arrangement of emergency chain, which has drawbacks such as formation of sag, looseness and less reliability. The emergency sliding boom provided adjoining to track is pulled across the road on rollers and is rested on a resting post provided at the other end of the road. Moreover, this arrangement helps in reduction of trains detention as trains can be passed with normal speed in case of damage of gate boom.

Provision of emergency sliding boom arrangement have been developed & introduced first time by Northern railway and now it has been adopted all over Indian Railway. Emergency sliding boom arrangement have been provided at 1176 nos. of Level crossing gates & are being provided at other level crossing gates over Northern Railway.

➢ CCTV Cameras at Stations:

To keep a vigil on reservation booking & discourage touts, CCTV cameras were installed in reservation centers at Chandigarh, Kalka, Patiala, Bathinda and Saharanpur stations on Ambala division and New Delhi, Delhi Main, Anand Vihar, Ghaziabad, Delhi Shahdara, Lajpat Nagar, Hazrat Nizamuddin, Madipur and Noida stations on Delhi division. In addition, newly installed CCTV on Saharanpur, Bathinda, Patiala and Kalka and live view on internet of CCTV images have been made possible by providing BSNL broadband connections having static IP. Now monitoring any of these locations can be done on Internet by using allotted static Internet Protocol address.

CCTV cameras were installed under Integrated Security System at Moradabad, Bareilly and Haridwar on Moradabad Division and Srinagar, Badgam, Anantnag, Udhampur, Amritsar, Jalandhar City, Ludhiana, Pathankot Cantt, Bijbehara, Panjgam, Awantipura, Kakapora, Pampora and Mazhom of Firozpur Division and Kalka, Patiala and Bathinda, of Ambala Division and Lucknow, Ayodhya Cantt, Ayodhya & Varanasi of Lucknow Division & New Delhi, Delhi, Hazrat Nizamuddin, Delhi Shahdara, Ghaziabad, Anand Vihar Terminal, Tilak Bridge, Shivaji Bridge, Delhi Sarai Rohilla, Delhi Cantt of Delhi Division.

In addition to above, CCTVs have been provided under Nirbhaya Funds at Dehradun, Chandausi, Hapur, Hardoi, Roorkee, Shahjahanpur, Amroha, Rampur & Nazibabad Railway Station of Moradabad Division and Faridabad, Jind, Karnal, Faridabad Town, Ballabhgarh, Meerut City, Panipat, Gurugram, Nangloi, Adarsh Nagar, Meerut Cantt, Shakurbasti, Subzi Mandi, Sonipat, Rohtak of Delhi Division, Beas, Firozpur Cantt, Pathankot, Phagwara, Jammu Tawi, Sri Mata Vaishno Devi Katra, Jalandhar Cantt., Baramulla, Hamre, Pattan, Sadura, Qazigund, Banihal & Phillaur of Firozpur Division. Phulpur, Bhadohi, Janghai, Jaunpur, Pratapgarh, Prayag Ghat, Unnao, Rae Bareli, Barabanki, Sultanpur, Amethi, Shahganj of Lucknow Division. Jagadhri, Rajpura Jn., Sirhind Jn.,Shimla, Saharanpur, Ambala Cantt of Ambala Division.

P.K. Road Railway Colony, SP Road Railway Colony Washing Line New Delhi, RPF post Gurugram, Delhi Safdarjung, IRCA Building New Delhi, Gati Shakti unit at DRM office New Delhi, Creche of Baroda House, Creche of DRM office New Delhi of Delhi Division and Loco Lobby Ludhiana of Firozpur Division under DRM power. CCTV Cameras were installed in Ayodhya, Ayodhya Cantt., Salarpur and Darshan Nagar stations after redevelopment work.

➢ Provision of CCTV Cameras at Hospital/Health Unit:

Northern Railway Central and Divisional Hospital & Health Unit were installed with 79 Nos. CCTV Cameras at 24 locations in Delhi Division, 100 Nos. CCTV Cameras at 12 locations in Firozpur Division, 62 Nos. CCTV Cameras at Divisional Hospital in

Lucknow Division, 63 Nos. CCTV Cameras at 11 locations in Moradabad Division & 65 Nos. CCTV Cameras at 07 locations in Ambala Division.

(CCTV at Jammu Tawi station)

(CCTV at Lucknow station)

(CCTV at IRCA Building, New Delhi Station)

➢ Provision of CCTV Cameras at LC Gates:

CCTV cameras provided at 19 Nos. LC Gates (247, 321, 343, 359, 359B, 19A, 415, 471, 477, 448, 51, 82, 94 & 96 of Moradabad Division and 13C, 40A, 118A, 23C & 125 Spl of Lucknow Division) to enhance safety and security.

LC - 96 of Moradabad Division

➢ Augmentation of Storage of CCTV Cameras:

The data storage capacity for CCTV cameras was increased to ensure a minimum storage duration of 30 days at 106 Stations over NR (MB-21, FZR-28, LKO-21, DLI-26, UMB-10).

➢ Baggage Scanner:

To enhance Passenger Security, X-ray Baggage machines have been installed at (Ludhiana, Jallandhar City, Amritsar & Pathankot Cantt.) in Punjab area (Sri Nagar, Badgam, Anantnag, Bijbehara, Panjgam, Awantipura, Kakapora, Pampora, Jammu Tawi, Udhampur & Rajeshwar) in J&K of Firozpur Division. Moradabad, Bareilly & Haridwar station of Moradabad Division, Lucknow, Varanasi, Ayodhya Cantt & Ayodhya of Lucknow Division, Kalka, Patiala, Bathinda Jn., Chandigarh, Saharanpur, and Ambala Cantt. of Ambala Division. Now X-ray Baggage machines are maintained by the RPF.

➢ Provision of Security Helpline number:

A uniform 3 digit short code telephone number 182 was made operative for security helpline over Northern Railway. This is quick to dial and easy to remember number covering all landline & mobile service providers. The security helpline facility is working on divisional-centric configuration wherein call originating from anywhere within the jurisdiction of division, will automatically reach the concerned divisional security control.

For activation of this facility, two BSNL/MTNL line were terminated in each divisional security control manned by RPF personnel. All concerned telecom circles of MTNL/BSNL and service providers like Airtel, Aircel, Reliance, Vodafone, Idea, Tata Teleservices, Videocon etc. operating in Delhi, Punjab, Haryana, Himachal Pradesh, UP(East), UP(West), Rajasthan, Jammu & Kashmir telecom circles were requested to suitably programmed their switches as per divisional geography.

Now merged 182 in to Rail Madad Help line 139 over Indian Railway in compliance of Railway board Instruction.

➢ WI-FI at Stations over NR:

Wi-Fi is Local area network on wireless technology. It is an underling Technology of Wireless Local Area Network. Wi-Fi allows Computers & other devices of passengers to communicate over a Wireless Network. Wi-Fi has been installed at 614 stations (FZR-120, UMB-103, DLI-147, MB-122 & LKO-124) over Northern Railway. Wi-Fi are provided by the TATA trust and Railway.

➢ Voice over Internet Protocol" on UTS Network:

"Voice over Internet Protocol" telephones were tested successfully on UTS network in Ambala division. Since UTS circuit is available on each station, this system will be helpful during Control/Block failure or TFC to provide communication between Control Office and way side stations.

➢ Provision of IP Phone for Control Communication:

05 No's IP Phone has been installed in Asthal Bohar-Rewari section for control communication through Wi-Fi connectivity by providing SIM aggregator. By using this phone control communication failure will be reduced.

➢ System To Access Accident sites:

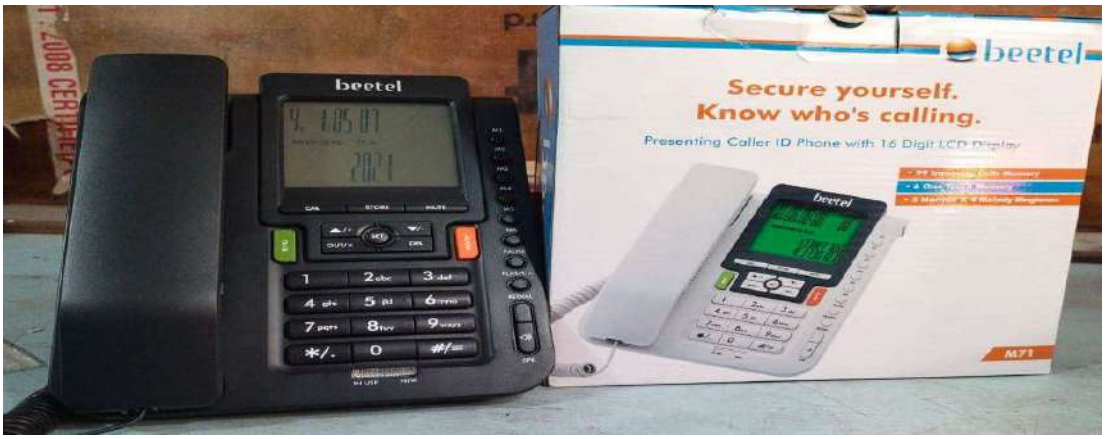
To provide Broadband Railnet/Internet to access all derailment/Accident sites, Ambala division has innovated and developed a standard kit. Broad band internet access can be provided at all the stations through OFC network with the application of standard kit. The kit uses E-1 interface of Railway OFC and comprises E-1 to Ethernet converter, LAN extender and E-1 modem. For Accident / Derailment in Block Section having quad cable, Broadband is extended on Disaster Management pair. This facility can also be used for videos of Derailment / Accident site without use of bulky Satellite based VSAT system and affords greater Bandwidth and speed. Telecom Equipments of ART has been upgraded as per RDSO Letter No: STT/WL/ARRO (Pt.) 244/Vol-II Dt. 18.06.2020 with additional following items by Delhi Division as under-

(a) Rugged Laptop

(b)Tripod Stand for Full HD Bullet type IP Color Camera

(c) Hot Spot 4G Wi-Fi Router Dongle (Data SIM Card)

(d) All in One color Laserjet Printer



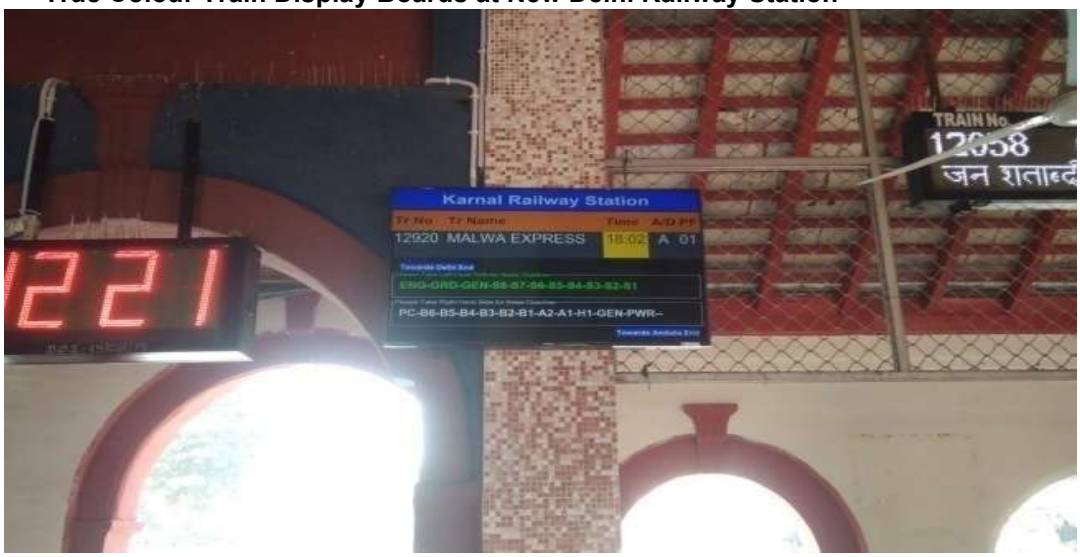
(e) Fixed Cellular Telephone (4G SIM based)

➢ True Color Led Indication Boards:

In order to enhance quality of passenger amenities at 'A' and 'B' class stations, display boards having capabilities of displaying information in true color and Multi languages have been introduced. Its key features include Multi Color multi lingual display apart from video-cum-train arrival departure information display. Besides, the display of such boards is easy to read and soothing to the eyes. Its benefits include low operational cost, source of additional revenue generation through advertisements. It also helps in minimizing load at enquiry counters.

On Northern Railway, **True Color Train Indication LED** Boards have been provided at major stations namely, New Delhi, Delhi Cantt., Kurukshetra, Ballabhgarh, Palwal, Hazrat Nizamuddin, Anand Vihar Terminal, Delhi Sarai Rohilla, Karnal, Rohtak, Delhi Main, Faridabad, Ghaziabad, Gurgaon, Meerut City, Panipat, Subzi Mandi, Shakurbasti, Sonipat, Muzaffar nagar, Meerut City, Meerut Cantt of Delhi Division and Akbarpur, Amethi, Ayodhya, Barabanki, Bhadohi, Ayodhya Cantt, Janghai, Jaunpur, Jaunpur City, Lucknow, Pratapgarh, Prayag, Raebareli, Sultanpur, Unnao, Varanasi, Shahganj, Akbarpur, Raebareli, Salarpur and Darshan Nagar of Lucknow Division and Abohar, Ambala Cantt, Ambala City, Barnala, Bathinda, Chandigarh, Dhuri, Jagadhari, Kalka, Khanna, Nangal Dam, Patiala, Rajpura, Roop Nagar, Saharanpur, Shimla, Sirhind, Una Himachal of Ambala Division and Amritsar, Anantnag, Banihal, Baramulla, Beas, Badgam, Firozpur Cantt, Jalandhar Cantt., Jalandhar City, Jammu Tawi, Ludhiana, Pathankot, Pathankot Cantt, Qazigund, Sri Mata Vashno Devi Katra, Udhampur of Firozpur Division & Dehradun, Hapur, Haridwar, Jawalapur, Laksar, Moradabad, Raiwala, Rishikesh, Roorkee, Bareilly, Shahjahanpur, Hardoi, Yognagri Rishikesh of Moradabad Division.

True Colour Train Display Boards at New Delhi Railway Station



On Northern Railway, **Coach Guidance Boards** have been provided at major stations namely, New Delhi, Delhi Cantt., Kurukshetra, Ghaziabad, Hazrat Nizamuddin, Anand Vihar Terminal, Delhi Sarai Rohilla, Karnal, Rohtak, Bahadurgarh, Faridabad, Gurgaon, Panipat, Sonipat, Delhi Main, Sonipat, Bahadurgarh, Panipat, Meerut City of Delhi Division and Amethi, Ayodhya, Barabanki, Bhadohi, Ayodhya Cantt, Janghai, Jaunpur, Jaunpur City, Pratap garh, Prayag, Raebareli, Unnao, Varanasi, Shahganj, Akbarpur, Lucknow, Prayag Ghat Sangam, Salarpur and Darshan Nagar of Lucknow Division and Ambala Cantt, Bathinda, Chandigarh, Jagadhri, Kalka, Patiala, Rajpura, Saharanpur, Sirhind of Ambala Division and Amritsar, Beas, Faridkot, Gurdaspur, Jalandhar Cantt., Jalandhar City, Jammu Tawi, Ludhiana, Pathankot Cantt, Phagwara, Sri Mata Vaishno Devi Katra, Udhampur of Firozpur Division & Bareilly, Dehradun, Hapur, Haridwar, Jwalapur, Laksar, Moradabad, Raiwala, Rishikesh, Roorkee, Yognagri Rishikesh of Moradabad Division.

Coach Guidance System at Hazrat Nizamuddin Railway Station

➢ Video Conferencing:

In order to create interactive meeting environment during pandemic, Northern Railway has adopted latest technology by providing Video Conferencing equipments at Zonal/Divisional offices and also provided CISCO Web link platform during COVID-19 for Video Conferencing between GM and Railway Board apart from GM, CAO and DRMs of all five divisions.

During COVID-19 pandemic, arrangements for Video conference between Railway Board, GM, DRMs & PHODs and other officials from home through WebEx, Zoom & Google hangout applications have been made. All Video conferences are operated properly on Railnet /internet from Residences/Office. Till date Northern Railway has conducted more than 150 Video conferences per month on an average.

➢ Biometric Scanner Access Control System At Control Office:

In order to restrict entry of unauthorized persons in control office, Northern Railway has commissioned Biometric Scanner Access Control System at Control office DRM's office, New Delhi.

➢ Tele Consult Facility:

Video calling arrangement on 49” LED screen is provided at Divisional Hospital for facility to patient for getting on line Treatment.

Face to face enquiry system with Telecom facility setup at NRCH for COVID -19 OPD. Rly No.71541 MTNL No. 23341970 provided to OPD doctor.

➢ CCTV Cameras and Other Additional Telecom Facility to Monitor Isolation Coaches at Station:

ANVT-

i. 16 Nos. camera installed at ANVT station (PF no 4, 5, 6 & 7) networking with existing CCTV system and CCTV feed provided in COVID- 19 control room on 52” LED TV for monitoring of isolation coach.
ii. Rly phone & 17 Nos. FCT is provided for communication.
iii. 41 Nos. Wi-Fi hotspot dongle is provided for internet access for control room & patients.

Camera at Isolation coach

Camera at Platform

SSB-

i. 03 Rly phone & 08 FCT provided for communication.
ii. 14 Nos. CCTV installed by laying of 1200 mtrs OFC from SSB station.
iii. 10 Nos. Wi-Fi hotspot dongle provided for internet access in control room & isolation Coaches.

DEC-

i. 4 Nos. CCTV camera are provided at PF no 4 & 5.
ii. 01 no. Rly phone & 2nos FCT provided for communication.
iii. 01 No. WI-FI hotspot dongle provided for internet access in control room & isolation coach.

DEE-

i. 9 Nos. CCTV camera are provided at PF no 4&5
ii. 02 Nos. Rly phone & 06 nos FCT provided for communication.
iii. 05 Nos Wi-Fi hotspot dongle provided for internet access in control room & isolation coaches.

DSJ-

i. Nos. CCTV cameras are provided at PF no 4 & 5.
ii. 04 Nos Rly phone & 04 nos FCT provided for communication.
iii. 04 Nos Wi-Fi hotspot dongle provided for internet access in control room & isolation coaches.

TKD-

i. 4 Nos. CCTV camera are provided at PF no 4 & 5.
ii. 02 Rly phone & 03 nos FCT provided for communication.
iii. 03 Nos Wi-Fi hotspot dongle provided for internet access in control room & isolation coaches.
iv. 98" TV monitor has been provided at PF-1 New Delhi for displaying COVID-19 Special train information.
v. PA system provided at residence of Hon'ble MR for VIP function of Jan Samvad virtual rally and ANVT station for CRB conference with media persons regarding COVID- 19 isolation coaches of Indian Railways.
vi. NTES & COIS connectivity has been provided at NDLS, HNZM, ANVT, GZB, KUN, KKDE, DEE, GGN, DEC, ROK, FDB & DLI station.

➢ Provision of Thermal Scanning Cameras at Station:

09 Nos. Thermal Scanning cameras with P.C workstation have been provided at New Delhi -05, Delhi Main-02 and Anand Vihar Terminal-02 stations of Delhi Division to facilitate the capture of pictures of incoming passenger along with body temperature and in case body temperature is higher than normal, the system will raise an audible alarm. This has helped in monitoring of CORONA affected patients and fast entry of Shramik /Passenger in station & also ensure proper social distancing among rail users.

➢ Provision of Nodal Control Room:

In view of the outbreak of COVID-19, Nodal control Room for Indian Railway started by providing necessary facilities of Voice /Data i.e., Railway Phone No. 030-36064, MTNL Phone No. 011-23387896, Mobile -9717630506 and Railnet, internet connection at Baroda House, New Delhi.

➢ Provision of Audio Clip for Covid-19:

For awareness of Rail commutators Audio clip regarding precautions to be taken to spread Covid-19 has been incorporated in all stations announcement systems and are being played regularly.

➢ Provision of Video Conference:

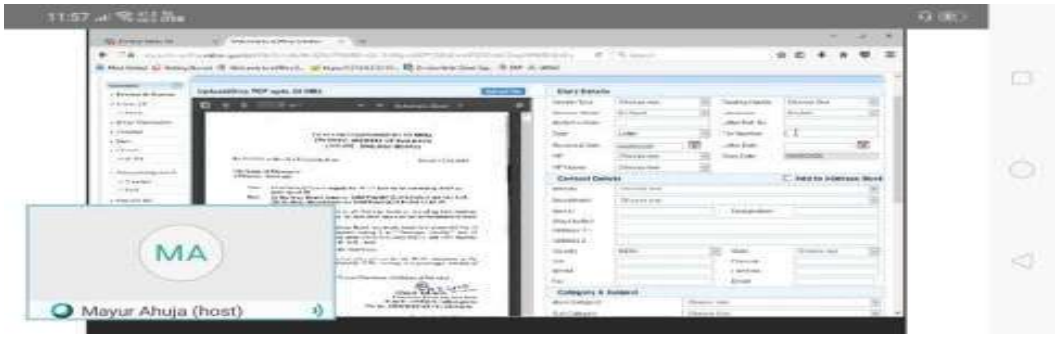
Arrangements for connection of CRB Video conference, GM Video conference with DRMs & PHODs and other local VC like DRM to Branch officers, PHODs to other zonal PHODs & Divisional officers from home through Web Ex, Zoom & Google hangout applications have been made. All Video conferences are operated properly on Railnet/internet from Residences.

Glimpses of Video Conferencing among various officers

In COVID situations, the extensive use of video conferencing is being made among officers and the facility is widely appreciated.

➢ E-Office Implementation:

E-Office implementation has been done in S&T HQ office, Baroda House, New Delhi, STTC/Ghaziabad, S&T workshop/Ghaziabad, Divisional office Firozpur, Ambala, Delhi, Moradabad and Lucknow. This has facilitated the staff to work from home.



➢ Provision of Digital Museum:

Digital Museum installed at National Rail Museum, Chanakyapuri, New Delhi, Delhi main, Kalka and Shimla Railway stations for display of History of Railway progress, Heritage sites of Indian Railways, Ek Bharat Shresth Bharat, Swadeshi Movement, Yoga, Plastic ban, Safety measures for COVID-19 and other VVIP contents.

➢ Communication Setup in Special Train:

Communication setup complete with two Satellite docking system, FCT-21 Nos., Dongle-10 Nos., Walkie Talkie sets -15 Nos., Cordless Phone-5 Nos, Call Bell-5 Nos has been provided in President Special Train for visit of Hon'ble President of India from DSJ to Allahabad and Lucknow to Ayodhya and back from Ayodhya on 25.06.2021 & 29-08-2021 respectively by Delhi Division.

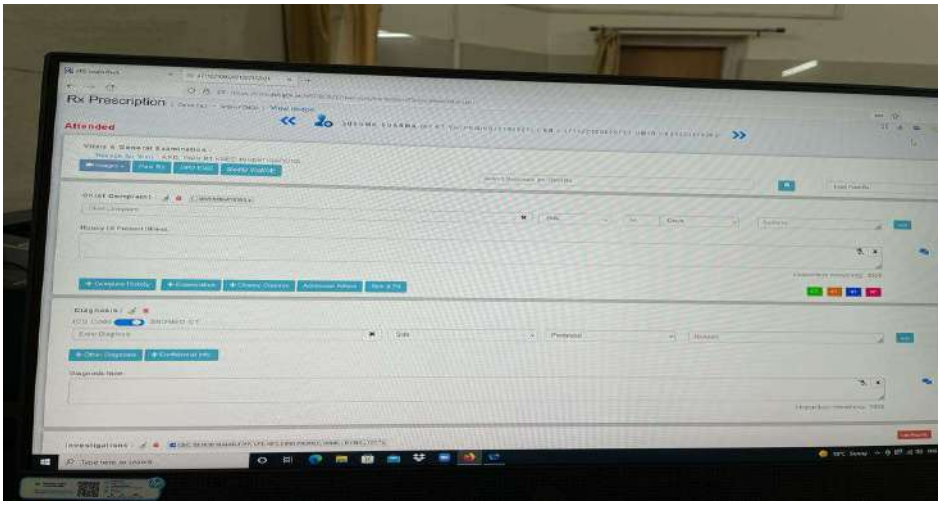
In addition to this FCT phones provided at 19 stations from Lucknow to Ayodhya to strengthen the communication. Audio/Video arrangement provided at Ayodhya Station.

➢ Hospital Management Information System (HMIS):

The HMIS is an integrated clinical information system with the basic objective of improved hospital administration and patient healthcare. This aims to ensure an improved experience for hospital administration and patients.

HMIS is another important step in the country's journey towards digital transformation which will have a positive impact on the lives of Railway men, pensioners and their families.

HMIS has been implemented at Northern Railway Central Hospital New Delhi, Divisional Hospital of all divisions and 25 health units of Delhi Division, 12 health units of Moradabad Division.



Northern Railway Central Hospital New Delhi

➢ Maintenance Work Load-ZISTUS:

Total S&T workload of a zone is expressed in terms of **Zonal integrated S&T units (ZISTU)** and it consists of following major items of the work:

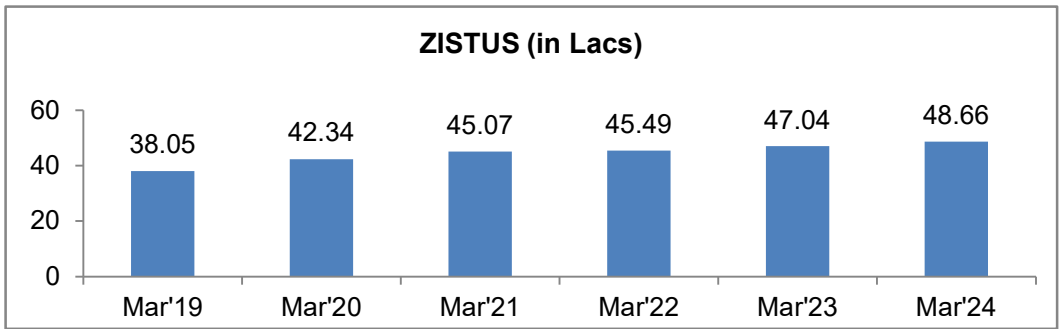
Zonal work load in ZISTUS D = A+B+C

A. This factor refers to equated workload for the maintenance of Signalling Equipment on the zone and is expressed in Zonal Equated Signal units (ZESUs).

B. This factor refers to equated workload for the maintenance of Telecommunication equipment on the zone and is expressed in terms of Zonal Equated Telecom units (ZETUs).

C. This factor refers to equated workload for the maintenance of Signal & Telecommunication workshops on the zone and is expressed in terms of Zonal Equated Workshop units.

With the changing profile of Signalling and Telecom assets, there has been significant increase in ZISTUs of Northern Railway over the past five years; ZISTUS of NR have risen to 48.66 lacs from 38.05 lacs in last 5 years i.e., a rise of 35.9 % in workload during last five years.



➢ Telecom equipments installed at WAR room, Railway Board:

All Audio and video equipments, Railnet connectivity with protection path, Railway/MTNL phones, CISCO V.C. system and uninterrupted power supply arrangement of Telecom equipments have been provided in WAR room of Railway Board by Northern Railway.

➢ Telecom equipments installed at MOSR-J room, Railway Board:

98” TV along with Railnet connectivity, PA system (including: Conference controller, delegate unit, speaker, wireless controller, chairman unit etc.), 2 KVA and 5 KVA UPS have been installed at MOSR-J office in Railway Board. Also, integration of CISCO Codec (VC) with PAE system has been done by Northern Railway.

➢ Upgradation of NGN Network: -

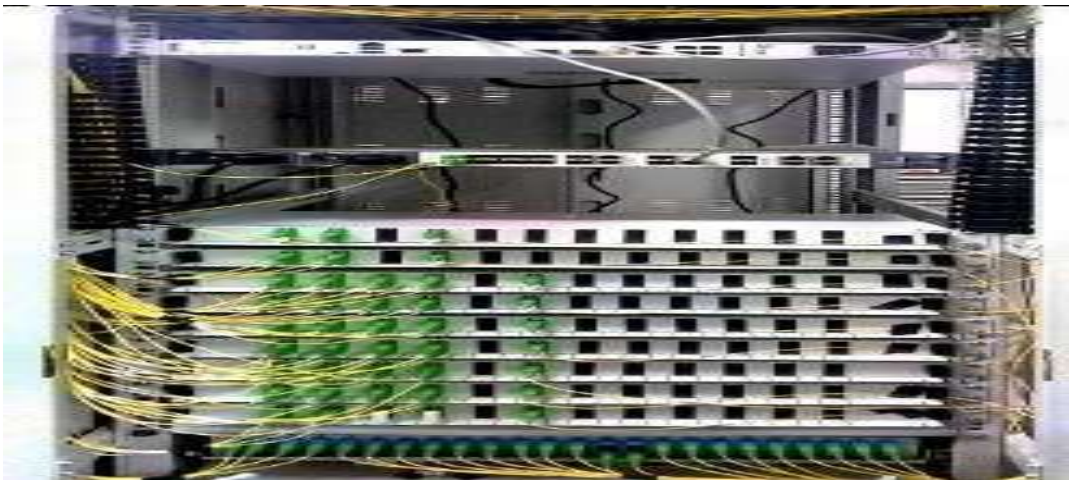
11 Nos. of NGN PRI links have been shifted to upgraded network of Railtel i.e. 06 Nos. (DRM-02 Nos. Baroda House-02 Nos. and Rly Board-02 Nos.) of Delhi Division, 03 nos. of Lucknow Division, 01 no. of Moradabad Division and 01 no. of Ambala division.

➢ Commissioning of SIP based Telephone Exchange: -

11 Nos. of IP based telephone exchange have been commissioned at DRM office New Delhi, Railway Board of Delhi Division and Chandausi, Hardoi, Moradabad, Laksar, Haridwar, Najibabad of Moradabad Division and Charbagh and Ayodhya, Ayodhya Cantt. of Lucknow Division.

➢ Provision of Fibre based GPON Technology: -

Fibre based GPON Technology (Fibre to The Home (FTTH)) has been provided in Homes/ Bungalows at S.P Marg Railway officer's colony for high-speed internet.



➢ Implementation of IPv6: -

IPv6 has been implemented at Rail Bhawan, Baroda House and 05 divisions.

➢ Surrendering of V-SAT (Very-Small Aperture Terminal) locations: -

A very-small-aperture terminal is a two-way satellite ground station with a dish antenna that is smaller than 3.8 meters. The majority of VSAT antennas range from 75 cm to 1.2 m. Bit rates, in most cases, range from 4 Kbit/s up to 16 Mbit/s.

50 Nos. of V-SAT have been surrendered viz:-

a. Lucknow Division-18nos (Gopalganj, Bhadri, Khagalpur/Atrampur, Ram Chaura Road, Barabanki, Kheta Sarai Jaunpur, Mihrawan, Shahganj, Ifco Phulpur, Gauriganj, Sonic, Mohanlal Ganj, Amausi, Vyas Nagar, Vyas Nagar 2, Tanda, Unchahar, Ayodhya).
b. Moradabad Division -09 nos (Kafurpur, Garhmuktesar, Bhanthara, Aonla, Bulandshahr, Harthala, Bijnor, Gumthal, Babrala).
c. Delhi Division – 3 nos (Gohana, Jind, Gurgaon).
d. Ambala Division -11 nos (Dhuri, Bhatinda Cantt, Nabha, Quila Raipur, Ahmadgarh, Rampuraphul, Doraha, Barnala/Shekha, Bhuchchu, Chawapail, Lehra Mohabbat)
e. Firozpur Division -9 nos (Kangra, Sulah, Banga, Khasa, Nawanshahr, Jalalabad, Sultanpur Lodhi, Kathua, TaranTaran).

➢ Dismantling of redundant 7GHz Antennas: -

164 Nos. of Antennas removed from 62 locations over Northern Railway viz: -

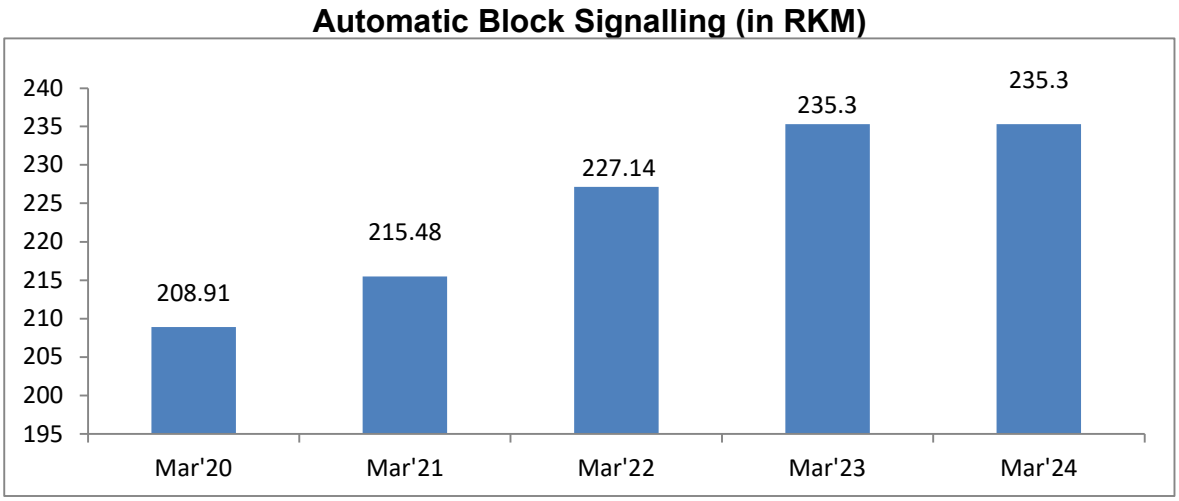
a. Delhi Division- 52 Nos. of Antennas removed from 23 locations.
b. Ambala Division-25 Nos. of Antennas removed from 08 locations.
c. Firozpur Division- 50 Nos. of Antennas removed from 17 locations.
d. Moradabad Division- 29 Nos. of Antennas removed from 09 locations.
e. Lucknow Division-08 Nos. of Antennas removed from 05 locations.

➢ Commissioning of Selective Calling along with Voice Logger at Non-Interlocked LC Gates

Provision of Selective calling along with Voice Logger was made at 1225 Non-Interlocked LC gates (DLI-134, FZR-379, LKO-278, MB-294 & UMB- 140) for enhancing safety, efficiency, and accountability in Railway operations.

➢ Automatic Block Signalling

Automatic Block Signalling have been provided in **235.3 RKMs** block section over Northern Railways to enhance Safety, faster and flexible train operations by reducing dependence on human interference.



➢ Block Proving Axle Counter (BPAC)

Block proving Axle Counters are provided in advance of up & down. Home signals and in advance of Last Stop Signals of the station to monitor the status of the Block Section. Block proving axle counters are used for clearance of Block pertaining to that Block Section. To avoid detentions to trains and ensure safe working of trains, Axle counters are used for complete arrival of trains and closing of Block Sections automatically.

BPAC has been provided over 710 block sections in Northern Railways.

➢ Colour Light Signals

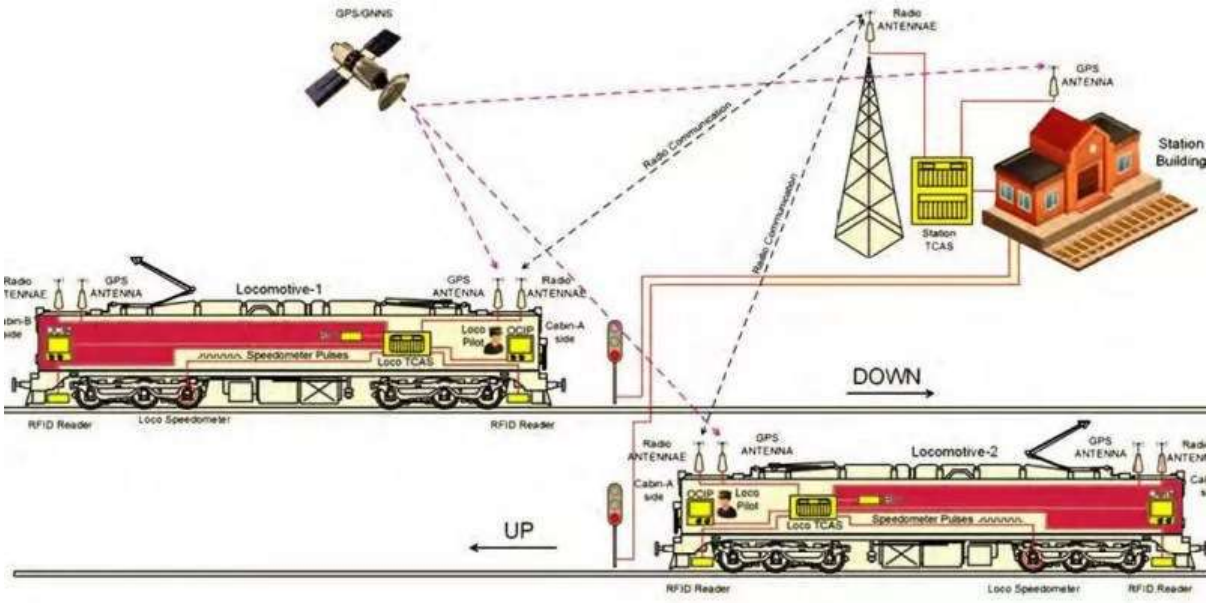
Colour Light Signals has been provided all over Northern Railway except Narrow Guage.

All Colour light signals is LED.

➢ Kavach

The KAVACH is an indigenously developed Automatic Train Protection (ATP) system by RDSO.

Kavach is a form of Train Collision Avoidance System (TCAS).Kavach work has been sanctioned over 1724 km in Northern Railways to avoid accident of trains and ensure safe working of trains.



➢ Centralized Traffic Control system(CTC)

Centralized Traffic Control system caters for centralized control & supervision of train operation.

CTC work has been sanctioned over 630 RKMs in Northern Railways.

भंडार
STORE

General Manager's Annual Narrative Report 2023-24

महाप्रबंधक की वार्षिक वर्णनात्मक रिपोर्ट 2023-24

Chapter XI

11.1 About the Department

11.1.1 Head Quarter Office

For carrying out Materials Management functions and scrap disposal, HQ Office of Stores Deptt. is located at Baroda House, New Delhi. It is headed by Principal Chief Materials Manager who is assisted by various Chief Materials Managers, Dy. Chief Materials Managers, Senior Materials Managers and Asstt. Materials Managers.

11.1.2 Stores Depots

For receipt, inspection, stocking and distribution of materials, there are 24 Stores Depots on this Railway. The depots at ASR, JUDW, SSB, AMV/LKO and CB are headed by Dy. Chief Materials Managers and others by SMMs/AMMs. Except General Stores Depot Shakurbasti, depots are either located adjacent to Railway Workshops or are attached to Diesel/ Electric Loco/ EMU Car Sheds.

11.1.3 Divisional units

A Stores Officer of the rank of JA/SG Grade is posted in each Division. Main functions of Sr. Divisional Material Managers are efficient distribution of stores including Stationery and Forms, purchase of materials to meet demands of Divisional Consignee, co-ordination with main depots and divisional indentors, disposal of scrap through auction.

11.1.4 Printing Press

A General Printing Press is located at Shakurbasti which is responsible for supply of stationery and forms, money value items as well as PRS /UTS tickets to entire Northern Railway. Recently it has been entrusted to supply money value items (including PRS/UTS tickets) to NER, NCR & NWR.

11.2 STORES TRANSACTIONS

11.2.1 Details of stores balances (with fuel) for normal maintenance and operation as well as works

(Fig. in Crores of Rs.)

		Normal Maintenance & Operation		Works		Total	
		2022-23	2023-24	2022-23	2023-24	2022-23	2023-24
1.	**Opening balance at the beginning of year:-**						
a)	Physical balance without adjustment	229	425	3	3	232	428

b)	Adjustment 7100	231	23	0	0	231	23
c)	Total balance as per appropriation account under 7160	159	358	3	3	162	361
d)	Book keeping adjustment relating to 7171-7190	-70	-67	0	0	-70	-67
e)	Total balance under 7100	390	381	3	3	393	384
2)	**Receipts during the year**	**4101**	**3686**	**0**	**0**	**4101**	**3686**
3)	**Issue during the year**	**3905**	**3570**	**0**	**0**	**3905**	**3570**
4)	**Closing balance at the end of the year**						
a)	Physical balance without adjustment	425	541	3	3	428	544
b)	Adjustment 7100	23	1	0	0	23	1
c)	Total balance as per appropriation account under 7160	358	486	3	3	361	489
d)	Book keeping adjustment relating to 7171 –7190	-67	-55	0	0	-67	-55
	TOTAL BALANCE UNDER 7100	**381**	**487**	**3**	**3**	**384**	**490**

11.2.2 Breakup of Stores Balances.

(Fig. in Crores of Rs)

Opening balance at the beginning of year 2023-2024					**Transaction of the physical stock during year 2023-24**		**Closing balance at the end of year March' 2023-24**				
Physical Balance w/o Adjustment	**Adjust-ment 7170-7150**	**Total balance as per appropriation a/c**	**Balance Under 7110-7150**	**Total 7100**	**Receipts**	**Issue**	**Physical Balance w/o adjustment 7160**	**Adjustment 7100**	**Balance Under 7110-7150**	**Total balance as per appr. a/c**	**Total balance under 7100**
428	**-67**	**361**	**-67**	**384**	**3686**	**3570**	**544**	**1**	**-55**	**489**	**490**

11.3 INVENTORY CONTROL:

Following steps are taken to control inventories:-

i. All the items stocked in depots are divided in 'A', 'B' and 'C' categories based on value of annual-usage. Items which contribute 70% of the annual usage value are categorized as 'A', 20% of the annual usage value are categorized as 'B' & balance as 'C' category items.

ii. Intensive review is carried out for 'A' and 'B' category items to restrict the consumption and procurement to have minimum inventory level. Phased delivery is also arranged to keep the inventory at minimum level.

iii. Demands for Non-stock items are consolidated by HODs of consuming departments and annual procurements are arranged once a year for Non-stock items.

iv. Surplus, over stock and inactive items are reviewed regularly. Their disposal on Railway is arranged by issuing to depots, other Zonal Railways or by scrapping them due to spares becoming obsolete.

11.4 Modules implemented

11.4.1 E-Procurement implementation:

As a part of overall reforms process, Indian Railways decided to adopt and implement E-Procurement system for deriving mutual benefits to the Railways as well as the participating Industry. The EGP (E-Governance Project) application has been integrated with latest digital security features to demonstrate and ensure highest level of security, confidentiality and trust between the buyer and the seller. The system has been developed by CRIS and is fully operational.

During 2023-24 total 23264 numbers of e-tenders were uploaded on Northern Railway E-Procurement System (IREPS) and 24091 numbers of P.O's were placed .

11.4.2 Implementation of E-Auction.

In a major IT initiative, Stores department of Northern Railway launched on 06.03.2012 the e-auction module developed by CRIS for sale of scrap material through Electronic Auction. Shakurbasti Stores depot of N.Rly was assigned to conduct e-Auction of scrap material through the website *www.ireps.gov.in,* developed by Centre for Railway Information Systems (CRIS). The system allows bidding in a transparent and fair manner through internet. Presently electronic payments have been facilitated through State Bank of India. The application has been integrated with SBI in a unique manner allowing bidders to leverage the funds available in their account by lien management system for online participation. During financial year 2023-24, 2963 lots worth Rs.45137 lacs has been auctioned using e-auction module.

11.4.3 Modules conceptualized and under implementation

a) Integrated Materials Management System (iMMS)

This is a common platform developed by CRIS for the users of iMMS across IR. E-procurement system has been made operational in all Depots and Divisions of NR. Depot/Division Purchase of MMS stands implemented on 29 units of NR. Contract Tracking Module of iMMS is working and NR has settled 22088 numbers of Direct Acceptance cases and 758 Tender Committee cases through this module during financial year 2023-24 (01-04-2023 to 31.03.2024). Purchase module was released by CRIS for implementation on 17.08.2016. Indenter module has also been implemented in Northern Railway. iMMS has also been implemented in all Divisional Hospitals and all health unit of NR.

b) Vendor Interface Management System (VIMS):

This Projected was sanctioned by Railway Board and it has been implemented by CRIS. The functionalities like Online Bill submission by Vendors, Online facility for submission of TDC/EMD, Online submission of modification request by Vendors, online real-time delivery of Digitally signed Contracts, LOAs, R/Notes, Receipted Challans to vendors and other stake holders, Online tracking of bills for payment, Online web queries, Mobile application vendor interface, Online submission of negotiated offers, online counter offer replies by vendors, integration with RITES Inspection Portal to facilitate information sharing among Railway User, Vendors & RITES etc. have already been implemented. Activities of integration of RDSO Inspection Certificate & Despatch Memo (DM) with IREPS/iMMS has also been completed.

A new module for Trade Group-wise registration of vendors has been developed as per Railway Board's instructions and same has been deployed on production for test users. After completion of testing for test users, same will be opened for all Railways users.

Functionality for updating vendor's profile details and related documents by registered vendors deployed on production server for test vendors only. The same functionality is being tested and subsequently it will be opened on production server to all vendors.

c) Enterprise resource planning (ERP) based integrated MMIS for Indian Railway:

This project was also implemented by CRIS. Towards preparation of ERP implementation for IR, all the Zonal Railway's individual MMIS have been switched over to iMMS application (developed by CRIS). HQ Purchase Module & Depot Module has also been rolled out in NR as well as all Zonal Railways of IR.

iMMS rolled-out in Zonal Railways in phases i.e two Railways in (NR & ER) and thereafter remaining Zonal Railways in March'2017. Subsequently, all PUs on boarded in Sept'2019.

11.5 Other Statistics

A. Value of Railway equipment and stores ordered for the year 2023-24.

(Fig. in Crores Rs`)

Through Ministry of Supply	Through Railway Board	Direct purchase made by Railway	Total
-	1093.94	4171.42	5265.36

B. Purchases made for the year 2023-24.

(Fig. in crores Rs)

Value of store direct purchased imported	Value of imported stores purchased in India	Value of stores purchased from public sector under takings	Khadi purchases	Value of stores purchased from cottage and small scale industries	Value of stores purchased manufactured in India from other industries	Total
0	40.19	1373.01	0	1821.13	2031.03	5265.36

C. No. of orders placed during the year 2023-24.

Requisitions placed on other Railways		No. of Purchase Orders issued		No. of cases where 100% payment made against Proforma Invoice.		Total No. of indents on DGS&D and Central Purchase Agencies	
No.	Item	No.	Item	No.	Item	No.	Item
1314	1314	24177	6614	-	-	-	-

D. Statement of Foreign Exchange released and utilized during the year 2023-24.

Total amount of foreign exchange released by Railway Board and FA & CAO/GM of Northern Railway during the year 2023-24.

(Fig. in Crores `)

Foreign Exchange released by Rly Bd.				Foreign Exchange released by FA&CAO/GM of N.Rly.			
For ALCO DSL spares	For Elect. spares	For other items	Total	For ALCO DSL spares	For Elect. spares	For other items	Grand Total
-	-	-	-	-	-	-	24.45

11.6 Supply Position of Steel Items

(Fig. in MTs)

S.No.	Items	Qty. indented during 2023-24 (including back log of last year)		Stock as on 1.4.23	Receipt during the year	Issues during the year	Stock as on 31.3.24
		Plant	Stockyard				
1.	Pig Iron	373.746	NIL	9.105	352.978	220	142.083
2.	Bars, Rounds and Structures	1286.521	NIL	1582.252	1666.138	1693.947	1554.443
3.	Plates	2338.796	979	245.61	4152.860	3442.799	955.671
4.	Sheets	1523.440	100	697.202	2175.812	2791.632	81.382

11.7 Supply of Uniforms during 2023-24.

	Summer	Winter	
No. of Garments demanded	-	-	
No. of Garments supplied	-	-	

11.8 Stores Depots

A. Availability of items.

(as on 31.03.24)

Depot Complex	Purchase Items			Shop Manufactured Items		
	Total No. of items stocked	No. of items available	Percentage availability	Total No. of items stocked	No. of items available	Percentage Availability
AMV/LKO	4045	3995	98.76%	NIL	NIL	NIL
JUDW Depot	3067	3058	99.71%	37	37	100%

Ptg.Press/SSB	871	868	99.65%	NIL	NIL	NIL
SSB Depot	5733	5495	99.09	NIL	NIL	NIL
ASR Depot.	3132	3117	99.14	0	0	0

B. Total Transactions for the year 2023-24.(Receipts & Issues).

Depot/Complex	No. of Total transactions		No. of average transaction per month		No. of Class III staff involved in recording transactions	Average No. of transactions per month/ person
	Receipt	Issues	Receipt	Issues		
AMV /LKO	11818	36918	984.833	3076.50	88	46.15
JUDW Depot.	14444	45071	1204	3756	52	95.37
Ptg.Press/SSB	294	7308	24	608	10	632
SSB Depot.	11639	33275	968.84	2796.11	67	849.08
ASR Depot.	3690	12212	314	1023	23	365

C. Unit Cost of Receipt for year 2023-24.

Depot/Complex	Expenditure on staff engaged in receipt and inspection work (Rs. in lakhs)	No. of staff for clerical and supervision work	Approximate value of stores received (Rs. in lakhs)	Cost of receipt, inspection for every Rs.100/- worth of stores	Receipt notes granted per clerk per month
AMV/LKO	286.37	19	43783.00	0.65	51.83
JUDW Depot.	1.78	19	792.83	0.22	576.71
Ptg. Press/ SSB	24	02	1588	2.01	24
SSB Depot	240.93	22	34801	11.79	825.82
ASR Depot.	132.99	11	8079	15	197

D. Unit Cost of issues for year 23-24.

Depot/Complex	Expenditure on staff engaged in issue and Inspection work(Rs. in lakhs)	No. of staff for clerical and supervision work	Appr. Value of Stores issued (Rs. in lakhs)	Cost of issues for every Rs.100/- worth of stores.	Issue notes granted per clerk per month
AMV/AMV-LKO	1074.95	78	41701.00	2.58	39.44
JUDW Depot	3.08	37	726.92	0.42	101.51
Ptg.Press/SSB	125	10	1462	9.96	143
SSB Depot	395.9	36	25729.51	2109.78	1217.1
ASR Depot.	243	21	8731	24.16	300

E. Inactive, Overstock and Surplus Stores.

(Value in Crores of Rs)

Position as on	Inactive		Surplus		Overstock	
	No. of Items	Value	No. of Items	Value	No. of Items	Value
31.03.19	1070	227.71	786	213.67	3540	2669.22
31.03.20	1054	310	38	684	126.92	3420
31.03.21	1976	430.136	933	443.913	2281	787.775
31.03.22	967	169.713	351	43.2681	2168	350.569
31.03.23	2001	415.84	676	451.495	3086	738.217
31.03.24	1305	12.154	910	6.944	3828	50.79

F. Details of Accounts & Departmental Stock Verification 2023-24.

Depot/ Complex	Percentage of items verified with no discrepancy	No. of items verified with discrepancy	Break-up of No. of Items with discrepancy	
			Up to limit of Rs.1000/-	Above the limit of Rs.1000/-
AMV/LKO	NIL	NIL	NIL	NIL

JUDW Depot	100%	NIL	NIL	NIL
Ptg.Press/SSB	100%	NIL	NIL	NIL
SSB Depot	100%	39	04	35
ASR Depot	100%	NIL	NIL	NIL

G. Loss and Gain revealed in Departmental & Accounts verification for 2023-24.

Depot/Complex	Loss (Rs.)	Gain (Rs.)	Net Gain (Rs.)	Net Loss (Rs)
AMV/LKO	NIL	NIL	NIL	NIL
JUDW Depot	NIL	NIL	NIL	NIL
Ptg.Press/SSB	NIL	NIL	NIL	NIL
SSB Depot	NIL	NIL	NIL	NIL
ASR Depot	NIL	NIL	NIL	NIL
Total	NIL	NIL	NIL	NIL

H. Losses due to theft, misappropriation and fire etc.

Year	Loss due to theft and mis-appropriation etc.		Loss due to fire	
	No. of cases	Value (in Rs.)	No. of cases	Value Involved in Rs
2019-20	NIL	NIL	NIL	NIL
2020-21	NIL	NIL	NIL	NIL
2021-22	NIL	NIL	NIL	NIL
2022-23	NIL	NIL	NIL	NIL
2023-24	NIL	NIL	NIL	NIL

11.9 Disposal of Scrap

(Value in Crores `)

Year	Target	Achieved
2020-21	420	445.72
2021-22	370	624.36

2022-23	460	675.35
2023-24	500	608.48

A. Arising and Disposal of Scrap in 2023-24.

Description	Opening balance as on 01.04.23	Arising	Total (2+3)	Disposal	Closing Balance as on 31.03.24	Value of disposal (in Cr.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Ferrous: (MT)	37	32557	32594	32517	39	12055
a) Rail	0	56619	56619	46226	0	18117
b) Others P.Way + forfeited	0	7401	7401	6837	0	2561
c) Other Ferrous	31	6084	6115	6080	35	4281
(2) Non Ferrous	0	1737	1737	1736	1	4432
(3) Rolling Stock						
a) Wagon (FWUs)	0	294	294	288	0	1148
b) Coaches	0	130	130	104	0	719
c) Loco	0	5	5	4	0	37
d) Others Misc	0	3737	3737	3100	0	356
RWF	0	12488	12488	12488	0	4414
Others	0	23280	23280	23280	0	10025
PSC Sleepers	0	159011	159011	135240	0	636
Abandoned Structures	0	62	62	46	0	778

B. Details of Ferrous, Non-Ferrous and Misc. Scrap for 2023-24.

(Value in Crores Rs`)

Category	Balance as on 01.04.23	Receipt during the year 2023-24	Disposal for Rly use		Disposal /Sold to others	Closing Balance 31.3.24
	Qty. in MT	Qty. in MT	Qty. in MT		Qty. in MT	Qty. in MT
P.Way	0	7401	-	-	6837	0
Rail	0	56619			41226	0
Other than P.Way						
Ferrous Scrap	68	42378	-	-	41697	74
Non-Ferrous	0	1737	-	-	1736	1

C. Disposal of condemned Rolling Stock for 2023-24

Figures in FWU(Four Wheeler Unit) (Value in Corers of Rs.)

Category	Balance as on 01.04.23	Receipt during 2023-24	Disposal for Railway use		Disposal during the year	Closing as on 31.3.24
			Qty	Value	Qty.	
Coach	0	130	-	-	104	0
Wagon	0	294	-	-	288	0
Locos	0	5	-	-	4	0
Others	0	23280	-	-	23280	0

11.10 Performance of Printing Press

A. Production of Presses: The production of various items printed and manufactured in Railway Presses is as under:-

(Fig. in Lac)

S.N	Work Done for	General Printing Press/Shakurbasti				Card tickets Dispatched by T&P Press LKO
		Impressions in DFCs	Forms	M.V. Books	Total (3 +4)	
	1	2	3	4	5	6
1	Northern Railway 2021-22	0.1480	0.28	0.38	0.66	0

2	Other Railway 2021-22	0.1348	0.60	0	0.60	0
3	Northern Railway 2022-23	0.5725	18.00	1.20	19.20	0
4	Other Railway 2022-23	0.0075	0.25	0	0.25	0
5	Northern Railway 2023-24	0.2639	13.53	0.48	14.01	0
6	Other Railway 2023-24	0.0000	0.02	0	0.02	0

B. Production statement showing value of the work done by Rly. Press.

(Fig. in thousands `)

S.N	Work done for	General Printing Press/Shakurbasti				Card Tickets Despatched by T&P Press LKO
		General Printing A	Forms B	M.V Books C	Total (A+B+C)	
	1	2	3	4	5	6
1	Northern Railway 2021-22	2531	24	487	3042	0
2	Other Railway 2021-22	2306	51	0	2357	0
3	Northern Railway 2022-23	22110	3476	3476	29062	0
4	Other Railway 2022-23	290	48	0	338	0
5	Northern Railway 2023-24	385	9863	5250	15498	0
6	Other Railway 2023-24	0	15	0	15	0

Work done for others shown above is the work done for Foreign Railways, Railway Recruitment Boards.

C. Paper Consumption during the year.

(Fig. in M.T.)

Year	For General Printing of Books and Forms	Sty. Demands of Stations and offices	Demands of other Railway	Total M/Ts
2019-20	314	NIL	NIL	314.00
2020-21	33.035	NIL	NIL	33.035
2021-22	10.608	NIL	NIL	10.608
2022-23	60.00	NIL	NIL	60.00
2023-24	NIL	NIL	NIL	NIL

11.11 Yearly Performance of Stores Department

S.No.	Item	2021-22	2022-23	2023-24
1	Scrap Disposal (crores Rs)	624.36	675.35	608.48
	Inventory Management			
2.	Closing Balance (crores Rs)	230.42	380.22	342.52
3.	Total issues during the year (crores Rs)	919.00	1169.45	1553.81
4.	Inventory Turnover Ratio (Closing balance as % age of total issues during the year)	W/o 25.44% With Fuel 7.17 %	W/o 22.19%	W/o 22.04
5.	Compliance % age of Purchasable items. a) Workshop b) Imprest stores c) Non-imprest stores	 84.95 89.25 88.09	 95.24 96.67 93.72	 96.92 96.76 98.17
6.	Compliance % age of Shop Manufactured items a) Workshop b) Imprest Stores c) Non-imprest stores	 96.64 84.89 88.09	 98.07 95.77 93.72	 98.49 98.33 98.37

7.	Purchase items out of stock	15.05%	4.76	3.08
8.	Manufactured items out of stock	3.36%	1.93	1.51
9.	Inactive items	16.88%	13.56%	9.53%
10.	Efficiency of clearance of printed card tickets demand (avg. days of outstanding load in a month)	---- ----	---- ----	---- ----
11.	Supply of fabricated uniforms a) Winter b) Summer	 ---- ----	 ---- ----	 ---- ----

संरक्षा
SAFETY

General Manager's Annual Narrative Report 2023-24

महाप्रबंधक की वार्षिक वर्णनात्मक रिपोर्ट 2023-24

CHAPTER – XII

12.1 About the Department

The Safety organization at Headquarters is headed by Pr. Chief Safety Officer who is assisted by Dy. CSO/S&T, Dy. CSO/Mech., Dy. CSO/Elect and Dy. CSO/Engg. In addition, two Traffic Inspectors/Safety, CLI/Mech., SSE/C&W, SSE/Signal, JE/Sig, SSE/Engg. and CLI /Elect are working in the Safety Department at Headquarters Office.

After bifurcation of Safety Organization between Safety and Operating branch, the work of traffic safety rests with the latter. While the issues pertaining to Safety are being dealt with by the respective departments, the Safety branch is required to conduct inspections of the activity centers of all departments and point out shortcomings and deficiencies as noticed during inspections for remedial action by the concerned departments, Pr.CSO coordinates with Commissioner of Railway Safety and reports to the General Manager.

Sr. Divisional Safety Officers, J.A. Grade officers are available in each Division. The team of Safety counselors drawn from Traffic, Loco, C&W, Engineering and Signal & Telecom departments are deployed with the Sr. DSOs to strengthen the Safety Organization at the Divisional level.

12.2 Highlights of the year

12.2.1 Accident

Accident - Overall position during the year 2023-2024:

In all, **02 Nos. of Consequential train accidents** have taken place. The Statement showing category-wise train accidents which occurred during **last 15 years is placed at Annexure 'A'**

The position in respect of category-wise ***train accidents during last 5 years is as under –***

SN	Category of Accidents	2019-20	2020-21	2021-22	2022-23	2023-24
Consequential Train Accidents						
1	**Collision**	0	0	0	1	0
2	**Derailment –**					
i)	At Station	5	1	1	4	1
ii)	Mid-Section	1	0	0	1	1
	Total	**6**	**1**	**1**	**5**	**2**
3	**Level Crossing –**					
i)	Manned Level Crossing	0	0	0	0	0
ii)	Unmanned LC	0	0	0	0	0
	Total	0	0	0	0	0

4	**Fire in train**	3	2	2	0	0
5	**Miscellaneous**	0	0	0	0	0
	Grand Total	***9***	***3***	***3***	***6***	***2***
Indicative Accidents						
1	**Averted collisions**	0	0	0	0	0
2	**Breach of Block rules**	0	0	0	0	0
3	**Signal Passing at Danger**	0	0	0	0	2
	TOTAL	0	0	0	0	***2***

Annexure 'A'

Statement showing Consequential Train Accidents (Type-wise) during the last 15 years

S N	Category	09-10	10-11	11-12	12-13	13-14	14-15	15-16
1	Collision	1	1	0	0	0	0	1
2	Derailment	8	12	7	5	8	8	9
3	Level Crossing	16	9	14	15	7	11	10
4	Fire in train	0	0	0	0	1	1	0
5	Misc	0	1	1	0	0	0	0
6	**Total**	**25**	**23**	**22**	**20**	**16**	**20**	**20**
Indicative Accidents								
7	Averted Collision	0	0	0	0	0	0	0
8	Breach of Block rules	0	0	0	0	0	0	0
9	Signal Passing at danger	0	0	0	0	0	0	0
10	**Total**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
11	***Grand Total***	**25**	**23**	**22**	**20**	**16**	**20**	**20**

S N	Years	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1	Collision	0	0	0	0	0	0	1	0
2	Derailment	10	10	10	6	1	3	5	2
3	Level Crossing	4	5	0	0	0	1	0	0
4	Fire in train	0	1	0	3	2	1	0	0
5	Misc.	0	0	0	0	0	0	0	0
6	***Total***	**14**	**16**	**10**	**9**	**3**	**5**	**6**	**2**
Indicative Accidents									
7	Averted Collision	0	0	0	0	0	0	0	0

8	Breach of Block rules	0	0	0	0	0	0	0	0
9	Signal Passing at danger	0	0	0	0	0	0	0	2
10	***Total***	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**
11	***Grand Total***	**14**	**16**	**10**	**9**	**3**	**5**	**6**	**4**

12.2.2 Yearly Performance of Safety Department

S N	Items	2019-20	2020-21	2021-22	2022-23	2023-24
1	Trend of Accidents	9	3	5	6	2
2	Accident per million train kms	0.04	0.06	0.05	0.05	0.02
3	**Collision**	0	0	0	1	0
4	**Derailments –**					
i)	At Station	5	1	2	4	1
ii)	Mid-Section	1	0	1	1	1
5	**Level Crossing –**					
i)	Manned LC	0	0	1	0	0
ii)	Un-Manned LC	0	0	0	0	0
6	Fire in Train	3	2	1	0	0
7	Miscellaneous	0	0	0	0	0

	Casualty ➡	**K G M**	**K G M**	**K G M**	**K G M**	**K G M**
1	Railway Staff	Nil	Nil	Nil	Nil	Nil
2	Passenger	Nil	Nil	Nil	Nil	Nil
3	Other	Nil	Nil	5 1 0	0 1 3	Nil

Main Causes:

1	Mechanical	2	0	0	0	0
2	Engineering	1	1	1	2	0
3	Electrical	0	0	1	0	0
4	Traffic	0	0	0	1	0
5	Signal & Telecome	1	0	0	0	0
6	Combination of staff	2	0	1	2	1
7	FORS	2	2	1	0	0
8	Incidental	0	0	1	1	0
9	Other causes	1	0	0	0	1
10	Safety Drives launched	109	28	28	14	20
11	Total staff refreshed	12531	13584	14015	15572	15868
12	Total Safety Inspections conducted	9597	4941	6005	6379	5393

Legend: K – Killed G – Grievous Injury M – Minor Injury

12.3 Event Organized during the year

12.3.1 Safety Camps

Staff of Safety categories attends Safety Camps, which is a continuous process.

12.3.2 Refresher Courses

The following staffs have been given refresher courses training during the year 2023-24:

S N	Category of staff	Number
1	SM/ASM	841
2	Guard	595
3	Driver	7453
4	Switchman / Cabinman / Leverman	41
5	Pointsman	911

12.3.3 Safety Literature

During the year under review 38061 Nos. of Safety Posters / Pamphlets were issued by the Safety Organization of Northern Railway, Headquarters Office and by the Divisions.

12.3.4 Audio Visual Activities

S N	Activities	Number
1	Safety Seminars (Attended by different categories of staff)	246
2	Safety Meetings (Attended by different categories of staff)	4976
3	Nukkad Natak	74
4	Shunting Mela	67

A large number of news items on the Hazards of Level Crossing accidents and travelling on the roof of the trains were given in the following News Papers to warn the road users/passengers to desist from the same -

Hindi: Dainik Jagran, Aaj, Dahej Daman, Punjab Kesri, Nav Bharat Times, Swatantra Bharat, Amar Ujala, Rajhastan Patrika, Nav Jiwan, Amrit Perbhat.

English: The Tribune, Times of India, National Herald, Workers Herald

Punjabi: Patriot Jagbani, Ajit and The Tribune

12.3.5 Safety Checks

The following Safety checks had been made by Officers /Inspectors during 2023-24:

S No	Checks	Numbers
1	Ambush Checks	190
2	Level Crossing Inspections	1256
3	Inspections by Safety Officers/Supervisors	5397
4	Inspections by other department officers	30904
5	Road users Counseled	510
6	Staff Counseled	36278

12.4 Measures were taken to Improve Safety

12.4.1 For Reducing Collision and Derailments -

1. Every case of accident occurring on this Railway as well as on other Zonal Railways is thoroughly analyzed to arrive at its cause and based upon the conclusion -
   - Suitable safety drives are being launched.
   - Necessary Safety Circulars are issued immediately after accidents for educating the staff concerned.
2. Monitoring, regular counseling, personalized on job counseling of train passing staff, through regular inspections by Officers and inspectors are being done.
3. Regular counseling and monitoring of drivers by nominated Loco inspectors.
4. Ambush checks in lobbies to ensure Breathalyzer test of LPs/ALPs during ‘Signing ON’/ ‘Signing OFF’.
5. Super checks of maintenance of Rakes and Brake power testing.
6. Surprise Night inspection for checking alertness of train passing staff and to avoid short cut methods during Failure of signals and interlocking gears.
7. Personal counseling of ASMs/SMs/Section Controllers by Officers and Supervisors regarding special Precautions to be taken while using VHF set for obtaining line clear.
8. Close monitoring of train crews and train passing staff during foggy weather.
9. Implementation of Ten Hours duty for running staff.
10. Categorization of train passing and running staff.

11. Intensive training at initial stage and during refresher courses.
12. Surprise checks to check the following:
    - Brake power test & check on observance of rules for reception/dispatch of trains.
    - Observance of rules for double locking of relay rooms /cabin basements.

12.4.2 For Reducing accidents at Level Crossings -

1. Publicity through various media and cinema slides etc. is being given to educate the road users for precautions to be taken while passing over a level crossing gate.
2. Teams of Safety counselors and Officers are being deputed to conduct surprise incognito checks by travelling in 2nd or 3rd coach next to engine to check drivers whistling on W/L board while approaching the level crossing gate.
3. Inspections especially Night inspection have been intensified to check alertness of gateman.
4. Safety drives are being launched to check the condition of roads, provision of W/L board, speed breakers, Warning boards etc. at Level Crossing Gates.
5. Drives have also been undertaken along with state Governments for educating the public in use of Level Crossing Gates.
6. Proposal of RUB and ROB is also under process in the vulnerable areas.
7. Ambush checks by RPF officials to challan erring road users.
8. Close interaction with State Govt. for coordination in enforcement of Laws at LCs.
9. Interlocking of Manned Level Crossing Gates.

12.4.3 For Reducing Fire in Trains -

1. Fire extinguishers are available in the AC Coaches, Locomotives and with Guards.
2. Training in firefighting to all concerning staff of Commercial, Mechanical and Operating.
3. Safety Drives are being launched from time to time to check unauthorized carriage of explosives/ inflammable articles etc. by passengers on trains.
4. Informing public through different Media regarding dangers of carrying inflammable articles and requesting them not to do so.
5. A multi-tier protection is provided for all coaches by ensuring HRC fuses/MCBs of suitable ratings.
6. On all AC coaches, over-heat protection has been provided to ensure cut-off of heater at specified temperature if the blower does not function.
7. Fuse Distribution Board (FDB) covers have been modified on all non-AC coaches as per RDSO instructions to prevent tampering by miscreants.

8. Fire Suppression System in Power Cars and Pantry Cars are being provided.
9. VESDA are being provided in AC Coaches.

12.5 Special initiatives taken

12.5.1 Preventive approach to Safety:

SMS based daily monitoring system introduced – In this system unusual incidents reported by the LPs on the regular basis are monitored and SMSs are sent to GM by DRMs. The follow-up action is pursued and is informed to the LPs. During this year 1920 unusual have been reported. This system is proving very useful.

Data Loggers – Extensive use of Data Loggers is being done for both safety and maintenance related activities. The following exception reports are generated in the division-

- Signal incidences regarding unusual track, point and signal power supply occurrences.
- Signal Passing at Danger
- Wrong operation of buttons, Block instruments, KTs or Crank handles
- Engineering occurrences like loose packing of points, friction in point, movement etc.
- Over speeding of train in the station area.
- Status of the point after receiving the train.

Case studies in the safety training centers and in the divisions and the sheds.

12.5.2 Staff motivation:

Monthly safety awards at the General Manager level – Safety Awards are distributed by the General Manager in a special program organized in the HQs office. The Railway men are awarded with Merit Certificate, Medal and Cash who contribute towards Safety by their timely action. During 2023-24, the Safety Award has been awarded to 57 Nos. of Railway Men.

Similar action by the divisions – Similar Safety Award is given at Divisional level also.

Wide publicity – It has been spread in the field of Safety through various Media etc. during the year 2023-24

SMS	Posters / Pamphlets
3 Crore	38061

12.5.3 Thrust on audits/ inspections:

All bi-monthly Intra Railway Safety Audits have been adhered to during the year 2023 (Calendar) as per prescribed frequency –

Quota	Done
6	6

12.5.4 Alertness of staff and readiness for managing accidents:

Mock drills have been carried out in each Division as per prescribed frequency.

12.5.5 Staff Trainings:

	PME	Refresher course	Safety Camps
Training Done	9683	15868	8840

Safety Counseling & Activities

Counseling of road users and on duty Gateman.

Counseling of road users and on duty Gateman in LKO-RBL Section bet. MLJ-KKAH at LC no. 196-C/2T in East Yard/MLJ.

Counseling & distribution of Pamphlets for awareness of road users Safety at Level Crossing LC 179/Spl. between RMNR-CDRL.

Counseling & distribution of Pamphlets for awareness of road users Safety at Level Crossing during ILCAD at LC 188/C between APG – BKKS.

सांख्यिकी

STATISTICAL

General Manager's Annual Narrative Report 2023-24

महाप्रबंधक की वार्षिक वर्णनात्मक रिपोर्ट 2023-24

CHAPTER – XIII

13.1 About the Department

- The importance of Statistics in modern civilized life is great. Statistics are means to and should therefore be presented in a form, which could be understood by technical and non-technical officers who may have to formulate policies on it. Statistics facilitate the study of economic trend on the railway and enable the railways to make the most appropriate use of their assets.
- No social or economic policy can be solved without help of statistical data compiled in a systematic manner. Statistics are the eyes of the administration. No administration can give advice unless it had adequate statistical data before him.
- In these days personal relationship between the employer and the employee, supervision is possible only by the medium of statistical data presented before the management.
- Statistics enlarges individual expenditure, without proper statistics most of our ideas are very vague. It is only by continuous study of facts relating to the past and the present that reliable estimates can be obtained for the future.

13.2 Statistical Data at a Glance

क्रम सं S.No.	विवरण	Particulars	ईकाई/Unit	2022-23	2023-24
संयंत्र एवं उपकरण Plant & Equipment					
1	ब्याज देय पुंजी	Capital -at-charge	करोड़/Crore	202319.5	247112.21
2	कुल निवेश	Total Investment	करोड़/Crore	51162.91	61589.60
3	**मार्ग लम्बाई** बिजलीकृत	**Route Length** Electrified	कि.मी./KM	6648.69	7076.74
	कुल	Total	कि.मी./KM	7362.99	7405.59
4	**चालु रेल पथ लम्बाई** बिजलीकृत	**Running Track Length** Electrified	कि.मी./KM	9775	10373
	कुल	Total	कि.मी./KM	10489	10702
5	स्टेशनो की संख्या	Number of stations	संख्या/Number	790	795
6	**रेल इंजिन** भाप	**Locomotives** Steam	संख्या/Number	0	0
	डीजल हाइड्रोलिक सहित	Diesel Including Hyd.	संख्या/Number	891	894

	बिजलीकृत	Electrified	संख्या/Number	1162	1153
7	**कोचिंग वाहन (चोपहियों में)** यात्री कोचिंग वाहन	**Coaching Vehicles (in 4wh)** Passenger Coaching Vehicles	ईकाई/Unit	7329	7307
	अन्य कोचिंग वाहन	Other Coaching vehicles	ईकाई/Unit	262	902
8	**ई.एम.यू.** मोटर कोच	**Electrical Multiple Unit** Motor Coach	ईकाई/Unit	85	82
	अनुयान कोच	Trailer Coach	ईकाई/Unit	164	160
9	**एम.ई.एम.यू.** मोटर कोच	**Main line Electrical Multiple Unit** Motor Coach	ईकाई/Unit	149	158
	अनुयान कोच	Trailer Coach	ईकाई/Unit	439	475
10	**डी.ई.एम.यू.** मोटर कोच	**Diesel Electric Multiple Unit** Motor Coach	ईकाई/Unit	123	124
	अनुयान कोच	Trailer Coach	ईकाई/Unit	342	330
11	रेल कार	Rail Car		4	4
12	माल डिब्बे ब्रेकवान सहित	Wagons incl. brake vans	ईकाई/Unit	19834	19063
परिचालन OPERATING					
1	**यात्री गाड़ी** गाडी कि.मी.	**Passenger Train** Train Kilometers	मिलियन/Million	68	67
	वाहन कि.मी.	Vehicle Kilometers (in 4wh)	मिलियन/Million	2475	2459
2	**मालगाड़ी** गाड़ी कि.मी.	**Goods Train** Train Kilometers	मिलियन/Million	45	42
	माल डिब्बे कि.मी.ब्रेकवान सहित	Wagons Kilometers	मिलियन/Million	2183	1941
यातायात की मात्रा Volume of Traffic					
1	**यात्री (राजस्व)** प्रारम्भिक यात्री	**Passenger(Revenue)** Passenger Originating	मिलियन/Million	369.87	413.17
	यात्री कि.मी.	Passenger Kilometers	मिलियन/Million	93350.76	104803.07

2	**माल (राजस्व)** प्रारम्भिक टन	**Goods (Revenue)** Tonnes Originating	मिलियन/Million	65.03	53.58
	प्रारम्भिक निवल टन कि.मी.	Originating N.T.K.M.	मिलियन/Million	65458	47169
रोजगार एव मजदुरी EMPLOYMENT & WAGES					
1	नियमित कर्मचारी	Regular Employees	हजार/Thousand	131.32	138.67
2	नियमित कर्मचारियो का वेतन	Wage bill of regular employees	करोड़/Crore	11043.43	11905.99
3	नियमित कर्मचारियो का औसत वार्षिक वेतन	Av. Annual wage per regular employee	हजार/Thousand	130.75	133.29
वित्तीय परिणाम Financial Results					
1	राजस्व	Revenue	करोड़/Crore	-9638.43	-7451.26
2	व्यय	Expenses	करोड़/Crore	19990.26	22881.6
3	शुद्ध राजस्व	Net Revenue	करोड़/Crore	-9638.43	-7451.26
4	पुंजी पर लाभ दर	Rate of return on capital	प्रतिशत/percent	-15.79	-68.11
5	पुंजी पर लाभांश	Dividend on Capital	करोड़/Crore	0	0
6	परिचालन अनुपात	Operating Ratio	प्रतिशत/percent	118.38	134.31

13.3 Gauge-Wise Breakup of Route & Track Kms as on 31st. March,2024

आमान GAUGE	*मार्ग कि.मी. / ROUTE KMs.*			*रेलपथ कि.मी. / TRACK KMS*	
	इकहरी लाइन	*दोहरीलाइन*	*कुल*	*साइडिंग रहित*	*साइडिंग सहित*
	Single Line	**Double Line**	**Total**	**Excl. Siding**	**Incl. Siding**
बड़ीलाइन Broad Gauge	3848.22	3296.53	7144.75	10441.26	13636.82

छोटी लाइन Narrow Gauge	260.85	0.00	260.85	260.85	320.31
कुल / Total	4109.07	3296.53	7405.60	10702.11	13957.13

13.4 Volume of Traffic handled & Transportation Out-Put

यात्री सेवा / Passenger Service					
विवरण / Particulars	***इकाई/Unit***	***2022-23***	***2023-24***	***%बढ़त / घटत %age Inc/Decr***	**पिछले वर्ष से Over Last Year**
प्रारम्भिक यात्री / Passenger Originating					
बड़ीलाइन Broad Gauge	मिलियन Million	368.91	412.58	11.84	43.67
कुल छोटी लाइन सहित Total Incl. Narrow Gauge	मिलियन Million	369.87	413.17	11.71	43.30
यात्री कि.मी. / Passenger Kms					
बड़ीलाइन Broad Gauge	मिलियन Million	93295.09	104764.12	12.29	11469.03
कुल छोटी लाइन सहित Total Incl. Narrow Gauge	मिलियन Million	93350.76	104803.07	12.27	11452.31
यात्रीगाड़ी कि.मी./Passenger Train Kms					
बड़ीलाइन Broad Gauge	हजार Thousand	68502	67269	-1.80	-1233.00
कुल छोटी लाइन सहित Total Incl. Narrow Gauge	हजार Thousand	69184	67679	-2.18	-1505.00
वाहन कि.मी. / Vehicle Kilometers (in 4wh)					
बड़ीलाइन Broad Gauge	मिलियन Million	2475	2459	-0.65	-16.00
कुल छोटी लाइन सहित Total Incl. Narrow Gauge	मिलियन Million	2484	2464	-0.81	-20.00

13.5 Volume of Traffic handled & Transportation Out-Put

विवरण / Particulars	*ईकाई / Unit*	*2022-23*	*2023-24*	पिछले वर्ष से प्रतिशत बढ़त / घटत %age Inc./Dec. Over Last Year
प्रारम्भिक टन Tonnes Originating				
बड़ी लाईन Broad Gauge	हजार/Thousand	65030	53580	-17.61
कुल छोटी लाईन सहित Total Incl.Narrow Gauge	हजार/Thousand	65030	53580	-17.61
निवल टन कि.मी. Net Tonne KMS				
बड़ी लाईन Broad Gauge	मिलियन/Million	65458	47169	-27.94
कुल छोटी लाईन सहित Total Incl.Narrow Gauge	मिलियन/Million	65458	47169	-27.94
माल गाडी कि.मी. Goods Train Kms				
बड़ी लाईन Broad Gauge	हजार/Thousand	45776	42610	-6.92
कुल छोटी लाईन सहित Total Incl.Narrow Gauge	हजार/Thousand	45776	42610	-6.92
माल डिब्बा कि.मी. Wagon Kms				
बड़ी लाईन Broad Gauge	मिलियन/Million	2183	1942	-11.04
कुल छोटी लाईन सहित Total Incl.Narrow Gauge	मिलियन/Million	2183	1942	-11.04

13.6 Plan Head Loading Performance (Including Non-Revenue)

क्रम संख्या		प्रारम्भिक टन Tonnes Org.		ढोये गये एन.टी.के.एम. / Carried NTKM	
		हजार (Thousand)		*हजार (Thousand)*	
S.No.	*विवरण / Particulars*	*2022-23*	*2023-24*	*2022-23*	*2023-24*
1	**कोयला/Coal**				
	रेलवे के लिये कोयला / Coal for Railway use	0	0	0	0

	इस्पात कारखाने के लिये कोयला / Coal for Steel Plants	0	0	0	0
	अन्य उपयोग के लिये / Coal for other users	147	371	34211259	30670856
	कुल कोयला/ Total Coal	147	371	34211259	30670856
2	**इस्पात कारखाने के लिये कच्चा माल कोयले को छोडकर**				
	Raw Material for Steel Plant Other than Coal	0	0	5476	1968
3	**इस्पात कारखाने से पुर्ण उत्पाद**				
	Finished products from Steel Plant	0	0	3135954	2544351
4	**निर्यात के लिये For Export**				
	लोह अवस्क / Iron Ore	0	0	122538	181378
	मैग्नीज अवस्क / Mangenese Ore	0	0	0	0
5	**सीमेंट/ Cement**	3068	3530	4761124	4826820
	अनाज/Foodgrains	31187	18104	18230776	10443662
	उर्वरक/Fertilizers	7932	7918	3864697	4315177
	खनिज तेल/Mineral Oils	4243	4993	2400596	2631210
	अन्य माल/Other Goods	18470	15739	10799045	10758907
	कुल राजस्व लदान/Total Revenue Loading	65047	53585	77531465	66374329
	कुल गैर राजस्व लदान/Total non-revenue Loading	232	197	22844	222888
6	**कुल राजस्व एव गैर राजस्व लदान**				
	Total Revenue and Non-Revenue Loading	65279	53782	77554309	66396617

13.7 Average Speed of Goods Train

S. No.	वितरण / Particulars	*2022-23*	*2023-24*
1	सीधी माल /Through Goods	24.61	25.22
2	सभी माल / All Goods	24.61	25.22

13.8 Passenger Train Kilometres (P+M) in Thousand

S. No.	विवरण / Particulars	*2022-23*	*2023-24*
1	डीजल विद्युत / Diesel Electric	23838	9654
2	डीजल हाइड्रोलिक/ Diesel Hydraulic	0	0
3	विद्युत / Electric	44664	57615
4	कुल/Total	68502	67269

13.9 Goods Train Kilometres (G+M) in Thousand

S.No.	विवरण / Particulars	*2022-23*	*2023-24*
1	डीजल विद्युत / Diesel Electric	10289	8137
2	डीजल हाइड्रोलिक/ Diesel Hydraulic	0	0
3	विद्युत / Electric	35487	34473
4	कुल/Total	45776	42610

13.10 Wagon Kilometres (G+M) in Thousand

S.No.	विवरण / Particulars	*2022-23*	*2023-24*
1	डीजल विद्युत / Diesel Electric	440226	313924
2	डीजल हाइड्रोलिक/ Diesel Hydraulic	0	0
3	विद्युत / Electric	1743161	1628073
4	कुल/Total	2183387	1941997

13.11 Total Shunting Engine KM's for the year 2023-24 (in Thousand)

	भाप	डीजलविद्युत	डीजल/ हाइड्रोलिक	विद्युत	कुल
लाईन/ Gauge	Steam	DSL-ELE	DSL/HYD.	Electric	Total
बी.जी./ B.G.	0	5061	0	7327	12388
एन.जी./N.G.	0	0	157	0	157

13.12 Engine Utilization (Territorial Basis)

क्रम संख्या S.No.	*विवरण / Particulars*	आंकडे हजार मे / Figure In Thousand		*% बढ़त / घटत पिछले वर्ष से %age Increase/ Decrease Over Last Year*
		2022-23	2023-24	
1	**इंजन कि.मी. शंटिग सहित (विभागीय को छोड़ कर) Engine Kms. Incl. Shtg. (Excl. Deptt.)**			
	यात्री और मिश्रित अंश / Pass. & Prop. of Mixed			
	बड़ी लाईन/BROAD GAUGE			
	डीजल विद्युत /Diesel Electric	35050	22765	-35.05
	डीजल हाइड्रोलिक/Diesel Hydraulic	0	0	0.00
	विद्युत /Electric	59075	80062	35.53
	कुल/Total	94125	102828	9.25
	छोटी लाईन/NARROW GAUGE			
	डीजल हाइड्रोलिक/Diesel Hydraulic	885	567	-35.93
	कुल/Total	885	567	-35.93
	माल और मिश्रित अंश / Goods & Prop. of Mixed			
	बड़ी लाईन/BROAD GAUGE			
	डीजल विद्युत /Diesel Electric	19627	13436	-31.54
	डीजल हाइड्रोलिक/Diesel Hydraulic	0	0	0

	विद्युत /Electric	49421	46015	-6.89
	कुल/Total	69048	59451	-13.90
	छोटी लाईन/NARROW GAUGE			
	डीजल हाइड्रोलिक/Diesel Hydraulic	0	0	0
	कुल/Total	0	0	0
2	**कुल इंजन कि.मी. विभागीय सहित / Total Engine Kms (Including Deptt.)**			
	बड़ी लाईन/BROAD GAUGE			
	डीजल विद्युत /Diesel Electric	56361	39290	-30.29
	डीजल हाइड्रोलिक/Diesel Hydraulic	0	0	0.00
	विद्युत /Electric	111674	130672	17.01
	कुल/Total	168034	169964	1.15
	छोटी लाईन/NARROW GAUGE			
	डीजल हाइड्रोलिक/Diesel Hydraulic	929	629	-32.29
	कुल/Total	929	629	-32.29
3	**इंजन कि.मी. प्रतिदिन प्रत्येक इंजन प्रयोग मे / Engine Kms per day per Engine in use**			
	सवारी सेवा/ Passenger Service			
	बड़ी लाईन/BROAD GAUGE			
	डीजल विद्युत /Diesel Electric	754.0	605.0	-19.76
	विद्युत /Electric	824.0	793.0	-3.76
	डीजल हाइड्रोलिक/Diesel Hydraulic	0	0	0
	छोटी लाईन/NARROW GAUGE			
	डीजल हाइड्रोलिक/Diesel Hydraulic	71	45	-36.62
	माल सेवा/ Goods Service			
	बड़ी लाईन/BROAD GAUGE			
	डीजल विद्युत /Diesel Electric	295.0	295.0	0.00
	विद्युत /Electric	391.0	377.0	-3.58
	डीजल हाइड्रोलिक/Diesel Hydraulic	0	0	0

13.13 Input & Output Ratio

क्रम संख्या S.No.	*विवरण / Particulars*	बडी लाईन/BROAD GAUGE		
		2022-23	2023-24	*%बढत / घटत पिछले वर्ष से %age Increase/ Decrease Over Last Year*
इन पुट / IN PUT				
1	2.5 स्टीम लोको के बराबर एक मुख्य लाइन डी/इलेक्ट्रिक लोको को लेकर भाप लोको के संदर्भ में माल इंजन की संख्या No. of goods engine equated in terms of steam locos by taking one main line D/Electric loco equivalent to 2.5 steam locos	428	300	-29.91
2	मालडिब्बा रखना / Wagon Holding	19834	19063	-3.89
आउट पुट / Out Put				
1	सकल टन कि. मी. (क्षेत्रीय) इंजिन का वजन एंवम विभागीय सहित (लाख मे) (माल) G.T.K.M. (Territorial) Incl.Weight of Engine & Deptt.(In lakh)	1404755	1251047	-10.94
2	निवल टन कि. मी. (आवंटन)(लाख मे) N.T.K.M.(Allotment) (In lakh)(Goods)	1718385	1637335	-4.72
3	औसत प्रतिदिन लदान (राजस्व और गैर राजस्व) Av.daily wagons loading (Revenue & Non-Revenue)	3903	3530	-9.56
4	औसत प्रतिदिन लदे हुए प्राप्त Av.daily loaded wagons Receipt	7730	7728	-0.03
5	कुल लदान एवम लदे हुए प्राप्त (औसत प्रतिदिन) Total of Loading & Loaded wagons Receipts(Av.Daily)	11633	11258	-3.22
6	माल डिब्बा कि.मी.प्रति मालडिब्बा प्रतिदिन (लाईन पर) Wagon Kms Per Wagon Day(On Line)	243	224	-7.82

13.14 NUMBER AND COST OF STAFF AS ON 31.03.2024

GROUP	कर्मचारियों की संख्या (हजार में) *Number of Staff (in Thousand)*		कर्मचारियों की लागत (करोड़ में) *Cost of Staff (in Crore)*	
	2022-23	***2023-24***	***2022-23***	***2023-24***
चालू लाईन/Open Line				
समूह ए/Group A	0.90	0.96	289.34	304.25
समूह बी/Group B	0.53	0.47	126.02	122.13
समूह सी/Group C	128.05	135.46	16430.03	17727.86
समूह डी/Group D	0.00	0.00	0.00	0.00
कुल Total	**129.48**	**136.89**	**16845.39**	**18154.24**
निर्माण/Construction				
समूह ए/Group A	0.12	0.11	43.76	43.36
समूह बी/Group B	0.10	0.09	27.42	29.46
समूह सी/Group C	1.62	1.56	254.32	249.73
समूह डी/Group D	0.00	0.00	0.00	0.00
कुल Total	**1.84**	**1.76**	**325.50**	**322.55**
GRAND TOTAL/ कुल योग	**131.32**	**138.65**	**17170.89**	**18476.79**
NOTE:-Group ‘D' Staff is Included in Group C in 2023-24				

DENSITY STATEMENT FOR THE YEAR 2023-24 (BG)

DELHI DIVISION						AVERAGE DAILY NUMBER OF								*NTKM / Route Kms*			Gross Tonne Kms Per Route Kms Per Day					
				Sec.	Route	PassTrainsRun		P.C.V's Run(8Wh)		Goods Trains Run		Wagons Run		*Per Day*			Goods'		Passenger		Goods'+Passeger	
S.No.	Sections			No.	Kms.	UP	DN	UP	DN	UP	DN	UP	DN	UP	DN	TOTAL	UP	DN	UP	DN	UP	DN
	Double line (Electrified)																					
1	TKJ	--	NDLS	101	3	94.1	94.1	1686	1686	0.0	1.7	1.43	36	0	1218	1218	8	1985	221871	221871	221879	223855
2	SBB	--	DSA	102	7	54.7	54.7	866	866	11.9	21.0	591	1113	26959	30889	57847	40317	55470	78260	78260	118577	133730
3	DSA	--	DLI	103	6	64.1	64.1	982	982	11.8	20.5	586	1094	25120	29925	55045	39984	54041	58390	58390	98374	112431
4	NDLS	--	DLI	104	4	10.2	10.2	123	123	0.0	0.0	0.00	0.00	0	0	0	0	0	5467	5467	5467	5467
5	PWL	--	TKD	105	40	71.9	71.9	1360	1360	54.4	29.0	2324	1011	104166	36263	140429	157930	74503	108868	108868	266798	183371
6	DKZ	--	SSB	111	8	25.5	25.5	403	403	8.4	11.2	497	769	23621	15131	38752	34770	31422	25134	25134	59905	56556
7	NDLS	--	SZM	121	3	29.3	29.3	537	537	0.3	0.3	6	5	340	0	340	483	932	53327	53327	53810	54260
8	DLI	--	SZM	122	3	15.3	15.3	272	272	6.0	8.9	443	293	19553	12315	31867	29640	19256	16973	16973	46613	36228
9	SZM	--	PNP	123	86	45.3	45.3	799	799	21.5	25.6	763	927	43699	30640	74339	62556	63147	88279	88279	150836	151426
10	PNP	--	KKDE	124	67	40.3	40.3	750	750	14.5	14.1	673	591	34595	25081	59677	50405	39411	89383	89383	139788	128794
11	KKDE	--	UMB	125	42	40.0	40.0	724	724	13.7	14.7	637	555	33834	21738	55572	48757	35141	49504	49504	98261	84645
12	PTNR	--	NDAZ	126	8	0.1	0.1	2	2	5.5	23.8	589	969	3812	43082	46894	39686	65821	149	149	39835	65970
13	GZB	--	CPYZ	150	4	7.1	7.1	133	133	18.9	20.3	808	2294	47226	82950	130176	64491	134627	8491	8491	72981	143118
14	GZB	--	SBB	151	7	126.8	126.8	2247	2247	36.3	35.2	1861	1895	90342	73974	164316	130532	116604	207297	207297	337829	323901
15	SBB	--	ANVT	152	6	48.5	48.5	961	961	0.0	0.0	0.00	0.72	0	0	0	0	23	64167	64167	64167	64190
16	SBB	--	NZM	153	17	11.3	11.3	199	199	24.3	24.0	1216	992	61032	50856	111887	86639	73814	38201	38201	124839	112015
17	TKD	--	NZM	154	10	68.0	68.0	1274	1274	9.4	12.2	507	164	19384	24566	43949	31337	38006	169556	169556	200893	207562
18	SBB	--	TKJ	155	15	35.4	35.4	657	657	0.0	0.0	0.00	1.00	0	0	0	0	0	78756	78756	78756	78756
19	PTNR	--	SSB	156	8	2.3	2.3	45	45	10.6	22.1	431	1156	27441	49588	77029	36649	75353	3118	3118	39767	78471
20	TKD	--	OKA	161	6	59.5	59.5	1161	1161	2.0	8.6	27	653	1020	30811	31831	1555	47152	79272	79272	80827	126424
21	OKA	--	PTNR	162	20	1.3	1.3	27	27	1.6	15.1	25	663	3752	34195	37947	7703	52968	1845	1845	9548	54813
22	NZM	--	PTNR	181	19	2.9	2.9	54	54	15.2	13.5	507	459	32096	27911	60007	42759	38284	3754	3754	46514	42038
23	PTNR	--	DBSI	182	3	5.4	5.4	102	102	0.00	0.2	1.01	13	0	176	176	26	494	7120	7120	7146	7613
24	DBSI	--	DKZ	183	3	21.2	21.2	348	348	0.01	0.2	1.49	13	0	187	187	36	512	22803	22803	22839	23315
25	DLI	--	DKZ	184	3	12.2	12.2	189	189	12.4	12.7	621	823	28503	18378	46881	8081	35976	20823	20823	28904	56798
26	NDLS	--	DKZ	185	3	19.1	19.1	320	320	0.01	0.10	0.52	4.89	0	112	112	13	235	38103	38103	38116	38338
27	NZM	--	TKJ	186	5	47.2	47.2	857	857	0.01	1.7	0.34	38	0	1309	1309	8	2100	105427	105427	105436	107527
28	SSB	--	ROK	112	60	20.7	20.7	356	356	33.7	40.3	1724	1734	44348	52009	96357	146478	89798	23987	23987	170464	113784
29	GZB	--	MTC	133	47	24.7	24.7	437	437	2.1	4.4	205	153	8749	4139	12889	13614	7816	50141	50141	63756	57958
30	MTC	--	SRE	134	114	22.2	22.2	402	402	6.0	3.0	401	277	20049	3147	23195	29148	2875	34705	34705	63853	37580
31	DLI	--	GHH	163	41	31.4	31.4	570	570	21.0	23.0	5056	4621	46634	42627	89261	126833	136286	19793	19793	146626	156079
32	GHH	--	RE	164	42	30.8	30.8	574	574	4.4	6.6	550	807	34008	49691	83699	41944	66631	39848	39848	81792	106479
33	ROK	--	JIND	113	57	15.3	15.3	248	248	22.3	23.7	1009	982	58568	29917	88485	68091	77494	16514	16514	84605	94008
34	JIND	--	NRW	114	34	13.7	13.7	228	228	21.2	21.6	983	970	56151	26644	82795	83226	53521	16087	16087	99313	69608
35	NRW	--	JHL	115	38	11.8	11.8	211	211	19.2	14.1	912	1390	53498	36524	90023	73566	66471	14784	14784	88351	81256
36	JHL	--	BTI	116	98	10.2	10.2	182	182	12.7	19.2	617	915	38699	22459	61158	52247	42796	12774	12774	65022	55571
37	DSA	--	SMQL	131	88	11.4	11.4	152	152	2.1	3.2	68.81	93.58	110	256	366	6317	4192	8822	8822	15139	13014
38	SMQL	--	SRE	132	71	5.7	5.7	82	82	1.9	0.9	87.51	43.57	2903	1447	4350	5301	2641	4653	4653	9954	7294
39	GHH	--	FN	166	12	1.7	1.7	13	13	4.1	4.0	166	166	3941	5394	9335	8897	10333	834	834	9731	11167
40	GHH	--	PTNR	173	33	30.0	30.0	573	573	2.2	5.3	102	269	5463	17443	22906	7394	22544	39963	39963	47358	62507
41	TPZ	--	LRJ	136	50	7.1	7.1	105	105	0.5	1.9	13	234	101	2032	2134	371	7591	7515	7515	7886	15106
	Single Line (Electrified)																					
42	KKDE	--	NRW	141	87	2.2	2.2	21	21	1.6	2.9	30	89	632	4554	5186	1364	6637	1603	1603	2967	8241
43	PNP	--	JIND	142	70	4.3	4.3	44	44	6.4	7.6	307	312	15899	11062	26961	22424	17834	3005	3005	25428	20838
44	ROK	--	PNP	143	72	1.8	1.8	24	24	4.8	2.9	211	132	12291	3002	15293	16518	5875	1712	1712	18229	7587
45	RE	--	ROK	165	82	3.5	3.5	39	39	0.1	6.3	161	30	10033	12875	22908	13253	18607	2715	2715	15968	21322

DENSITY STATEMENT FOR THE YEAR 2023-24 (BG)

FIROZPUR DIVISION						AVERAGE DAILY NUMBER OF								*NTKM / Route Kms*			Gross Tonne Kms Per Route Kms Per Day					
				Sec.	Route	PassTrainsRun		P.C.V's Run		Goods Trains Run		Wagons Run		*Per Day*			Goods'		Passenger		Goods'+Passeger	
S.No.	Sections			No.	Kms.	UP	DN	UP	DN	UP	DN	UP	DN	UP	DN	TOTAL	UP	DN	UP	DN	UP	DN
	Double line (Electrified)																					
1	SNL	--	LDH	211	15	49.3	49.3	885	885	22.0	21.5	864	753	25183	31316	56499	45842	49021	60840	60840	106683	109862
2	LDH	--	PHR	212	13	54.1	54.1	924	924	12.9	13.3	550	469	18950	16905	35855	57827	50524	64099	64099	121926	114623
3	PHR	--	PGW	213	22	49.5	49.5	893	893	10.1	9.8	417	334	16401	10815	27216	63587	51953	61934	61934	125520	113887
4	PGW	--	JRC	214	16	50.5	50.5	903	903	10.2	9.4	405	360	15693	9898	25592	59297	52107	62621	62621	121918	114728
5	JRC	--	JUC	215	5	40.2	40.2	603	603	5.6	5.5	505	662	23323	12785	36108	57308	39709	62809	62809	120116	102518
6	JUC	--	BEAS	216	36	25.9	25.9	454	454	5.1	5.7	213	236	9095	6489	15584	51207	44899	63015	63015	114221	107914
7	BEAS	--	ASR	217	43	27.2	27.2	467	467	2.8	3.1	98	99	2750	3845	6595	67197	62752	64361	64361	131559	127113
8	JRC	--	SCPD	221	3	18.5	18.5	389	389	5.1	2.2	762	49	6253	1892	8146	66991	5325	26890	26890	93882	32215
9	JUC	--	SCPD	222	3	3.0	3.0	33	33	2.0	3.0	66	257	2548	252	2800	5056	6787	2224	2224	7280	9011
10	SCPD	--	PTKC	223	109	21.5	21.5	422	422	6.5	7.1	212	254	8601	2961	11562	23065	14278	29344	29344	52409	43622
11	CHKB	--	PTK	224	4	3.8	3.8	47	47	0.1	0.2	2	5	38	13	51	100	156	3245	3245	3345	3401
12	CHKB	--	BHRL	226	3	20.5	20.5	408	408	5.9	5.9	195	215	8706	2382	11088	15322	7485	28134	28134	43456	35619
13	PTK	--	BHRL	225	3	7.8	7.8	104	104	0.07	0.07	3	3	95	80	175	174	165	10863	10863	11036	11028
14	BHRL	--	JAT	227	98	22.5	22.5	445	445	6.4	6.9	207	252	8380	2309	10689	16286	8469	30769	30769	47055	39238
	Single Line (Electrified)																					
15	SGDN	-	BRML	229	184	7.6	7.6	61	61	0.0	0.0	0	0	0	0	0	0	0	3902	3902	3902	3902
16	MCTM	--	SVDK	237	26	8.4	8.4	170	170	0.0	0.0	0	0	0	0	0	0	0	11808	11808	11808	11808
17	JAT	-	UP	228	53	11.7	11.7	217	217	1.9	1.9	54	75	1813	885	2698	3583	2906	14998	14998	18580	17903
18	PHR	--	NRO	261	32	8.6	8.6	47	47	0.8	1.2	30	43	34	2593	2627	854	3606	3174	3174	4028	6780
19	NRO	--	LNK	262	32	4.7	4.7	31	31	0.6	1.1	20	41	19	2279	2298	483	2947	2165	2165	2648	5112
20	NRO	--	JUC	263	31	3.9	3.9	16	16	0.0	0.1	2	3	74	17	91	106	82	1010	1010	1115	1091
21	VKA	--	BTA	269	31	3.3	3.3	22	22	0.2	0.2	11	5	184	86	269	505	212	1401	1401	1906	1612
22	ASR	--	VKA	268	8	7.8	7.8	88	88	0.4	0.2	27	10	1206	62	1269	3423	1732	6087	6087	9510	7820
23	BTA	--	PTK	270	68	2.6	2.6	18	18	0.7	1.1	22	44	854	655	1509	1404	1759	1444	1444	2848	3203
24	BTA	--	QDN	271	19	0.7	0.7	4	4	0.0	0.0	0	0	0	0	0	0	0	264	264	264	264
25	BEAS	--	TTO	274	49	1.9	1.9	15	15	1.1	2.7	21	59	1051	2299	3351	1473	3354	953	953	2426	4307
26	KEMK	--	ASR	275	77	3.0	3.0	18	18	0.7	1.6	6	14	239	337	576	376	697	1165	1165	1541	1861
27	BTI	--	KKP	231	42	13.1	13.1	182	182	3.7	6.1	142	221	5773	7983	13756	10761	15385	12896	12896	23656	28280
28	KKP	--	FKA	232	80	6.3	6.3	56	56	1.5	2.1	29	47	650	2518	3168	1348	3672	3915	3915	5264	7587
29	KKP	--	FZR	233	45	8.5	8.5	126	126	2.3	3.6	90	143	3655	1202	4857	6836	5022	9038	9038	15874	14060
30	FZR	--	FKA	234	88	5.9	5.9	47	47	1.6	1.4	30	20	337	1426	1763	899	1583	3228	3228	4126	4810
31	ABS	--	FKA	235	43	1.0	1.0	12	12	0.0	0.0	0	0	0	0	0	0	0	892	892	892	892
32	LDH	--	FZR	241	124	7.6	7.6	84	84	8.8	6.7	346	205	838	7238	8076	10807	16795	5985	5985	16792	22781
33	JUC	--	LNK	251	52	8.1	8.1	81	81	5.5	3.7	426	220	478	5567	6045	11177	16468	5598	5598	16776	22066
34	LNK	--	FZR	252	66	7.4	7.4	72	72	4.8	3.8	384	212	316	5647	5964	10986	15375	4953	4953	15939	20329
35	HSX	--	JRC	264	38	6.9	6.9	45	45	1.0	1.0	26	25	482	543	1024	1282	1229	3110	3110	4392	4340
36	NSS	--	RHU	265	7	1.3	1.3	8	8	0.0	0.0	0	0	0	0	0	0	0	607	607	607	607
37	JJJ	--	NSS	266	31	0.7	0.7	3	3	0.0	0.0	0	0	0	0	0	0	0	173	173	173	173
38	NSS	--	PGW	267	36	1.3	1.3	8	8	0.4	0.4	13	13	650	131	781	974	441	607	607	1580	1047
39	VKA	--	DBNK	272	45	2.6	2.6	16	16	0.0	0.3	0	10	0	345	345	0	626	995	995	995	1620
40	ASR	--	ATT	273	25	2.0	2.0	12	12	0.6	0.6	14	14	161	717	878	498	1042	764	764	1262	1806
41	FZR	--	HSW	276	6	6.4	6.4	61	61	0.0	0.0	0	0	0	0	0	0	0	4194	4194	4194	4194

DENSITY STATEMENT FOR THE YEAR 2023-24 (BG)

LUCKNOW DIVISION						**AVERAGE DAILY NUMBER OF**								***NTKM / Route Kms***			**Gross Tonne Kms Per Route Kms Per Day**					
				Sec.	Route	**PassTrainsRun**		**P.C.V's Run**		**Goods Trains Run**		**Wagons Run**		***Per Day***			**Goods'**		**Passenger**		**Goods'+Passeger**	
S.No.	Sections			No.	Kms.	UP	DN	UP	DN	UP	DN	UP	DN	UP	DN	TOTAL	UP	DN	UP	DN	UP	DN
	Double line (Electrified)																					
1	ON	--	CNB	317	17	41.4	41.4	734	734	11.8	13.6	782	799	5370	47064	52434	86501	88858	65519	65519	152021	154377
2	LKO	--	ON	318	54	30.7	30.7	578	578	16.1	22.2	797	885	3699	46857	50556	81957	113891	40013	40013	121969	153904
3	DDU	--	BSB	301	17	21.8	21.8	434	434	31.3	29.3	1572	1127	104767	7294	112062	158756	71802	38662	38662	197418	110464
4	BSB	--	ZBD	302	51	18.5	18.5	380	380	29.3	28.4	1541	1520	101433	13153	114586	142140	86445	26360	26360	168500	112806
5	UTR	--	LKO	305	12	29.5	29.5	526	526	24.2	15.5	402	210	27630	6475	34105	109912	84997	36574	36574	146485	121570
6	PRYJ	--	PRG	321	7	17.0	17.0	275	275	4.1	2.0	532	216	30601	7613	38214	42230	11870	19303	19303	61533	31173
7	RBL	--	UTR	372	66	18.2	18.2	298	298	5.5	4.6	201	161	15226	5910	21136	39870	23264	20903	20903	60773	44167
8	BBK	--	ML	353	16	37.8	37.8	775	775	21.1	7.9	899	347	9503	29549	39052	74133	76796	61806	61806	135939	138602
9	ML	-	LKO	354	12	29.3	29.3	625	625	20.6	11.4	869	495	8535	23445	31980	81500	84814	49654	49654	131154	134467
10	ZBD	--	SLN	303	92	13.4	13.4	271	271	21.4	12.8	1154	678	74372	13999	88371	99671	37841	18424	18424	118095	56265
11	SLN	--	UTR	304	127	12.9	12.9	260	260	21.4	21.9	1127	1122	70379	16340	86719	95152	41469	17703	17703	112854	59171
12	UTR	--	AMG by p	370	17	0.0	0.0	0	0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0
13	JNH	--	ZBD	312	48	4.6	4.6	71	71	0.5	2.5	22	41	919	665	1584	1268	1348	5078	5078	6346	6426
14	PFM	--	PBH	331	47	4.2	4.2	46	46	1.7	0.7	86	32	3298	439	3738	14795	3066	3278	3278	18073	6344
15	PBH	--	CIL	332	4	14.9	14.9	261	261	7.6	5.8	351	529	18086	7615	25701	25980	17874	18375	18375	44355	36248
16	CIL	--	SLN	333	36	2.3	2.3	36	36	1.2	2.0	43	81	1331	411	1742	3047	2592	2593	2593	5639	5184
17	SLN	--	AYC	334	58	1.8	1.8	25	25	2.0	2.5	99	115	3621	306	3927	5595	3153	1781	1781	7375	4933
18	ABP	--	AYC	343	61	8.3	8.3	155	155	5.5	3.1	69	73	1591	4055	5647	3220	5727	10442	10442	13662	16169
19	DMW	--	DYP	381	25	2.5	2.5	14	14	0.0	0.0	0	0	0	0	0	0	0	1207	1207	1207	1207
20	DYP	--	RBL	382	6	10.0	10.0	100	100	1.0	1.1	56	45	2779	718	3497	4766	2009	7382	7382	12149	9391
21	DYP	--	UCR	383	22	7.6	7.6	86	86	1.3	0.2	46	6	1585	361	1946	3107	525	6176	6176	9283	6701
	Single Line (Electrified)																					
22	DMW	--	ON	316	81	4.9	4.9	53	53	1.1	1.1	41	43	667	2497	3165	2034	3473	3932	3932	5966	7405
23	PFM	--	JNH	311	47	8.5	8.5	165	165	6.4	3.9	684	112	37888	4438	42326	49044	5878	10314	10314	59358	16192
24	ZBD	--	JNU	313	7	13.0	13.0	243	243	0.2	1.7	0	12	74	744	819	17	1013	16968	16968	16986	17982
25	PFM	--	UCR	314	72	9.3	9.3	121	121	4.8	10.2	112	663	5772	4950	10723	9532	21181	8573	8573	18105	29753
26	UCR	--	DMW	315	31	6.3	6.3	90	90	1.4	0.8	38	35	716	2198	2915	2210	3020	6475	6475	8685	9495
27	PRG	--	PFM	322	6	21.2	21.2	343	343	0.0	0.0	0	0	0	4	4	0	6	31387	31387	31387	31393
28	ZBD	--	SHG	341	39	9.1	9.1	193	193	7.9	7.0	404	430	25854	2391	28245	34774	21139	16652	16652	51427	37792
29	SHG	--	ABP	342	44	9.6	9.6	203	203	7.4	8.7	408	444	21127	2641	23768	35155	18583	17297	17297	52453	35881
30	ABP	--	TD	351	17	0.0	0.0	0	0	5.5	5.4	444	449	30539	0	30539	39978	21683	0	0	39978	21683
31	AYC	--	BBK	352	100	7.0	7.0	149	149	2.0	4.5	65	138	729	4293	5022	13939	34610	12339	12339	26278	46949
32	BSB	--	JNH	361	75	13.6	13.6	264	264	9.8	14.6	523	771	33400	9167	42567	45115	26586	18388	18388	63503	44974
33	JNH	--	PBH	362	53	10.8	10.8	188	188	4.1	6.5	215	341	14403	2782	17186	18582	10315	13257	13257	31839	23572
34	CIL	--	RBL	371	91	12.4	12.4	225	225	7.5	6.5	309	214	16331	3644	19975	29335	13122	18933	18933	48269	32055
35	PRG	--	PYG	391	2	7.1	7.1	113	113	0.0	0.0	0	0	0	0	0	0	0	8038	8038	8038	8038

DENSITY STATEMENT FOR THE YEAR 2023-24 (BG)

MORADABAD DIVISION						AVERAGE DAILY NUMBER OF								*NTKM / Route Kms*			Gross Tonne Kms Per Route Kms Per Day					
				Sec.	Route	PassTrainsRun		P.C.V's Run		Goods Trains Run		Wagons Run		*Per Day*			Goods'		Passenger		Goods'+Passeger	
S.No.	Sections			No.	Kms.	UP	DN	UP	DN	UP	DN	UP	DN	UP	DN	TOTAL	UP	DN	UP	DN	UP	DN
	Double line (Electrified)																					
1	MB	--	NBD	401	98	18.7	18.7	422	422	26.8	15.1	1341	1126	37664	30904	68568	68851	56458	29199	29199	98050	85657
2	NBD	--	MZM	402	12	20.6	20.6	456	456	22.8	15.9	1345	1177	37537	32745	70282	68782	58846	31732	31732	100514	90579
3	MZM	--	LRJ	403	30	22.5	22.5	426	426	23.7	16.9	1342	1174	37369	32579	69948	68547	58614	29411	29411	97958	88025
4	LRJ	--	SRE	404	53	23.6	23.6	443	443	24.1	17.8	1348	1182	37419	32651	70070	68689	58844	30647	30647	99336	89491
5	LKO	--	BLM	411	69	33.8	33.8	646	646	37.7	32.1	1797	2968	100310	52067	152376	143885	118674	44905	44905	188789	163579
6	BLM	--	ROSA	412	88	35.8	35.8	676	676	29.3	16.8	1547	236	82868	2694	85562	120297	43635	47030	47030	167326	90665
7	ROSA	--	SPN	413	8	41.4	41.4	782	782	24.4	15.8	1967	1655	72653	58324	130977	120578	97033	54424	54424	175002	151456
8	SPN	--	BE	414	70	38.2	38.2	737	737	28.7	25.8	2031	1701	72358	59534	131892	119499	99117	51119	51119	170618	150236
9	BE	--	MB	415	91	37.8	37.8	794	794	26.9	22.8	1621	1440	64380	46772	111152	101414	115370	55244	55244	156657	170613
10	HPU	--	GZB	423	37	30.7	30.7	585	585	13.8	14.4	689	593	35745	34046	69791	72563	96073	39995	39995	112559	136068
11	MB	--	GJL	421	53	30.9	30.9	571	571	14.8	13.4	696	593	37786	31648	69435	88041	73889	39657	39657	127698	113546
12	GJL	--	HPU	422	51	29.7	29.7	557	557	11.9	10.7	712	595	37646	33291	70937	74653	73342	38640	38640	113294	111982
13	LRJ	--	HW	461	28	22.6	22.6	373	373	1.3	1.9	27	17	2194	664	2858	17555	7647	26353	26353	43908	34000
14	SCC	--	SPN	453	88	3.3	3.3	71	71	16.1	13.8	619	526	2235	31566	33801	17558	44350	4936	4936	22494	49286
	Single Line (Electrified)																					
15	KRJ	--	HPU	441	63	4.7	4.7	84	84	6.5	8.7	311	416	17258	1713	18971	24160	11300	5351	5351	29511	16651
16	HPU	--	MTC	442	30	3.9	3.9	62	62	5.9	0.7	285	12	15450	420	15870	21822	695	4415	4415	26237	5111
17	RJK	--	MB	432	25	8.6	8.6	113	113	2.8	1.3	124	48	7006	2531	9538	10065	3745	8004	8004	18068	11748
18	CH	--	BE	472	70	7.3	7.3	77	77	16.1	5.8	559	171	19093	7739	26832	32632	12026	5424	5424	38056	17450
19	CH	--	RJK	431	19	8.1	8.1	97	97	8.6	4.3	819	171	26130	9501	35631	45957	13745	6879	6879	52836	20624
20	SHTS	--	RJK	433	23	1.7	1.7	5	5	0.0	0.0	0	0	0	0	0	0	0	324	324	324	324
21	ON	--	BLM	451	100	2.4	2.4	18	18	1.2	2.0	32	69	2005	3297	5302	2828	5017	1291	1291	4119	6308
22	BLM	--	SCC	452	60	0.9	0.9	8	8	0.7	0.2	17	2	1048	17	1065	1260	94	641	641	1901	735
23	HGJ	--	CH	471	78	7.5	7.5	65	65	4.2	1.9	158	53	6752	649	7401	6918	995	4686	4686	11604	5681
24	NBD	--	KTW	481	24	3.9	3.9	21	21	0.0	0.0	0	0	0	0	0	0	0	1778	1778	1778	1778
25	NBD	--	GJL	482	106	3.9	3.9	48	48	0.9	0.9	7	7	77	422	498	1431	2259	3492	3492	4923	5750
26	DDN		LRJ	476	6	11.5	11.5	190	190	0.0	0.0	0	0	0	0	0	0	0	13451	13451	13451	13451
27	HW	--	RWL	462	11	22.1	22.1	355	355	0.5	0.9	14	24	725	703	1428	1072	1359	25179	25179	26251	26538
28	RWL	--	DDN	463	40	14.4	14.4	225	225	0.0	0.1	0	3	22	0	22	31	96	15983	15983	16014	16079
29	RWL	--	VRH	464	6	9.6	9.6	166	166	0.5	0.5	13	21	984	703	1688	1038	1278	11650	11650	12688	12928
30	VRH	--	RKSH	465	6	5.2	5.2	78	78	0.5	0.5	13	9	914	0	914	1401	277	5586	5586	6987	5863
31	VRH	--	YNRK	466	6	0.9	0.9	18	18	0.5	0.5	13	9	914	0	914	1401	277	1259	1259	2659	1535

DENSITY STATEMENT FOR THE YEAR 2023-24 (BG)

AMBALA DIVISION						AVERAGE DAILY NUMBER OF								*NTKM / Route Kms*			Gross Tonne Kms Per Route Kms Per Day					
				Sec.	Route	PassTrainsRun		P.C.V's Run		Goods Trains Run		Wagons Run		*Per Day*			Goods'		Passenger		Goods'+Passeger	
S.No.	Sections			No.	Kms.	UP	DN	UP	DN	UP	DN	UP	DN	UP	DN	TOTAL	UP	DN	UP	DN	UP	DN
	Double line (Electrified)																					
1	SRE	--	UMB	501	82	29.0	29.0	545	545	36.1	28.1	927	809	25041	21859	46900	112276	105212	37053	37053	149329	142265
2	UMB	--	RPJ	502	28	53.9	53.9	957	957	33.9	26.1	1431	1126	53001	46447	99448	129380	128875	65005	65005	194386	193880
3	RPJ	--	SIR	503	25	48.5	48.5	890	890	30.6	17.2	1291	815	53556	34547	88103	129528	93288	60050	60050	189578	153338
4	SIR	--	SNL	504	48	41.8	41.8	809	809	17.9	18.0	730	766	22428	31648	54075	79372	86141	55556	55556	134928	141696
5	UMB	--	KLK	531	70	19.4	19.4	318	318	3.4	2.8	60	56	1969	1216	3185	10363	8361	22508	22508	32872	30869
	Single Line (Electrified)																					
6	SIR	--	NLDM	532	104	3.5	3.5	36	36	7.9	7.3	201	167	7780	3006	10786	12469	6817	1844	1844	14312	8661
7	NLDM	--	UNA	533	17	0.6	0.6	9	9	0.01	0.01	0	0	60	57	117	343	504	662	662	1006	1166
8	CHD	-	MRND	534	45	0.9	0.9	14	14	1.4	2.4	20	27	245	913	1158	2177	2960	1007	1007	3185	3968
9	HSR	--	JHL	511	82	7.0	7.0	69	69	1.5	4.8	63	194	3811	9498	13309	5640	14011	5251	5251	10890	19261
10	DUI	--	LDH	513	61	9.9	9.9	128	128	6.1	6.1	198	223	10277	6144	16421	14431	10959	9311	9311	23742	20271
11	UHL	-	AMB	535	43	4.5	4.5	59	59	0.0	0.0	0	0	0	0	0	0	0	4252	4252	4252	4252
12	DUI	--	BTI	522	96	7.1	7.1	92	92	11.1	3.4	349	96	9718	4946	14664	18047	7273	6662	6662	24709	13935
13	JHL	--	DUI	512	67	11.0	11.0	142	142	5.9	9.9	232	340	13446	14100	27546	18366	21674	10321	10321	28686	31994
14	RPJ	--	DUI	521	78	7.8	7.8	112	112	15.4	5.3	585	187	11448	10524	21972	25035	14996	8006	8006	33041	23003
15	UHL-		DLPC	535	43	4.5	4.5	59	59	0.01	0.01	0	0	14	0	14	198	17	4252	4252	4450	4269
16	MRND		LDH	536	72	0.7	0.7	10	10	1.0	3.5	31	74	746	3558	4304	1477	5415	728	728	2205	6143
17	BTI	--	SGNR	523	127	9.3	9.3	139	139	2.0	2.9	30	51	305	2083	2388	11470	10472	9912	9912	21382	20384
18	BTIC		KZW	524	5	0.5	0.5	8	8	0.0	0.0	0	0	0	0	0	0	0	598	598	598	598

DENSITY STATEMENT FOR THE YEAR 2022-23 (NARROW GAUGE)

FIROZPUR DIVISION						AVERAGE DAILY NUMBER OF NTKM / ROUTE KMS Gross Tonne Kms Per Route Kms Per Day																
				Sec.	Route	PassTrainsRun		P.C.V's Run		Goods Trains Run		Wagons Run		Goods'			Goods'		Passenger		Goods'+Passeger	
S.No.	Sections			No.	Kms.	UP	DN	UP	DN	UP	DN	UP	DN	UP	DN	TOTAL	UP	DN	UP	DN	UP	DN
Single line (Non-Electrified)																						
1	PTK	--	JMKR	701	83	2.2	2.2	36	36	0	0	0	0	0	0	0	0	0	319	319	319	319
2	JMKR	--	BKKPL	702	59	2.2	2.2	36	36	0	0	0	0	0	0	0	0	0	319	319	319	319
3	BJKPL	--	JDNX	703	22	1.3	1.3	18	18	0	0	0	0	0	0	0	0	0	167	167	167	167

AMBALA DIVISION						AVERAGE DAILY NUMBER OF NTKM / ROUTE KMS Gross Tonne Kms Per Route Kms Per Day																
				Sec.	Route	PassTrainsRun		P.C.V's Run		Goods Trains Run		Wagons Run		Goods'			Goods'		Passenger		Goods'+Passeger	
S.No.	Sections			No.	Kms.	UP	DN	UP	DN	UP	DN	UP	DN	UP	DN	TOTAL	UP	DN	UP	DN	UP	DN
Single line (Non-Electrified)																						
1	KLK	--	SML	801	96	6.1	6.1	80	80	0	0	0	0	0	0	0	0	0	774	774	774	774

रेलवे सांख्यिकी में उपयोग की जाने वाली सामान्य शर्तों की शब्दावली

1. **पूंजी परिव्यय**- संबंधित अवधि के दौरान ठोस मूर्त-परिसंपत्ती को बढाने की द्रष्टि से किया गया पूंजी खर्च।
2. **पारगामी यातायात**- ऐसा सभी यातायात जो रिपोर्ट भेजने वाली रेलवे पर अथवा आमान के जिस खंड की विवरणी तैयार की जा रही है उस पर न तो शुरू होता हैं और न ही वहां खत्म होता है।
3. **घनत्व** – रेल-मार्ग पर किन्हीं दो स्थानों के बीच होने वाले यातायात का परिमाण। यह प्रति चालू रेलपथ किलोमीटर या मार्ग किलोमीटर यात्री किलोमीटरों अथवा शुद्ध टन किलोमीटरों और गाडी किलोमीटरों मे व्यक्त किया जाता है।
4. **इंजन किलोमीटर** - इंजन द्वारा अपनी शक्ति से तय की गई एक किलोमीटर की दूरी ही इंजन किलोमीटर है।
5. **रेलवे की निधि** – वे मुख्य प्रमुख शीर्षक जिनके तहत रेलवे के लिए निधि प्राप्त की जाती हैं निम्नलिखित है -

क) मूल्य ह्रास रिजर्व निधि – यह निधि नई संपत्तियों की लागत पर पूंजी लगाने और पुरानी संपत्तियों को बदलने एवं जब आवश्यक हो किसी संशोधित विशिष्टि की लागत सहित ऐसी नई संपत्तियों को लेने के लिए नियत की गई है। यह निधि 1 अप्रैल, 1924 से शुरू की गई थी।

ख) पेंशन निधि – यह निधि पेंशन के भुगतान, परिवार पेंशन और मृत्यु एवम् सेवानिवृति उपदान पर होने वाले खर्चो को पूरा करने के लिए तैयार की गई है। यह निधि 1 अप्रैल 1964 से लागू होने के लिए तैयार की गई थी।

ग) पूंजी निधि - 1992-93 में तैयार की गई थी, इस निधि का उपयोग ठेका भाड़ा प्रभार के मुख्य तत्व का भुगतान करने के साथ-साथ पूंजी प्रवर्ति वाले कार्यों पर पूँजी बाटने के लिए किया जाता है।

घ) विकास निधि – यह निधि रेल परिवहन, कर्मचारी कल्याण, किसी विशेष वित्तीय सीमा के अतिरिक्त अलाभकारी परिचालन संशोधन वर्क्स एवम् सुरक्षा कार्यों के उपयोगकर्ताओं के लिए सुख-सुविधाओं पर होने वाले खर्चो को पूरा करने के लिए तैयार की गई है । यह निधि 1 अप्रैल 1950 से लागू होने के लिए तैयार की गई थी।

ड) कर्ज चुकौती निधि - 2013-14 में कर्ज चुकौती निधि जेआईसीए, विश्व बैंक से लोन के संबंध में भावी कर्ज चुकौती करारों को मुहैया कराने एवम् वेतन आयोग के भावी निष्पदान के एकमात्र उद्देश्य के साथ तैयार की गई थी। यह निधि लोक लेखा के ब्याज वाले सेक्शन मे तैयार की गई थी। पूंजी निधि और विकास निधि की अनिवार्य आवश्यकताओं को पूरा करने के बाद, इस निधि का विनियोजन 'शुद्ध राजस्व आय' से किया गया है।

च) रेल सुरक्षा निधि - रेल सुरक्षा निधि 01.04.2001 से लागू होने के लिए तैयार की गई है। यह निधि मानव-रहित लेवल क्रोसिंग मे सुधार से संबंधित कार्यों एवम् व्यस्त लेवल क्रोसिंग पर पुल के ऊपर/नीचे सडक के निर्माण पर पूंजी लगाने के लिए तैयार की गई है। बहराल, विलंबित अन्य अवसंरचना से संबंधित खर्चे भी इस निधि से व्यय किये जाने के लिए अनुमत किये गए है। यह निधि मुख्य रूप से केंद्र सड़क निधि से केंद्र सरकार को निधि के हस्तांतरण द्वारा वित्त प्रबंधित की जाती है। इसके अलावा, रेलवे राजस्व आय से भी राशि विनियोजित की जा सकती है।

छ) राष्ट्रीय रेल संरक्षा कोष - 2017-18 में तैयार किया गया था, यह रेल कार्य से संबंधित सुरक्षा पर किए जाने वाले पूँजी खर्च को पूरा करने के लिए समर्पित निधि है जिसमे समयबद्ध प्रणाली मे रेल संपत्ति का नवीनीकरण और प्रतिस्थापन शामिल है। यह निधि रेलवे के आंतरिक स्त्रोतों के अलावा, सामान्य राजकोष द्वारा मुहैया कराए जाने वाले बजट सहायता से भी वित्त प्रबंधित की जा सकती है।

6. **सकल टन किलोमीटर (इंजन के वजन को छोड़कर)** – कार्य-माप का यूनिट जो माल सहित एक टन वजन वाले वाहन/वैगन, जिसमें यूनिट का वजन शामिल नहीं है, द्वारा तय की गई एक किलोमीटर दूरी के बराबर है।

7. **सकल टन किलोमीटर (इंजन के वजन सहित)** - कार्य-माप का यूनिट जो वाहन, माल और मोटिव यूनिट के वजन सहित १ टन वजन द्वारा एक किलोमीटर तय की गई दूरी के बराबर है।

8. **किलोमीटर दुरी-**

क) मार्ग किलोमीटर दुरी - रेलवे के, जिसमें उसकी चालित लाइनें भी शामिल हैं, अपने प्रत्येक आमान की दूरी जिसे इकहरी लाइन माना गया है।

ख) चालू रेलपथ किलोमीटर दुरी - मार्ग किलोमीटर और बहुसंख्यक रेलपथों की अतिरिक्त दूरी अर्थात् दुहरे, तिहरे, आदि रेलपथों को दो या तीन अथवा अधिक रेलपथ माना जायेगा किंतु इसमें साइडिंग, यार्ड और स्टेशन पर क्रॉसिंग का रेल-पथ शामिल नहीं होगा।

ग) कुल रेलपथ किलोमीटर दुरी – एक रेलवे के प्रत्येक आमान की दूरी जिसमें दुहरे, तिहरे, आदि रेलपथों के साथ ही साइडिंगो, यार्डो और स्टेशन पर क्रॉसिंग के रेल-पथ के कारण इसकी चालित लाइनें जिन्हें इकहरी लाइन एवं अतरिक्त दुरी के रूप मे माना गया है।

घ) समीकृत रेलपथ किलोमीटर – रेलपथ की किलोमीटर दुरी जिसे यातायात के घनत्व, ढाल, भूमि की बनावट, संरेखण (वक्र), वर्षा और रेल पथ के जोड़ तथा अभिन्यासो (लेआउट) के कारकों को महत्व देते हुए एक मानक यूनिट मे समीकृत किया गया हो।

ड) माध्य किलोमीटर दुरी - मार्ग किलोमीटर की परिभाषा के अनुसार मालूम की गई रेलवे की लम्बाई, जिसमे संबधित अवधि के दौरान किलोमीटर दुरी में होने वाले परिवर्तनों के लिए छूट है। इस प्रकार किसी वर्ष मे तय की जाने वाली माध्य किलोमीटर दुरी, जिसमें उस वर्ष के दौरान कोई वृद्धि/समापन किया गया हो, नीचे दिए अनुसार होगी : -

i) वर्ष के शुरुआत में रेल-मार्ग की किलोमीटर दुरी (धन/ऋण);

ii) (ऐसे दिनों की संख्या जब वर्ष के दौरान नया खंड/बंद होने वाला खंड इस्तेमाल में रहा) को (नए खंड अथवा बंद किए गए खंड की लंबाई) से गुणा करके और उसे (वर्ष में दिनों की संख्या) भाग दिया जाता है ।

9. **शुद्ध राजस्व :** सकल अर्जन और संचालन व्यय एवं अन्य विविध शुद्ध व्ययों के बीच का अंतर ।

10. **शुद्ध टन किलोमीटर :** माल यातायात के माप का यूनिट जो एक टन माल (जिसमें किसी भी किस्म की पैकिंग का वजन शामिल है किंतु परिवहन के लिए इस्तेमाल किए गए वाहन का वजन शामिल नहीं है) की 1किलोमीटर ढुलाई का द्योतक है ।

11. **व्यवसाय अनुपात :** व्यवसाय अनुपात कोचों की ढुलाई क्षमता की उपयोगिता का अनुपात है। यह उच्च एवं निम्न वर्ग समायोजन के लिए अलग से निर्धारित किया जाता है। इस सूचकांक की प्रति कोच औसत ढुलाई क्षमता के साथ तुलना की जाती है और यह कोचों में कम भीड अथवा ज्यादा भीड को निर्दिष्ट करेगा ।

12. **परिचालन अनुमात :** संचालन व्यय (जिसमें उचंत शामिल नहीं है लेकिन पेंशन निधि एवं मूल्यहास आरक्षित निधि में विनियोजित रकम शामिल है) का सकल अर्जन से अनुपात।

13. **ढोए गए यात्री :** का आशय है होम लाइन के प्रत्येक आमान पर शुरू होने वाले यात्रियों की संख्या और किसी अन्य रेलवे से अथवा होम लाइन के किसी भिन्न भिन्न लाइन से आमान पर आने वाले यात्रियों की संख्या, एवं उस आमान से गुजरने वाले यात्रियों की संख्या।

14. **यात्री किलोमीटर :** यात्री यातायात को मापने का यूनिट जो एक यात्री की 1 किलोमीटर ढुलाई के बराबर है ।

15. **चल स्टॉक :** खींचने और परिवहन के काम आने वाले सभी रेल वाहन, जिसमें चल क्रेन भी शामिल है ।

16. **सीट किलोमीटर :**यात्री वाहन की वहन क्षमता को मापने का यूनिट, जो कि सवारी डिब्बे अथवा मोटर वाहन में उपलब्ध एक सीट की 1 किलोमीटर गमन दूरी के बराबर है ।

17. **ढोया गया टन भार :** यह होम लाइन के प्रत्येक आमान पर प्रारंभ होने वाले माल यातायात की मात्रा तथा दूसरी रेलों के आमानों अथवा होम लाइन की विभिन्न आमानों से प्राप्त माल यातायात की मात्रा और उस रेलवे/आमानों से गुजरने वाले माल की मात्रा का द्योतक है।

18. **प्रारंभिक टन :** इसमें प्रत्येक आमान पर प्रारंभ होने वाले समस्त यातायात के टन शामिल है, चाहे वह उसी आमान पर समाप्त होता है चाहे स्वक्षेत्रीय लाइन के किसी दूसरे आमान पर अथवा किसी दूसरी रेलवे पर।

19. **समापक टन :** इसमें एक आमान पर समाप्त होने वाले समस्त यातायात के टन शामिल है, चाहे वे स्वक्षेत्रीय लाइन से प्रारंभ हुए हो अथवा अन्य रेलों से ।

20. **गाडी इंजन घंटे :** इसके अंतर्गत उतने घंटे दिखाए जाएंगे, जितने घंटे कि इंजन गाडियों में लगे रहे, प्रत्येक मामले में इन घंटों की गणना इंजन के साथ रवाना होने के समय से उस स्टेशन पर पहुंचने के समय तक की जाएगी जिस स्टेशन पर कि गाडी के साथ ही इंजन की यात्रा भी ख़त्म हो जाती है।

21. **मालडिब्बे का लदान आवर्तन :** किसी मालडिब्बे के दो क्रमिक लदानों के बीच की समय का अंतराल ।

22. संचालन **व्यय :** यातायात के लिए खोली गई लाइनों के प्रशासन, परिचालन, अनुरक्षण और मरम्मत के संबंध में किया गया खर्च । इसमें प्रतिस्थापना और नवीकरण की लागत पूरी करने के लिए पेंशन निधि में विनियोजन और मुल्यहास आरक्षित निधि में किया गया अंशदान भी शामिल है ।

(क) सकल संचालन व्यय : किसी लेखा अवधि में उचित व्यय, वस्तुतः चुकाया गया हो अथवा नहीं।

(ख) सामान्य संचालन व्यय : मुल्यहास आरक्षित निधि एवं पेंशन निधि के विनियोजन को छोडकर, मुख्य शीर्ष के अंतर्गत बुक किए गए व्यय ।

GLOSSARY OF COMMON TERMS USED IN RAILWAY STATISTICS

1. **Capital Outlay-** Expenditure of capital nature incurred during the period with the object of increasing concrete assets of a material character.
2. **Cross traffic-** All traffic which neither originates nor terminates on the reporting Railway or on the same section of a gauge for which the return is being prepared.
3. **Density –** The volume of traffic moving between any two points on the Railway system. It is expressed in terms of passenger kilometers or net tonne kilometres and train kilometres per running track kilometer or route kilometer.
4. **Engine Kilometre –** is the movement of an engine, under its own power, over a distance of one kilometer.
5. **Funds of Railways –** The principal heads under which the funds of Railway are furnished are-

a) **Depreciation Reserve Fund –** The fund intended to finance the cost of new assets and replacements of old assets as and when needed including the cost of any improved features that such new assets may have. This fund was instituted from 1st April, 1924.

b) **Pension Fund –** The fund created to meet the expenses on payment of pension, family pension and death-cum-retirement gratuity. This fund created w.e.f. 1st April, 1964.

c) **Capital Fund –** Created in 1992-93, this fund is used to part finance the works of capital nature including payment of principle component of lease hire charges.

d) **Development Fund –** The fund created to meet the expenditure on amenities for the users of Railway transport, staff welfare, un-remunerative operating improvements works beyond certain financial limits and safety works. This fund was created w.e.f. 1st April, 1950.

e) **Debt Service Fund –** was created in 2013-14 with the sole purpose of providing for future debt service obligations in respect of loans from JICA, World Bank and for future implementation of Pay Commissions. This Fund has been created in the interest bearing section of Public Account. Appropriation to this Fund is made from the 'Net Revenue', after meeting the mandatory requirements of Capital Fund and Development Fund.

f) **Railway Safety Fund –** has been created with effect from 01.04.2001. This Fund was created for financing works relating to conversion of unmanned level crossings and for construction of road over/under bridges at busy level crossings. However, of late other infrastructure related expenditure have also been allowed to be incurred from this fund. The Fund is financed mainly through transfer of funds by the Central Government from the Central Road Fund. Apart from this, amounts can also be appropriated out of Railway revenues.

g) **Rashtriya Rail Sanraksha Kosh –** Created in 2017-18, this is a dedicated fund for meeting capital expenditure on safety related Railway works including renewal and replacement of Railway assets in a time bound manner. The fund is to be financed from budgetary support provided by the General exchequer besides the internal resources of the Railway.

6. **Gross Tonne Kilometer (excluding weight of engine) –** Unit of measure of work which corresponds to the movement over a distance of one kilometer of one tonne of vehicle/wagon and contents excluding the weight of the motive unit.
7. **Gross Tonne Kilometer (including weight of engine) –** Unit of measure of work which corresponds to the movement over a distance of one kilometer of one tonne of vehicle/wagon and contents including the weight of the motive unit.

8. **Kilometrage-**

a) **Route Kilometrage –** The distance of each gauge owned by a Railway including its worked lines treated as a single line.

b) **Running track kilometrage –** Route kilometrage plus extra distance of multiple tracks i.e. double, treble, etc., treated as two, three or more tracks but shall exclude the track in sidings, yards and crossings at stations.

c) **Total track kilometrage –** Distance of each gauge owned by a Railway including its worked lines treated as single line and the extra distance due to double, treble, etc. tracks, as also the length of sidings, yards and crossing at stations.

d) **Equated track kilometrage –** Kilometrage of track equated to a standard unit by giving weightage for factors of traffic density, gradient, formation of soil, alignment (curves), rainfall and track connections and layouts.

e) **Mean kilometrage –** The length of the Railway track, calculated according to the definition of route kilometrage, allowing for changes in the kilometrage during the period covered. Thus, the mean kilometrage worked during a year which has had an addition/closing during the year, will be as follows:-

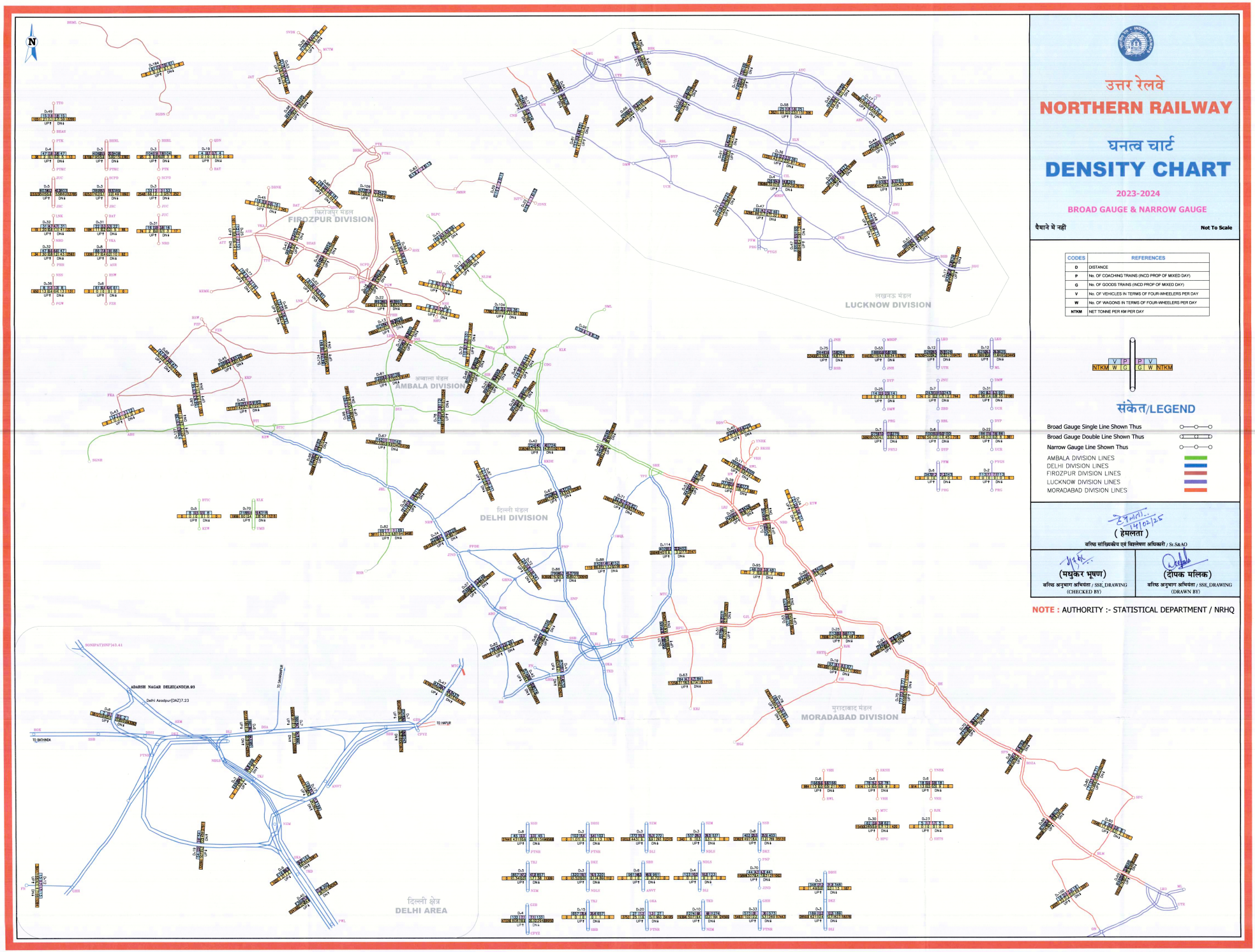
i) Route kilometrage at the commencement of a year (plus/minus);

ii) (Number of days the new section/section closed was in use during the year) multiplied by (the length of the new section/section closed) and divided by (the number of days in the year).

9. **Net Revenue –** The difference between Gross earnings and the Working Expenses and other Net Miscellaneous Expenditure.
10. **Net tonne kilometer –** Unit of measure of goods traffic which represents the transport of one tonne of goods (including the weight of any packing, but excluding the weight of the vehicle used for transport) over a distance of one kilometer.
11. **Occupation ratio –** is the ratio utilizing carrying capacity of the coaches. This is worked out separately for upper and lower class accommodation. This index is compared with the average carrying capacity per coach and would denote under-crowding or over-crowding in the coaches.
12. **Operating Ratio –** The ratio of Working Expenses (excluding Suspense but including Appropriation to Depreciation Reserve Fund and Pension Fund) to Gross Earnings.
13. **Passenger carried –** refers to the number of passengers originating on each gauge of the home line, as well as the number of passengers received on the gauge from other Railway, or from a different gauge of home line and also those crossing the gauge.
14. **Passenger kilometer –** Unit of measure of passenger traffic corresponding to the conveyance of a passenger over a distance of one kilometer.
15. **Rolling Stock –** All Railway tractive and transport vehicles, including travelling cranes.
16. **Seat Kilometre –** Unit of measure of the carrying capacity of a passenger vehicle which is equivalent to the movement of one seat available in a coach or motor vehicle over a distance of one kilometer.
17. **Tonnes Carried –** This represents the quantum of goods originating on each gauge of the home line, as well as the quantum of goods received on the gauge from other Railways or from different gauges of the home line and also those crossing the Railway/gauge.
18. **Tonne Originating –** includes tonnes of all traffic originating on each gauge, whether it terminates on the gauge itself or on some other gauge of the home line, or on other Railways.
19. **Tonnes Terminating –** includes tonnes of all the traffic terminating on the gauge whether they originated on the home line or on other Railways.

20. **Train Engine Hours –** are to show the hours during which engines are employed on trains, counting in each case from the time the engine starts with the train, until it reaches the station at which the engine terminates its run with the train.
21. **Turn Round of a Wagon –** The interval of time between two successive loadings of a wagon.
22. **Working expenses –** Expenditure incurred in connection with the administration, operation, maintenance and repairs of lines opened for traffic. This also includes Appropriation to Pension Fund and the contribution made to the Depreciation Reserve Fund to meet the cost of replacements and renewals.

a) **Gross Working expenses –** True expenses in an accounting period whether or not actually disbursed.
b) **Ordinary working expenses -** Expenses booked under final heads, excluding Appropriation to Depreciation Reserve Fund and Pension Fund.


उत्तर रेलवे
NORTHERN RAILWAY
घनत्व चार्ट
DENSITY CHART
2023-2024
BROAD GAUGE & NARROW GAUGE
पैमाने मे नही
Not To Scale
CODES
REFERENCES
D DISTANCE
P No. OF COACHING TRAINS (INCD PROP OF MIXED DAY)
G No. OF GOODS TRAINS (INCD PROP OF MIXED DAY)
V No. OF VEHICLES IN TERMS OF FOUR-WHEELERS PER DAY
W No. OF WAGONS IN TERMS OF FOUR-WHEELERS PER DAY
NTKM NET TONNE PER KM PER DAY
V P P V
NTKM W G G W NTKM
संकेत/LEGEND
Broad Gauge Single Line Shown Thus
Broad Gauge Double Line Shown Thus
Narrow Gauge Line Shown Thus
AMBALA DIVISION LINES
DELHI DIVISION LINES
FIROZPUR DIVISION LINES
LUCKNOW DIVISION LINES
MORADABAD DIVISION LINES
(हेमलता)
वरिष्ठ सांख्यिकीय एवं विश्लेषण अधिकारी / Sr.S&AO
(मधुकर भूषण)
वरिष्ठ अनुभाग अभियंता / SSE_DRAWING
(CHECKED BY)
(दीपक मलिक)
वरिष्ठ अनुभाग अभियंता / SSE_DRAWING
(DRAWN BY)
NOTE : AUTHORITY :- STATISTICAL DEPARTMENT / NRHQ
फिरोजपुर मंडल
FIROZPUR DIVISION
अम्बाला मंडल
AMBALA DIVISION
दिल्ली मंडल
DELHI DIVISION
लखनऊ मंडल
LUCKNOW DIVISION
मुरादाबाद मंडल
MORADABAD DIVISION
दिल्ली क्षेत्र
DELHI AREA