

**RVNL**  
IN US YOU TRUST

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**Rail Vikas Nigam Limited**

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**रेल विकास निगम लिमिटेड**  
**Rail Vikas Nigam Limited**  
गुणवत्ता, गति एवं पारदर्शिता  
(A Government of India Enterprise)

**Reformed, Performed  
& Transforming...**



गुणवत्ता, गति और पारदर्शिता  
Quality, Speed and Transparency





**(Pradeep Gaur)**

Chairman & Managing Director

## “ Chairman's Message

Dear Esteemed Readers,

It is my honor to present this Coffee Table Book, a rich tapestry of our company's legacy and remarkable milestones that define our journey. As you turn each page, you will traverse the story of our unwavering commitment to shaping the future through innovative effort.

RVNL's evolution is not merely a chronicle of projects and achievements; it is a narrative of vision and perseverance, of dreams transformed into reality. This book is a celebration of our shared endeavors, where every infrastructure project is a testament to our passion for excellence and our dedication to enhancing the infrastructure for the nation.

Behind every structure, every roadway and every development lie the tireless efforts of our extraordinary team and the steadfast support of our partners and stakeholders. It is this collective spirit that has driven us to push boundaries and set new benchmarks in the industry.

As you explore the pages of this book, I invite you to reflect on the values that have guided us and the milestones that have inspired us. This is more than a reflection of our past; it is a beacon of our future ambitions and a tribute to the collaborative effort that continues to fuel our journey.

Thank you for being an integral part of our story. Together, we build not just infrastructure, but a legacy of progress and innovation.

With warm regards,

**(Pradeep Gaur)**

Chairman & Managing Director



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# ABOUT RVNL

## RVNL at a glance

RVNL has an illustrious legacy spanning over more than two decades. It started with the objective of bridging the infrastructure gap in Indian Railways by fast track execution of Railway projects. After successfully achieving this objective by completing more than 150 Railway projects, and successfully executing new Railway projects under the innovative PPP model by setting up of a number of Special Purpose Vehicles (SPVs), RVNL today has migrated from original mandate of 'rail infra' projects, to the ever expanding opportunities of 'all infra' i.e. from #LocalRailInfra to #GlobalAllInfra. Today, RVNL is fast setting its footprints in all possible infrastructure projects, both within the country and overseas.



## VISION

To build world-class durable infrastructures with the latest technologies and designs following the best quality and safety standards.

## MISSION

To be a leading Construction Company of India with presence in all infrastructure domains, both within the country and outside.



## OBJECTIVES

- To undertake and execute successfully project development, financing and implementation of projects relating to infrastructure of all kind.
- To build, maintain, sustain, project implementation teams, ready to launch execution of projects won, with commitments to timely execution and highest level of technical standards.
- To mobilise financial and human resources for project implementation, timely execution of projects with least cost escalation. To maintain a cost-effective organisational setup.
- To foster a culture of continuous learning within the Organisation, and to constantly upgrade to innovative technologies and collaborative practices, in order to build and sustain a future-ready work force and managerial platform.
- To permeate a philosophy of sustainability within the Organisation, by a continuous internal conversation with employees, partners, associates and consultants, and to promote professional integrity, mutual trust & care.







# RVNL's History

## From Vision to Vanguard:

### A Legacy of Building Excellent Infrastructure Projects

RVNL was envisioned to meet the surging infrastructure demand back in 2002 by the then Prime Minister Atal Bihari Vajpayee during his historic Independence Day Address. RVNL emerged as the driving force behind the Ambitious National Rail Vikas Yojana (NRVY).

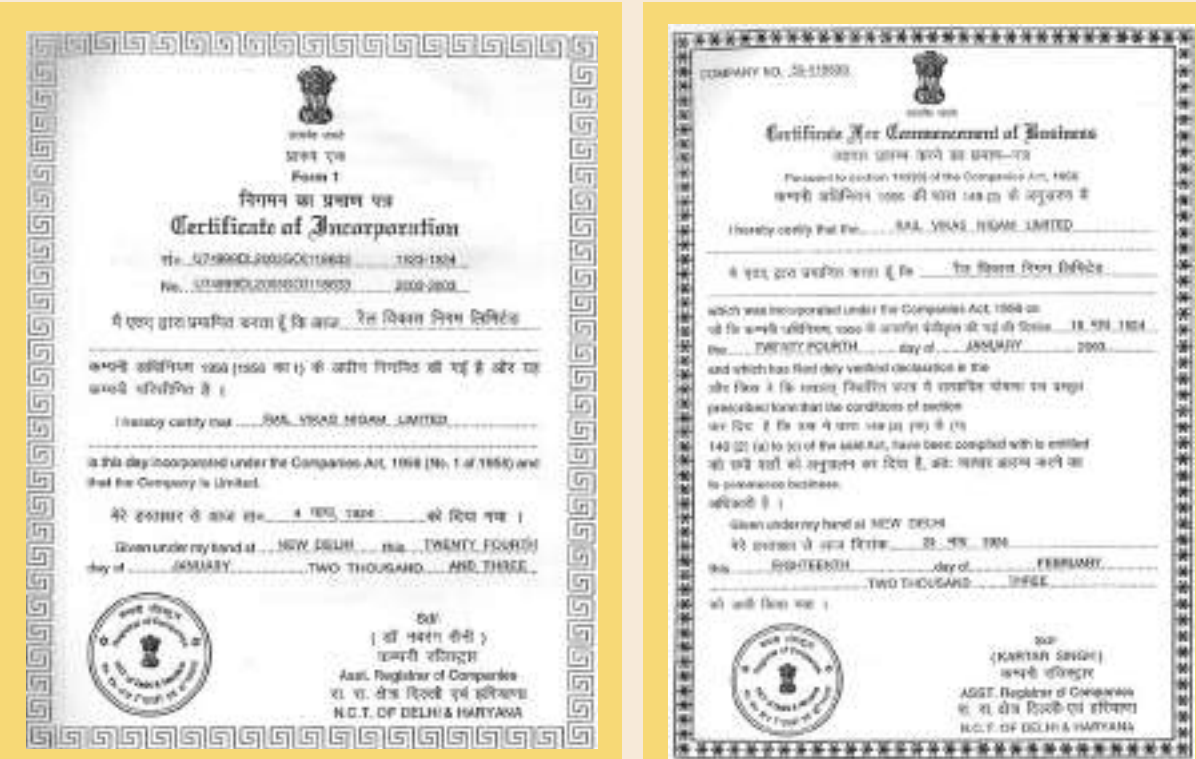
Incorporated in 2003, RVNL embarked on a mission to transform India's Railway landscape. With a two-fold objective - to augment Rail infrastructure capacity and secure additional resources for critical projects, RVNL set out to bridge the gap between potential and progress.

Over the years from #Local RailInfra RVNL has been transformed into #Global All Infra. In September 2013, RVNL received Mini-ratna status and the turnaround happened in May 2023 when we were conferred with 'Navratna' status.





# Certificate of Incorporation & Commencement of Business



### The main objectives of the Company to be pursued by the Company on its Incorporation are:

- To enter into and carry on business relating to creation and augmentation of capacity of Rail infrastructure including the Golden Quadrilateral and its Diagonals connecting the four metros and any other project(s) under National Rail Vikas Yojana and any or all activities connected there to:
- i. Plan, design, develop, build, upgrade, convert, modernize, operate and maintain any or all types of Rail infrastructure;
  - ii. Construction of new Railway lines, doubling, laying of multiple lines, strengthening of conversion of existing Railway lines;
  - iii. Construction of new Railway bridges, strengthening or rebuilding of existing Railway bridges;
  - iv. Electrification, grade separation of level crossings, construction of freight bye pass, creation and augmentation of passenger/freight terminals;
  - v. Construction of workshops, repair shops, running sheds, and maintenance facilities;
  - vi. Provision of modern signalling and telecommunication systems, train control systems, safety and disaster management systems; and
  - vii. Upgrading of track, rolling stock and terminals for running high speed freight and passenger trains.

# Footprints

RVNL has a massive reach across the length and breadth of the country. With over 30 Project Implementation Units (PIUs) across India and offices coming up at International locations where projects are being implemented is a testimony to the expansive network that RVNL has managed to create with its sheer hard work and commitment.



### The key parameters of RVNL growth story includes:

Massive Project Implementation, Electrification Projects, Modernization and Upgradation, Public Private Partnerships (PPP), Metro & Urban Transport Projects, Capacity Building, Sustainability Initiatives and International Projects.

## MoU Performance

Department of Public Enterprises (DPE) for the 13th consecutive year in 2022-23 has ranked RVNL as 'Excellent' for its commendable work. RVNL got a score of 96.0 out of 100 marks. The grading achieved by your company was 2nd highest among Railway CPSEs.

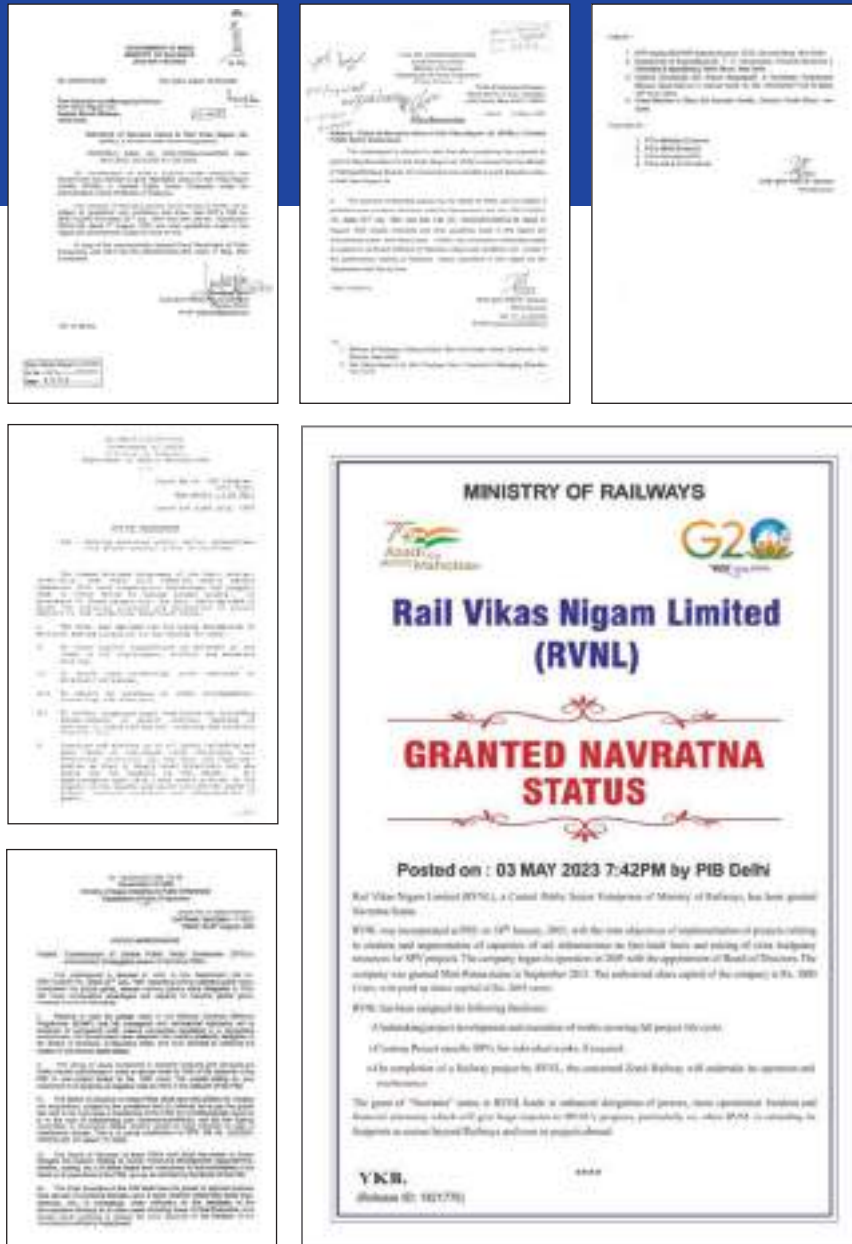


# Navratna Status

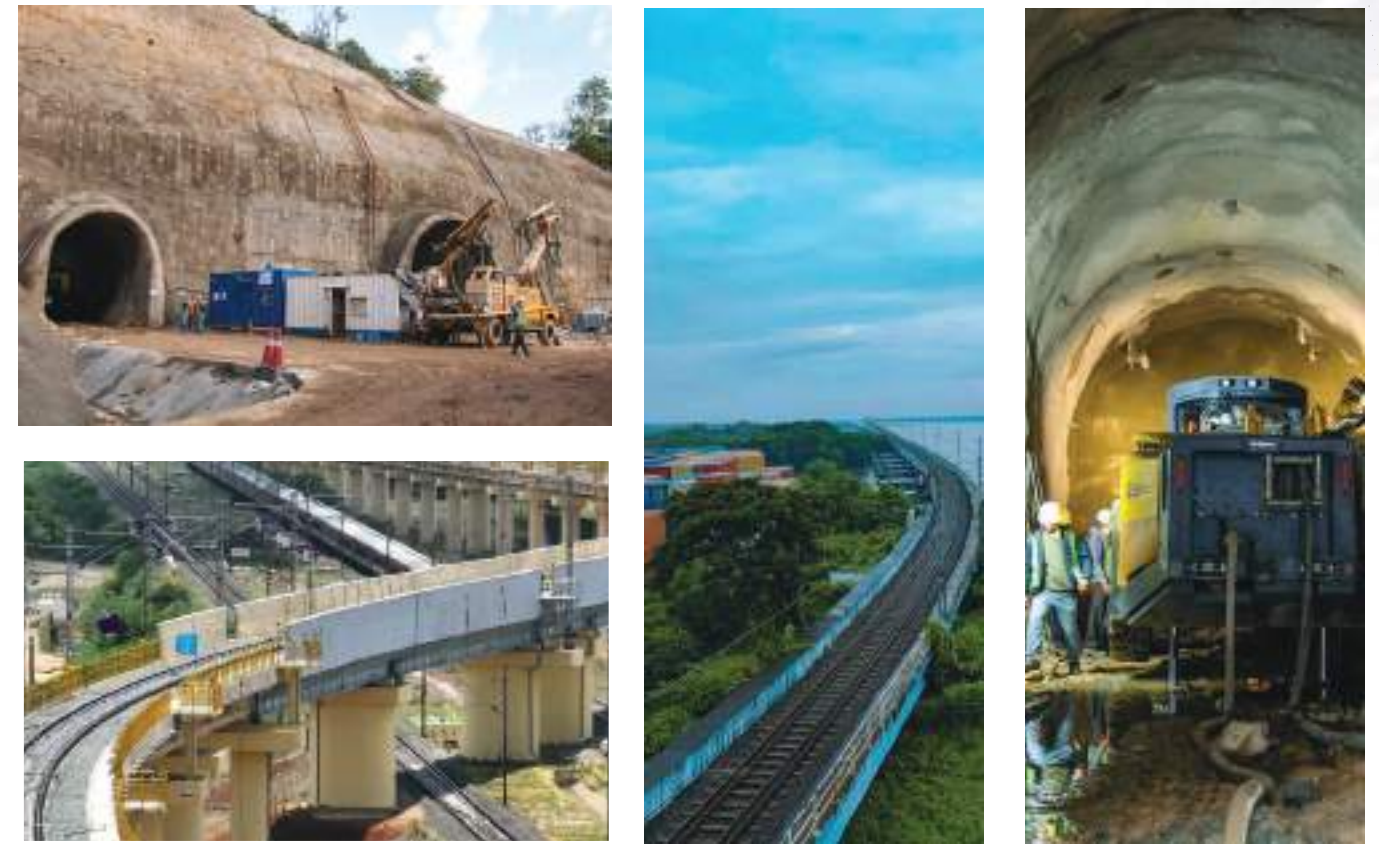
## A Gemstone Achieved : RVNL's Ascent to Navratna Status

**Rail Vikas Nigam Limited (RVNL)** etched a significant milestone in its history in May 2023 with the coveted Navratna status by the Government of India. This prestigious recognition marks a culmination of RVNL's unwavering commitment to excellence and its pivotal role in transforming the infrastructure landscape across India and abroad as well.

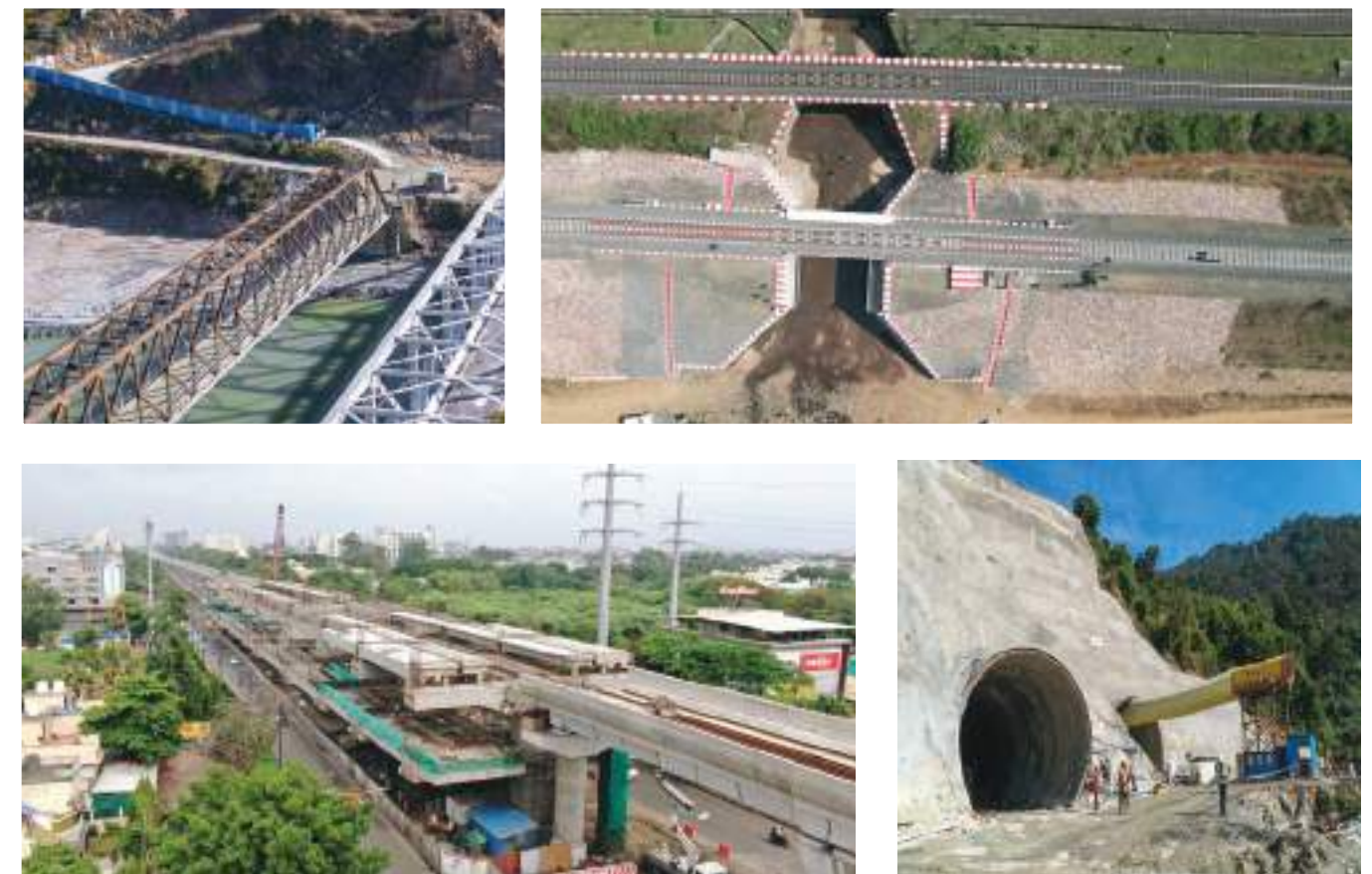
The Navratna status empowers RVNL with greater operational freedom and financial autonomy. This enhanced delegation of power will allow the company to make faster decisions, streamline processes, and undertake more ambitious projects. It also signifies the government's trust in RVNL's leadership and its vision for the future.



The Navratna status serves as a springboard for RVNL's continued growth. The company is well-positioned to leverage its expertise and new found operational flexibility to not only strengthen India's Railway infrastructure but also explore opportunities beyond the domestic market. This achievement marks a new chapter for RVNL, solidifying its position as a leading force in India's infrastructure development and propelling it towards a future brimming with possibilities.



## ACHIEVEMENTS & PROVEN EXPERTISE

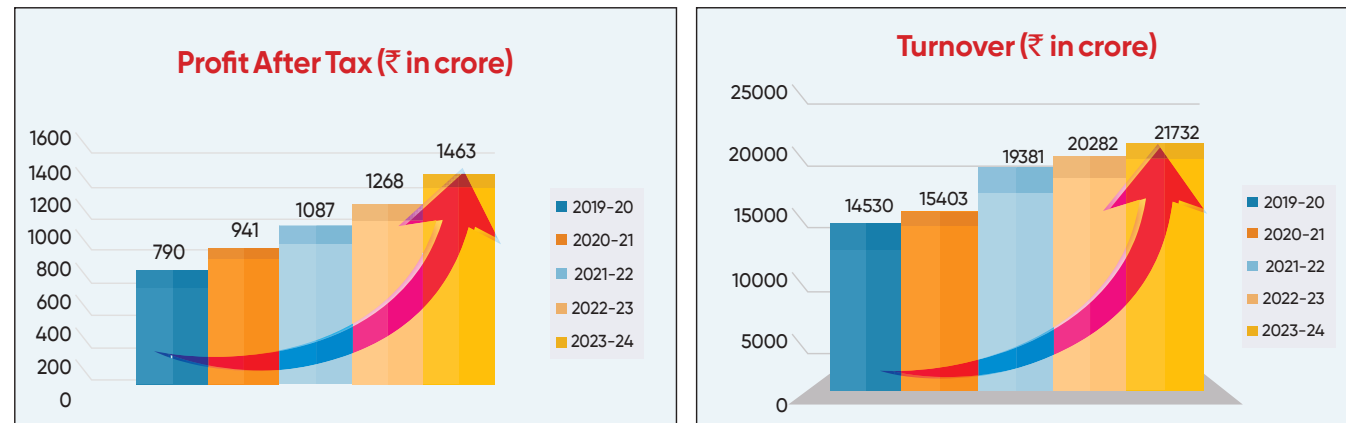




## Financial Performance

In 2023-24, RVNL increased its expenditure on project execution from Rs. 20,281.57 crore to Rs. 21732.58 crore, this excludes the element of Rs. 3911.93 crore as GST.

Profit Before Tax increased from Rs. 1644.38 crore in 2022-23 crore to Rs. 1939.40 crore and Profit After Tax (PAT) of the Company is at Rs. 1462.95 crore, showing an increase of 15.38 % over the previous year.



## Physical performance

### Doubling / New Line / Gauge Conversion:

RVNL has so far completed more than 150 projects including Doubling, New Line, Gauge Conversion, Electrification, Workshops etc. listed below:-

S. No.	Railway	Project Name	Type of Project	Length (km)
1.	Central Railway	Diva - Kalyan 5th & 6th Line	Doubling	11
2.	Central Railway	Pakni - Mohol Doubling	Doubling	17
3.	Central Railway	Panvel - Jasai JNPT Doubling	Doubling	28.5
4.	Central Railway	Pakni - Solapur Doubling	Doubling	16.28
5.	Eastern Railway	Gurup - Saktigarh Extn of 3rd Line	Doubling	26
6.	East Central Railway	Barauni - Tilrath Bypass Doubling	Doubling	8.3
7.	East Coast Railway	Talcher-Cuttack-Paradeep Doubling with 2nd Bridge on Rivers Birupa & Mahanadi	Doubling	3
8.	East Coast Railway	Jakhapura- Haridaspur 3rd Line	Doubling	23.3
9.	East Coast Railway	Cuttack - Barang Doubling	Doubling	14.3
10.	East Coast Railway	Rajatgarh-Barang Doubling	Doubling	31.3
11.	East Coast Railway	Khurda-Barang - 3rd line (35 km)	Doubling	32.32
12.	East Coast Railway	Sambalpur-Titlagarh (182 km)	Doubling	182.00
13.	Northern Railway	New Delhi-Tilak Bridge- 5th & 6th line (2.65 km)	Doubling	2.65
14.	Northern Railway	Utraitia-Raebareli (65.6 km)	Doubling	68.04
15.	Northern Railway	Raebareli-Amethi (60.1 km)	Doubling	59.00
16.	North Central Railway	Palwal - Bhuteswar 3rd Line	Doubling	81
17.	North Central Railway	Aligarh - Ghaziabad 3rd Line	Doubling	106.1
18.	North Western Railway	Bhagat Ki Kothi - Luni Doubling	Doubling	30.3
19.	North Western Railway	Karjoda - Palanpur Doubling	Doubling	5.4
20.	North Western Railway	Rewari- Manheru Doubling	Doubling	69.02
21.	North Western Railway	Rani-Keshav Ganj Doubling	Doubling	59.5
22.	North Western Railway	Abu Road-Sarotra Road- Patch doubling (23.12 km)	Doubling	23.12
23.	North Western Railway	Swaruganj-Abu Road - Patch doubling (25.36 km)	Doubling	25.36

S. No.	Railway	Project Name	Type of Project	Length (km)
24.	North Western Railway	Sarotra Road-Karjoda - Patch doubling (23.59 km)	Doubling	23.59
25.	Southern Railway	Attipattu - Korukkupet 3rd Line	Doubling	18
26.	Southern Railway	Pattabiram - Tiruvallur 4th Line & Tiruvallur - Arakkonam 3rd Line	Doubling	41.89
27.	Southern Railway	Tiruvallur - Arakkonam 4th Line	Doubling	28
28.	Southern Railway	Villipuram-Dindigul Doubling	Doubling	273
29.	Southern Railway	Thanjavur-Ponmalai - Doubling	Doubling	46.96
30.	South Central Railway	Pullampet - Balapalle Ph I of Gooty - Renigunta Doubling	Doubling	41
31.	South Central Railway	Krishnapatnam - Venkatachalam Doubling with RE	Doubling	16.5
32.	South Central Railway	Gooty - Renigunta Patch Doubling	Doubling	151
33.	South Central Railway	Raichur - Guntakal Doubling	Doubling	81.0
34.	South Central Railway	Guntur-Tenali - Doubling with electrification (24.38 km)	Doubling	25
35.	South Central Railway	Vijaywada-Gudivada- Bhimavaram-Narasapur, Gudivada-Machlipatnam and Bhimavaram- Nidadavolu (221 km) - Doubling with electrification	Doubling	221.00
36.	South Central Railway	Secunderabad (Falaknuma)-Mehbubnagar doubling	Doubling	85.70
37.	South Eastern Railway	Tikiapara - Santragachi Doubling	Doubling	5.6
38.	South Eastern Railway	Panskura - Kharagpur 3rd Line	Doubling	45
39.	South Eastern Railway	Panskura - Haldia Ph 1 Doubling	Doubling	14
40.	South Eastern Railway	Rajgoda - Tamluk (Jn. Cabin) Doubling	Doubling	13.5
41.	South Eastern Railway	Tamluk Jn. Cabin - Basulya Sutahata Doubling	Doubling	24.23
42.	South Eastern Railway	Goelkera-Monoharpur 3rd line (40 km)	Doubling	27.5
43.	South East Central Railway	Bilaspur - Urkura 3rd Line Doubling	Doubling	105
44.	South East Central Railway	Salka Road- Khongsara Patch Doubling	Doubling	26
45.	South East Central Railway	Khodri-Anuppur, with Flyover at Bilaspur (61.6 km)	Doubling	61.6
46.	South Western Railway	Hospet - Guntakal Doubling	Doubling	115
47.	West Central Railway	Bhopal-Bina - 3rd line (143 km)	Doubling	144.3
48.	West Central Railway	Itarsi-Budni - 3rd line (25.090 km)	Doubling	25.09
49.	West Central Railway	Barkhera-Habibganj - 3rd line (41.420 km)	Doubling	41.2
50.	West Central Railway	Bina-Kota (282.66 km) with RE	Doubling	282.66
51.	North Western Railway	Delhi - Rewari Gauge Conversion	GC	94.2
52.	North Western Railway	Ajmer - Phulera - Ringus - Rewari Gauge Conversion	GC	295
53.	North Western Railway	Bhildi - Samdari Gauge Conversion	GC	223
54.	Southern Railway	Thanjavur - Villupuram Gauge Conversion	GC	192
55.	Southern Railway	Cuddalore - Salem Gauge Conversion	GC	193
56.	South Western Railway	Arasikere-Hassan-Mangalore Gauge Conversion	GC	230
57.	Western Railway	Bharuch - Samni - Dahej Gauge Conversion	GC	62
58.	Western Railway	Gandhidham - Palanpur Gauge Conversion	GC	301
59.	Western Railway	Ahmedabad-Botad (170.48 km)	GC	166.09
60.	Western Railway	Dhasa-Jetalsar (104.44 km)	GC	106.69
61.	East Coast Railway	Daitari - Banspani New Line	New Line	155
62.	East Coast Railway	Haridaspur-Paradeep (82 km)	New Line	82
63.	Southern Railway	Vallarpadam - Idapally New Line	New Line	9
64.	South Central Railway	Obulavaripalle- Krishnapattnam (113 km)	New Line	121
65.	Railway Electrification	Tomka -Banspani - RE	RE	144
66.	Railway Electrification	Kharagpur (Nimpura) - Bhubaneswar Including Branch Line of Talcher - Cuttack - Paradeep	RE	581
67.	Railway Electrification	Bhubaneswar - Kottavalasa	RE	417
68.	Railway Electrification	Daund-Manmad Incl. Puntamba- Shirdi - RE	RE	255
69.	Railway Electrification	Reningunta - Guntakal RE	RE	308
70.	Railway Electrification	Yelahanka - Dharmavaram - Gooty RE	RE	306
71.	Railway Electrification	Bharuch - Samni - Dahej RE	RE	64
72.	Railway Electrification	Manheru- Hissar RE	RE	74
73.	Railway Electrification	Jakhal - Hissar (79 km)	RE	80.0
74.	Railway Electrification	Chhapra-Ballia-Ghazipur-Varanasi-Allahabad RE (330 km)	RE	330
75.	Railway Electrification	Guntakal-Kalluru RE (40 km)	RE	40
76.	Railway Electrification	Utretia - Rae Bareli - Amethi - Janghai RE (214 km)	RE	214
77.	Railway Electrification	Daund-Baramati (44 km)	RE	44
78.	Railway Electrification	Amla-Chhindwara-Kalumna	RE	257
79.	Railway Electrification	Raipur-Titlagarh (203 km) {Part of Vizianagaram - Rayagada - Titlagarh - Raipur (465 km)}	RE	203



S. No.	Railway	Project Name	Type of Project	Length (km)
80.	Railway Electrification	Rajpura - Dhuri - Lehra Mohabat (151 km)	RE	151
81.	Railway Electrification	Guntakal - Bellary - Hospet incl. Tornagallu - Ranjitpura Branch Line (138 km)	RE	138
82.	Railway Electrification	Wani- Pimpalkutti RE (66 km)	RE	66
83.	Railway Electrification	Manoharabad- Medchal (14 km)	RE	14
84.	Railway Electrification	Yalahanka-Penukonda (120.55 km)-Doubling	RE	-
85.	Railway Electrification	Jakhal - Dhuri - Ludhiana (123 km)	RE	123
86.	Railway Electrification	Guna-Gwalior (227 km)	RE	227
87.	Railway Electrification	Rani-Palanpur 166 km	RE	166
88.	Railway Electrification	Villupuram-Cuddalore Port-Mayiladuturai-Thanjavur & Mayiladuturai-Thiruvavur (228 km)	RE	228
89.	Railway Electrification	Raebareli-Unchahar incl. Dalmau-Daryapur (63 km)	RE	63
90.	Railway Electrification	Raninagar Jalpaigudi-New Bongaigaon - Guwahati (Incl) RE (382 km) (Part of Barauni - Katihar - Guwahati Incl. Katihar - Barsoi (836 km) RE	RE	374.98
91.	Railway Electrification	Chikjajur-Bellary RE (184 km)	RE	183.15
92.	Railway Electrification	Bengaluru-Omalur Via Hosur RE (196 km)	RE	196.00
93.	Railway Electrification	Utratia-Raebareli-Amethi 2nd line RE (126 km)	RE	126.00
94.	Deposit	RE of NTPC siding at Hotgi Station (37 km)	RE	34.41
95.	Central Railway	Latur- Setting up of coach manufacturing factory	WKSP	-
96.	Eastern Railway	Civil Engineering Works in Connection with Diesel Loco Component Factory, Dankuni	WKSP	-
97.	Eastern Railway	Dankuni - Setting Up of Electric Loco Assembly and Ancillary Unit of CLW	WKSP	-
98.	East Central Railway	Barauni - 250 High Horse Power Loco Shed	WKSP	-
99.	East Central Railway	Gaya -Setting up New MEMU car shed for maintaining 30 rakes of 16 coaches	WKSP	-
100.	East Coast Railway	Vadlapudi- Wagon PoH Workshop of 200 Nos Capacity Near Duvvada Station	WKSP	-
101.	North Central Railway	Kanpur - Construction of MEMU Car shed	WKSP	-
102.	North Eastern Railway	Saidpur Bhitri- Setting up of Electric Loco Shed to home 200 Locos	WKSP	-
103.	Northern Railway	Sonipat-Setting up of coach periodical overhauling and refurbishment workshop	WKSP	-
104.	South Eastern Railway	Setting Up of Diesel Multiple Unit (DMU) Manufacturing Factory at Sankrail/ Haldia	WKSP	-
105.	DLW	Varanasi - Augmentation of Production Capacity from 200 To 250 High HP Locos Per Year	WKSP	-
106.	North Eastern Railway	Aunrihar - DEMU Shed	WKSP	-
107.	South Central Railway	Workshop for Manufacture of Flat Bogies for LHB Design Coaches, Yadgir	WKSP	-
108.	METKOL	MM of Existing Corridor Noparanagar-Baranagar- Daksineshwar	MTP	4.14
109.	Eastern Railway	Barddhaman Yard - 4-lane road over bridge in lieu of 2-lane road over bridge No. 213	ROB	-
110.	Southern Railway	Srirangam-Tiruchchirapalli Town - 4-lane road over bridge in lieu of 2- lane bridge No.380-A	ROB	-
111.	North Western Railway	IOC Siding at Salawas (Deposit Work)	Others	2.82
112.	South Central Railway	Secunderabad- Upgradation of facilities at Centralised Training Academy for Railway Accounts	TRG	-
113.	South Central Railway	Moula Ali - Setting Up of Indian Railway Institute of Finance Management	TRG	-
114.	South Central Railway	Lallaguda (Carriage Workshop)- Replacement of 100-Year-Old Administrative Building	OSW	-
115.	North Western Railway	Madar - Palanpur - Removing of PSR (Kms 589/1 to 590/1)	Track Renewal	-
116.	North Central Railway	Jhansi-Garhmau, Orai-Ata, Ata-Kalpi & Pokhrayan- Lalpur - Splitting of longer block sections	TF	-
117.	North Central Railway	Paman-Bhimsen - New B-class station	TF	-
118.	Western Railway	Sabarmati-Botad-subways in lieu of level crossing-23 Nos.	RSW	-
119.	Western Railway	Sabarmati-Botad-Subways in lieu of LCs-14 Nos.	RSW	-
120.	Western Railway	Dhasa-Jetalsar-Subways in lieu of Level Crossing-35 Nos.	RSW	-
121.	North Central Railway	Bhimsen-Jhansi (206 km) with RE	Doubling	206
122.	CR & SCR	Daund- Gulbarga- Doubling (224.9 km) and Pune- Guntakal -Electrification (641.37 km)	Doubling	224.9
123.	Western Railway	Palanpur- Samakhiali (247.73 km)	Doubling	247.3
124.	East Coast Railway	Raipur-Titlagarh (203 km)	Doubling	203
125.	East Coast Railway	Angul- Sukinda Road (98.7 km)	New Line	95

S. No.	Railway	Project Name	Type of Project	Length (km)
126.	Eastern Railway	Ranaghat (EMU Car Shed)-Inspection bay for 15 coach maintenance facilities	WKSP	-
127.	Eastern Railway	Jheel Siding Coaching Depot- Infrastructure development	WKSP	-
128.	North Central Railway	Jhansi-Setting up of coach periodic overhauling and refurbishment workshop	WKSP	-
129.	North Eastern Railway	Dullahapur Yard - Provision of tower wagon periodic overhauling shed	WKSP	-
130.	South Western Railway	New Station Building at Belgaum	OSW	-
131.	South Western Railway	Second Entry Station Building at Belgaum	OSW	-
132.	South Western Railway	Proposed Coaching Depot at Belgaum	OSW	-
133.	South Western Railway	Yard Remodelling Works at Belgaum	OSW	-
134.	East Coast Railway	RE of Sambalpur-Titlagarh Doubling project (96.596 km)	RE	96.60
135.	Western Railway	Palanpur-Samakhiali (247.73 km) RE	RE	247.73
136.	Deposit	Electrification of IOCL Siding at Pakni (4 km)	RE	4.15
137.	Deposit	Electrification of Ultra Tech Cement Siding at Hotgi (8 km)	RE	9.75
138.	Deposit	Electrification of Chettinad Cement Siding at Tilati (7.1 km)	RE	5.9
139.	South Central Railway	Umdanagar-Timmapur - New crossing station	TFC	-
140.	Northern Railway	Final Location Survey for New Line Connectivity to Char Dham (327 km)	FLS	-
141.	South Eastern Railway	Banspani -Daitari- Tomka- Jakhapura Doubling (180 km)	Doubling	180 km
142.	East Coast Railway	Khurda- Barang 3rd Line 35 km	3rd line	35 km
143.	South east central Railway	Raipur- Titlagarh Doubling (203 km)	Doubling	203 km
144.	Southern Railway	Madurai- Maniyachi-Tuticorin Doubling (160 km)	RE	160 km
145.	Southern Railway	Maniyachi- Nagercoil Doubling	Doubling	102 km
146.	West central Railway	Barkhera- Budni 3rd line	3rd line	26.115 km
147.	East coast Railway	Angul- Sukinda Road New Line (98.7 km)	New Line	98.7 km
148.	North Eastern Railway	Mau-Gazipur- Tarighat New Line	New Line	51 km
149.	North Eastern Railway	Lucknow- Pilibhit via Sitapur, Lakhimpur (262.76 km)	GC	262.76 km
150.	South central Railway	Hyderabad- Secunderabad - Multi modal transport system (Phase-II)	MTP	101.05Rkm

## ISO CERTIFICATIONS

During 22-23, RVNL has achieved ISO certifications on ISO 9001, ISO 14001 & ISO 45001 for Quality Management System, Environmental Management System & Occupational Health & Safety Management System on 24.03.2023. This Certification is a stamp on the commitment of RVNL as an organization to ensure Quality in all its processes and deliverables, sensitivity towards

environment and providing safe and healthy work environment to all the employees. Apart from this, ISO is also playing an important role in efficiency improvement of your organization. At present, RVNL Corporate office, and 3 PIUs i.e. Rishikesh, Kolkata and agra are covered as part of ISO Certifications and to cover the entire network of RVNL, ISO process is underway.





# SPVs OF RVNL

RVNL has taken the lead for establishing **5 joint venture Special Purpose Vehicles (SPVs)** in partnership with various stakeholders including Ports, Mines, State Governments etc. for implementation of Rail connectivity projects. RVNL has contributed an equity of **1485.7 crore** in its core five SPVs formed under PPP policy of MoR, namely Kutch Railway Company Limited, Krishnapatnam Railway Company Limited, Haridaspur-Paradip Railway Company Limited, Bharuch-Dahej Railway Company Limited and angul Sukinda Railway Limited. It is a matter of absolute satisfaction that all the five projects have been commissioned. These SPVs have generated **Rs.111797.45 crores** revenue for Indian Railways, without any additional investment. In **FY 2023-24**, these SPVs handled **42888** loaded rakes and **90.81 MT** freight loading was handled.

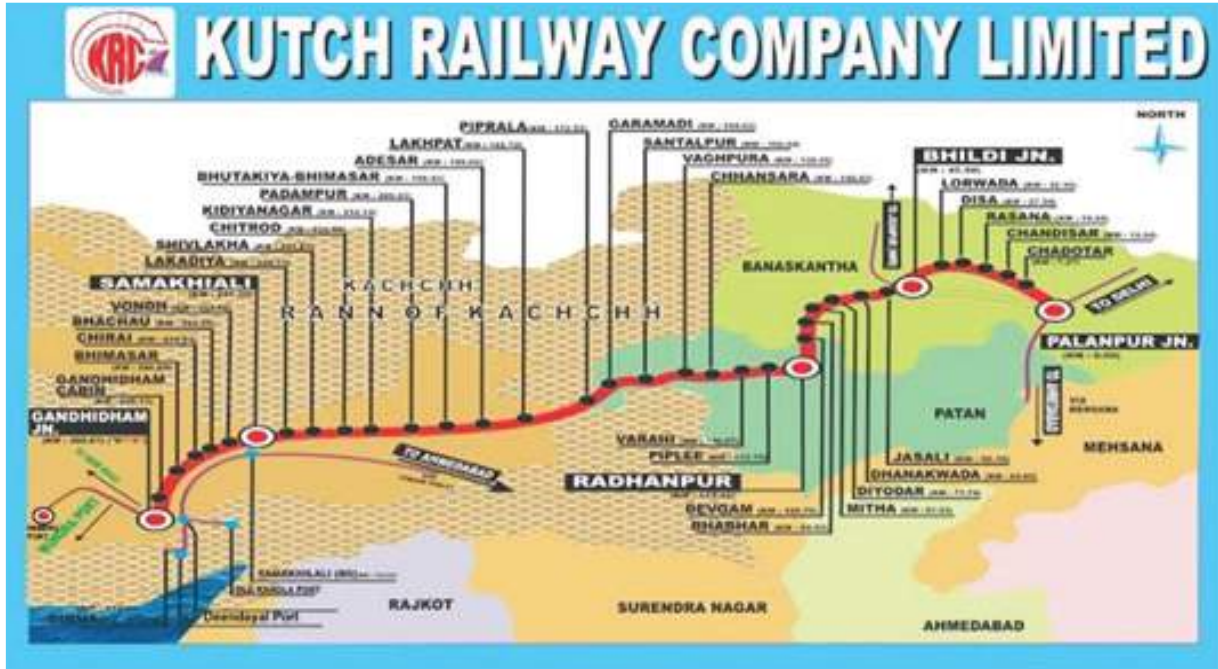
Stakeholders	Equity (in Rs. Crores)	% Share holding
Rail Vikas Nigam Limited	410.50	50.00%
Deendayal Port Authority	213.46	26.00%
Adani Ports & SEZ Limited	164.20	20.00%
Govt. of Gujarat	32.84	4.00%
Total (Rs. Crore)	821.00	100.00%

## ACHIEVEMENTS from JULY 2006 to MARCH 2024

<b>FREIGHT LOADING (MT)</b> <b>556.80</b>	<b>TOTAL REVENUE EARNED (Rs. Cr.)</b> <b>77449.33</b>
<b>SHARE of IR'S REVENUE</b> (Rs. Cr.) <b>66905.95</b>	<b>SHARE of SPV'S REVENUE</b> (Rs. Cr.) <b>10543.38</b>

## 1. Kutch Railway Company Limited

Kutch Railway Company Limited, an SPV of RVNL was incorporated on 22nd of January 2004. It was set up to improve access to and from Mundra and Deendayal ports of Gujarat, by converting Western Railway's 301 km Palanpur – Gandhidham Jn metre-gauge line to broad-gauge. The project was commissioned on 1st July 2006. Major commodities carried on the line include coal, fertilizers, salt, containers and food grains.



## Benefits of the Project

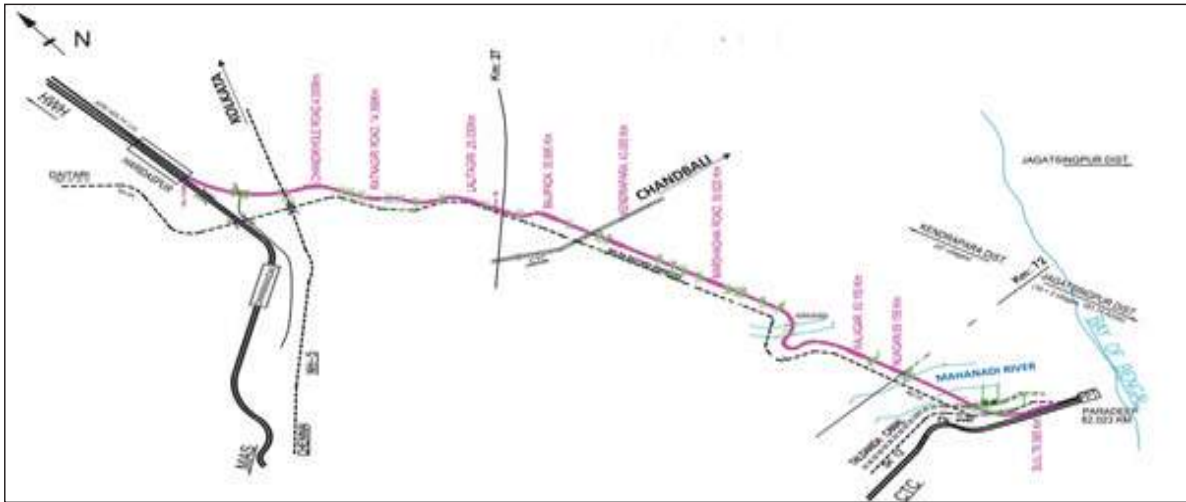
In addition to serving as a feeder route for the Western DFC corridor and a crucial link to the Northern hinterland, KRC provides a quicker and more effective Rail route between the ports of Deendayal (previously known as Kandla port) and Mundra in the state of Gujarat. The SPV line is fit for running of double stack containers.





## 2. Haridaspur Paradip Railway Company Ltd.

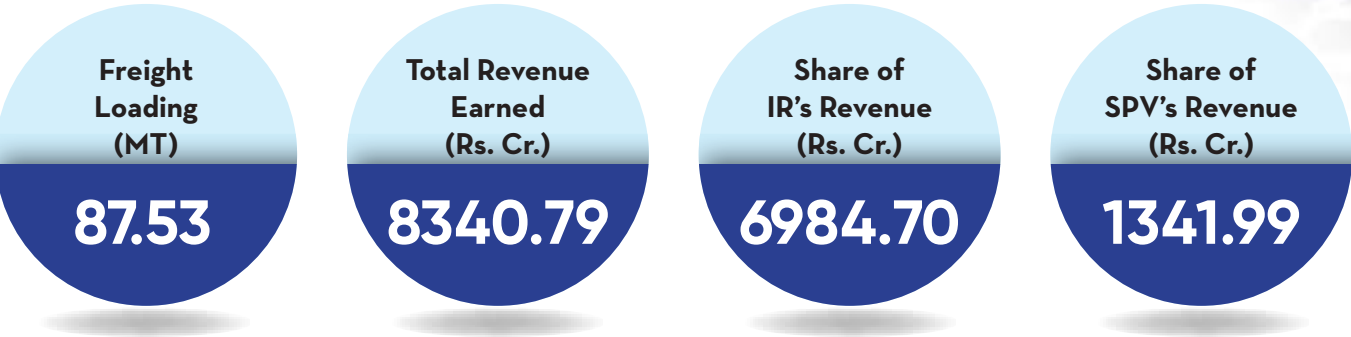
Haridaspur Paradip Railway Company Limited (HPRCL), An SPV of Rail Vikas Nigam Limited, was incorporated on 25th September 2006. HPRCL is formed for the development, financing, construction, operations and maintenance of a new Railway single line link of about 82 km between Haridaspur station on Howrah-Chennai route and Paradip Port. The project line traverses through Jajpur, Kendrapara and Jagatsinghpur districts in the state of Odisha. It was commissioned on 30th July 2020. Major commodities carried on the line include coal, fertilizers and iron ore



### Shareholding Details

Stakeholders	Equity (in Rs. crores)	% Shareholding
Rail Vikas Nigam Ltd.	390.00	30.00%
Sagarmala Development Company Ltd.	336.79	25.91%
Govt. of Odisha	237.79	18.29%
Paradip Port Trust	138.52	10.66%
Orissa Mining Corporation	110.00	8.46%
Essel Mining & Industries Ltd.	30.00	2.31%
Rungta Mines Ltd.	30.00	2.31%
MSPL Ltd.	15.00	1.15%
Jindal Steel Power Ltd.	5.00	0.38%
SteelAuthority of India Ltd.	5.00	0.38%
Odisha Industrial Infrastructure Development Corporation (IDCO)	1.90	0.15%
<b>Total (Rs. Crore)</b>	<b>1300.00</b>	<b>100.00%</b>

## Achievements from October 2020 to March 2024:



### Benefits of the Project

The new Railway connection between Haridaspur and Paradip Port offers an alternative route to connect the port with the mineral-rich Daitari-Banspani region. This new alignment will reduce the distance from Daitari, Banspani region to the Paradip port by approximately 40 km.

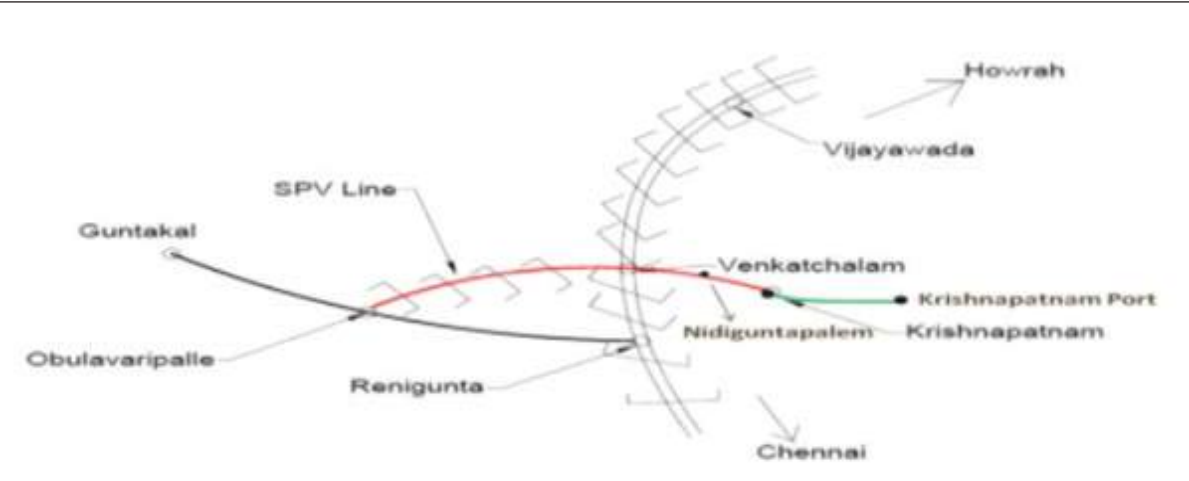




### 3. Krishnapatnam Railway Company Limited

KRCL is an **SPV of RVNL** and was incorporated on **11th October 2006**. The new Railway line from Obulavaripalle to Krishnapatnam has been constructed to provide smooth transport facilities for minerals and industrial goods to and from the Krishnapatnam port.

The complete connectivity was commissioned in **June 2019**. Major commodities carried on the line include coal, limestone, gypsum and fertilizers.



### Shareholding Details

Stakeholders	Equity (in Rs. crores)	% Shareholding
Rail Vikas Nigam Limited	311.00	49.76%
Sagarmala Development Co. Ltd	125.00	20.00%
Adani Krishnapatnam Port Co Ltd	81.00	12.96%
National Mineral Development Corporation Ltd	40.00	6.40%
Govt. of Andhra Pradesh	35.00	5.60%
Bramhani Industries Ltd	33.00	5.28%
Total (Rs. Crore)	625.00	100.00%



### Achievements from November 2008 to March 2024

Freight Loading (MT)	Total Revenue Earned (Rs. Cr.)	Share of IR's Revenue (Rs. Cr.)	Share of SPV's Revenue (Rs. Cr.)
209.02	20045.98	17916.84	2136.72

### Benefits of the Project

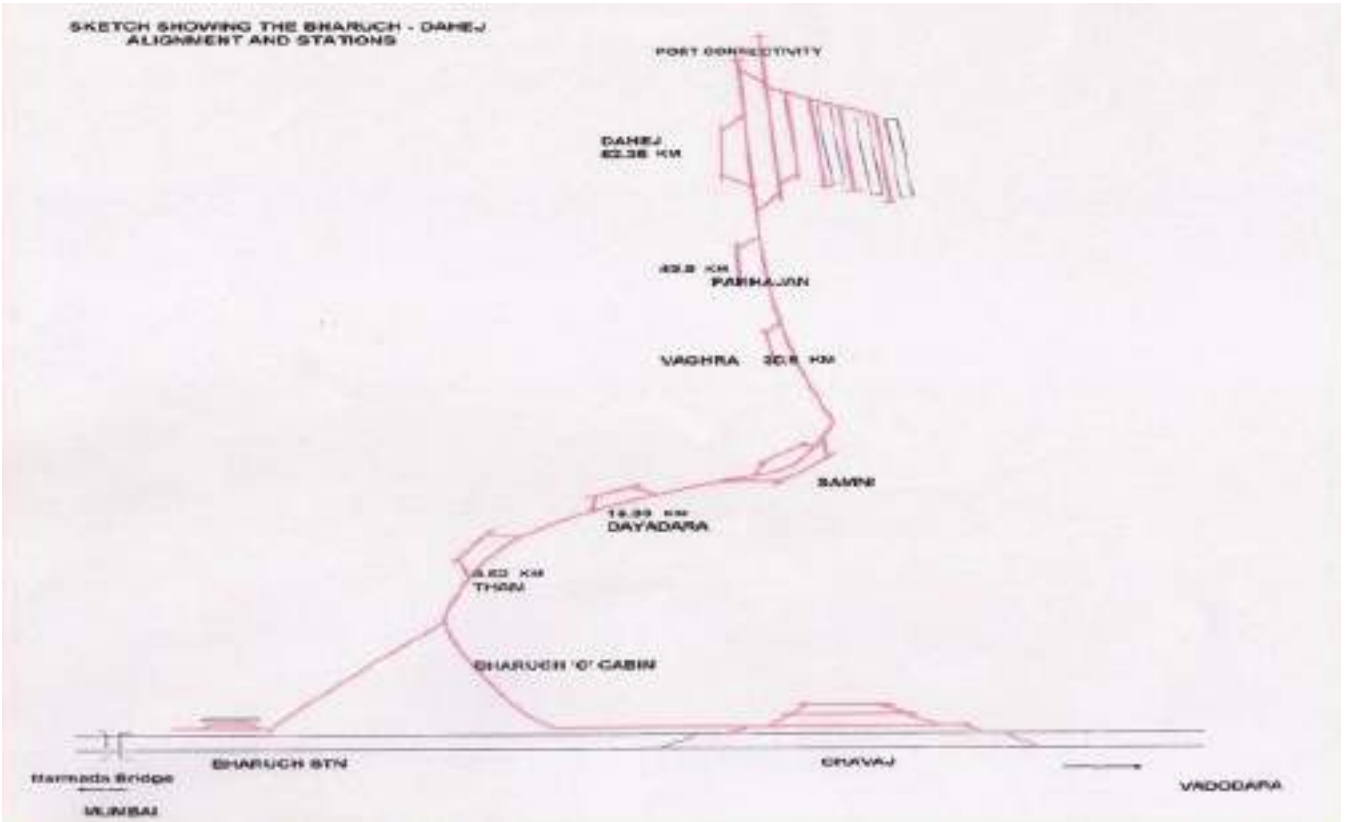
The new Rail line is expected to provide a logistic advantage to Krishnapatnam port, as it serves as the main route from Bellary to Krishnapatnam port facilitating the transportation of iron ore for export. The KRCL line significantly shortens the distance between Krishnapatnam port and Obulavaripalle, there by allowing for faster movement of freight into the region. Earlier, goods needed to be transported via. Gudur and Renigunta stations which had a huge logistic burden. It also serves as the main link for the transportation of raw materials like steel and coal for industrial plants for the Tornagallu region.





## 4. Bharuch-Dahej Railway Company Ltd.

A Special Purpose Vehicle (SPV) of RVNL, the Bharuch Dahej Railway Company Limited (BDRCL) was incorporated on 15th November 2006. It was established with the goal of converting the 61.6 kilometre Narrow Gauge Railway Line between Bharuch and the Port of Dahej in Gujarat to Broad Gauge, which was commissioned on 8th March 2012. Major commodities carried on the line include coal, gypsum and fertilizers.



### Shareholding Details

Stakeholders	Equity (in Rs. crores)	% Shareholding
Rail Vikas Nigam Limited	55.00	35.46%
Gujarat Maritime Board	17.86	11.51%
Gujarat Industrial Development Corporation	17.86	11.51%
Adani Petronet (Dahej) Port Private Limited	17.33	11.17%
Gujarat Narmada Valley Fertilizer Company	13.53	8.72%
Hindalco Industries Limited	13.53	8.72%
Dahej SEZ Limited	10.00	6.45%
Jindal Rail Infrastructure Limited	10.00	6.45%
<b>Total (Rs. Crore)</b>	<b>155.11</b>	<b>100.00%</b>



### Achievements from March 2012 to March 2024

Freight Loading (MT)	Total Revenue Earned (Rs.Cr.)	Share of IR's Revenue (Rs. Cr.)	Share of SPV's Revenue (Rs.Cr.)
55.69	7869.64	7042.32	827.32

### Benefits of the Project

The project holds significance considering the ongoing developments in Dahej. It connects the Dahej port to its hinterland and also connects Dahej to the commercially active Jawaharlal Nehru Port Trust.





## 5. Angul Sukinda Railway Limited

Angul-Sukinda Railway Limited, an SPV of RVNL was incorporated on 20th February 2009. Angul-Sukinda New Line project 104 km was commissioned on 01.03.2023. Major beneficiaries of this line are steel plants in Angul region (transporting iron ore from Banspani and Chromate from Sukinda) and coal based thermal power plants in Sukinda receiving thermal coal from Talcher coal fields. In 2023-24, a total of 3412 loaded rakes were handled on the SPV line also, a TATA steel connectivity is being provided between Duburi station and TATA steel plant at Kalinganar.



## Shareholding Details

Stakeholders	Equity (in Rs. crores)	% Shareholding
Rail Vikas Nigam Limited	319.19	34.06%
Govt. of Odisha	239.47	25.56%
Concor	208	22.20%
Odisha Mining Corporation	106.18	11.33%
Jindal Steel Power Limited	60	6.40%
Odisha Industrial Infrastructure Development Corporation (IDCO)	4.2	0.45%
<b>Total (Rs. Crore)</b>	<b>937.04</b>	<b>100.00%</b>

## Benefits of the Project

This new line has connected Sukinda region to Talcher coal fields and will serve as a linkage to Banspani-Duburi Rail line. This connectivity will provide shorter route and would facilitate faster movement of goods.



# Pamban Bridge



**Pamban Bridge** is an engineering Marvel being constructed by RVNL. Pamban Bridge connects Rameswaram Island with the mainland.

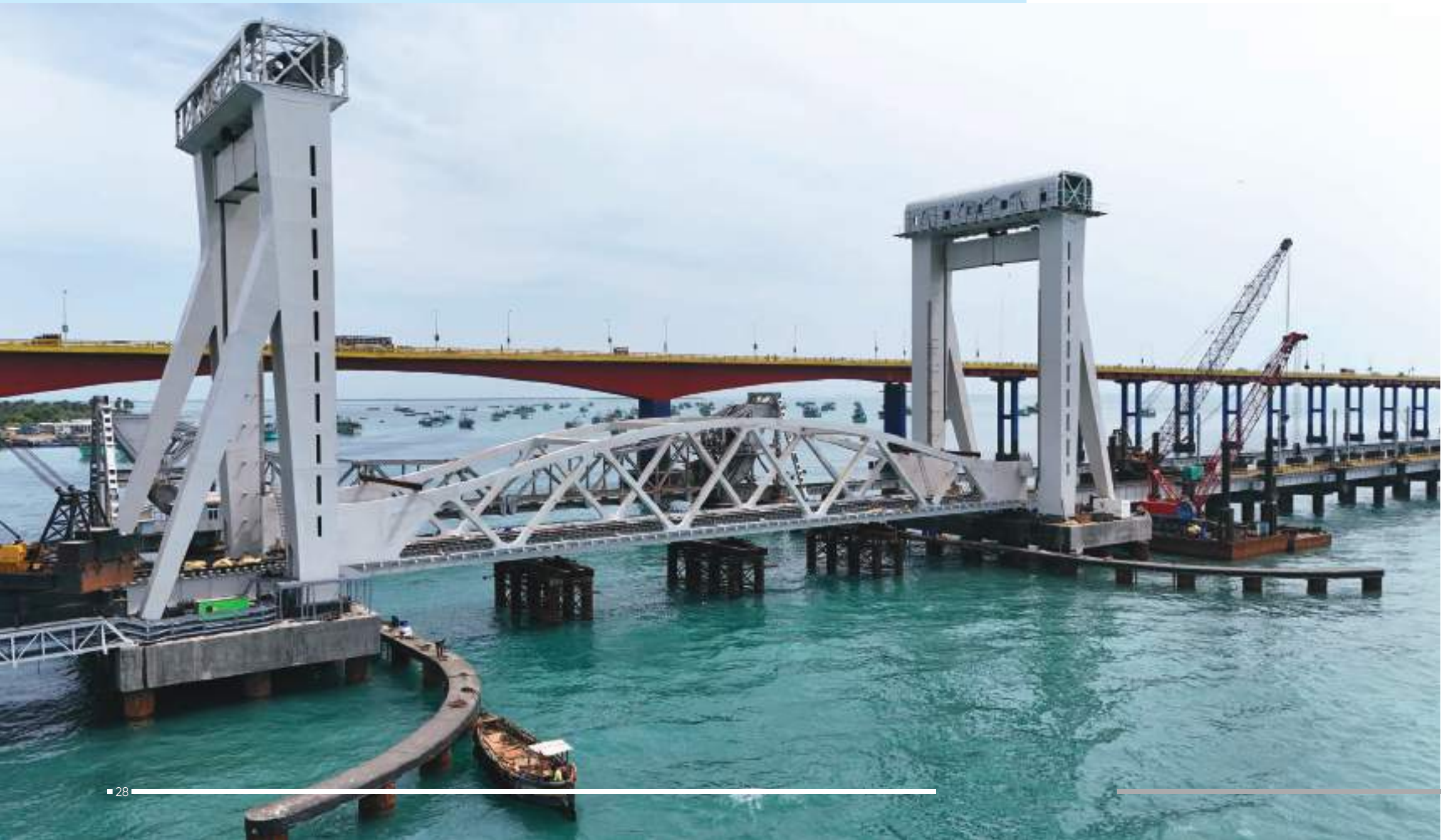
Initially this bridge was constructed between the years 1911 and 1914 by the South Indian Railway Company. It was opened for traffic on **24 Feb. 1914**. It has a navigational span, called Scherzer Span, which opens up for the movement of ships across. This bridge has lived its age and hence, Govt. of India has decided to rebuild the bridge.





The New Bridge will have a vertical Lift span, where the girder will move up by 17m in order to provide an Air draft of 22m for larger ships. The Bridge has 99 + 1 spans across the sea. The speciality of this iconic Bridge is its 72.5 m long vertical lift span. The lifting system is based on the State of art Technology, for the first time in the country. Govt. of India has plans to develop the navigational channel for movement of larger ships between the harbours on the Indian coast, which are presently sailing around Srilanka, covering an Additional distance of 650km, involving additional expenditure and paying charges for using Srilankan waters.

The new bridge is in the advanced stage of completion.





# Rishikesh-Karnaprayag New BG Rail Link Project Char Dham Project

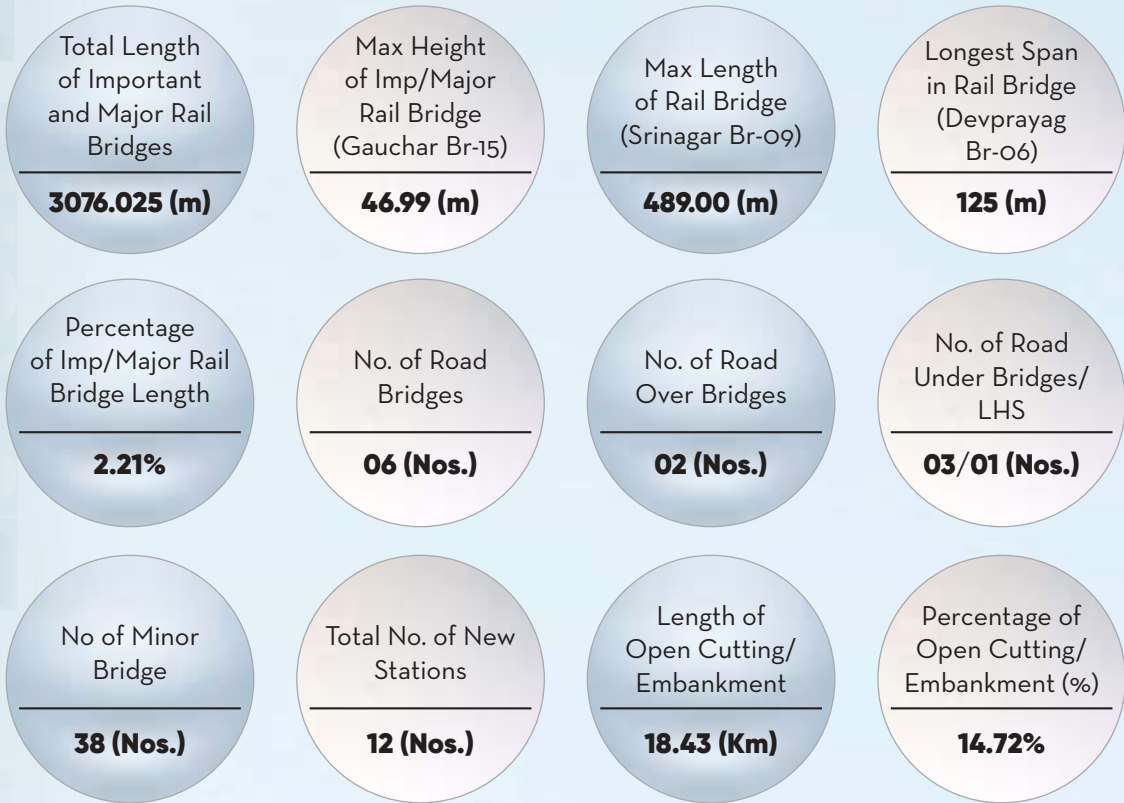
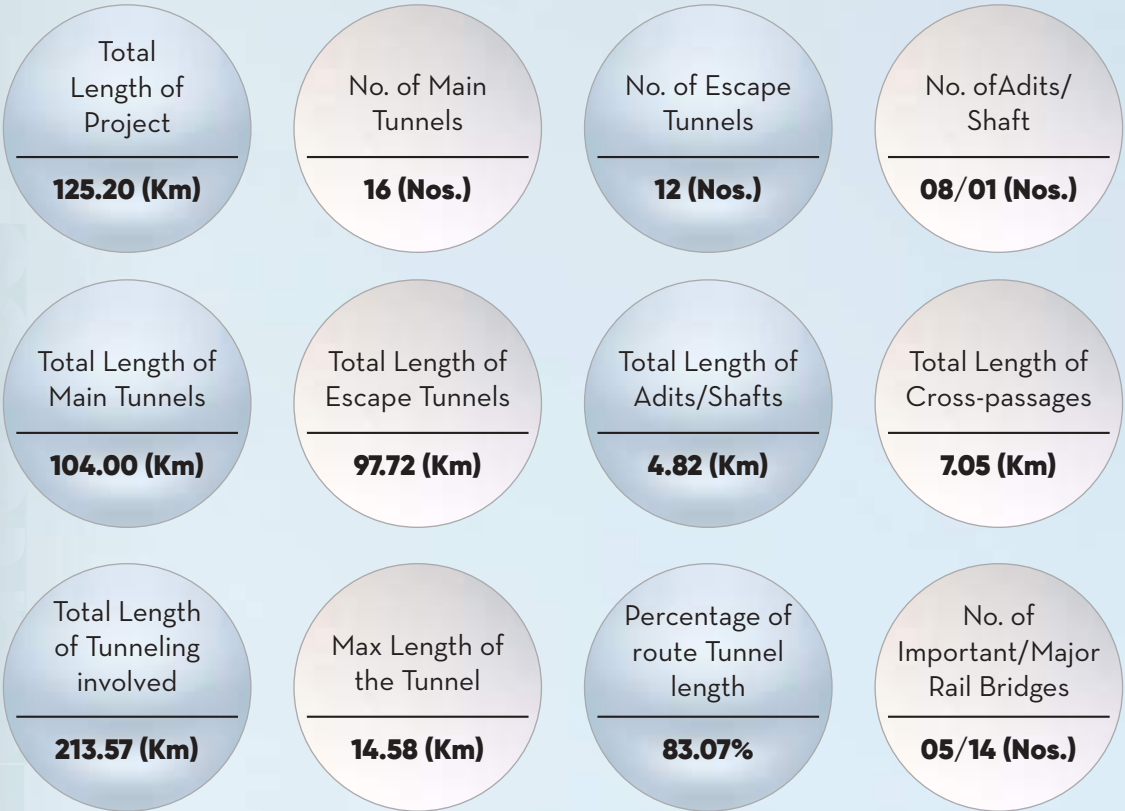
## INTRODUCTION

The 125 Km new Broad Gauge (BG) Railway line between Rishikesh and Karnaprayag is an important developmental project in the state of Uttarakhand being executed by RVNL. The objective of providing Rail link between Rishikesh and Karnaprayag is for facilitating easy access to pilgrimage centers situated in the state of Uttarakhand and to connect new trade centers along with development of backward areas and to serve the population living in the area. This link will result in a considerable reduction in travel time and cost and will open up opportunities for industrial development, cottage industry in the area, boost the economy and tourism prospects in the state.

The proposed Railway line will connect important towns like Devprayag, Srinagar, Rudraprayag, Gauchar and Karnaprayag through 5 districts of Dehradun, Tehri Garhwal, Pauri Garhwal, Rudraprayag and Chamoli.



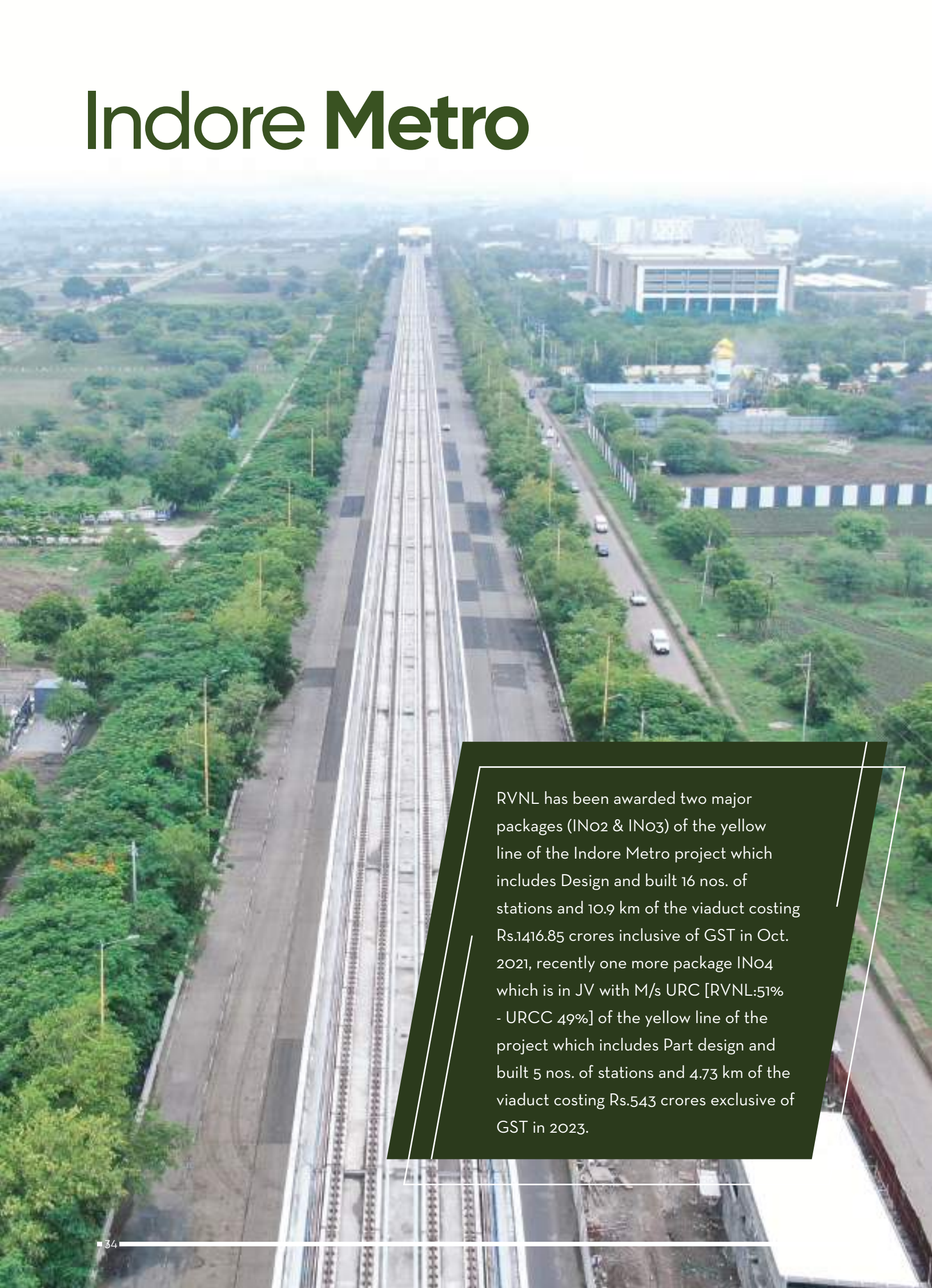
SALIENT FEATURES



RVNL was entrusted with the implementation of this prestigious project in September 2011 by the Ministry of Railway.



# Indore Metro



RVNL has been awarded two major packages (IN02 & IN03) of the yellow line of the Indore Metro project which includes Design and built 16 nos. of stations and 10.9 km of the viaduct costing Rs.1416.85 crores inclusive of GST in Oct. 2021, recently one more package IN04 which is in JV with M/s URC [RVNL:51% - URCC 49%] of the yellow line of the project which includes Part design and built 5 nos. of stations and 4.73 km of the viaduct costing Rs.543 crores exclusive of GST in 2023.

Indore Metro  
Package IN-02

Package-2 includes 7 nos. of Elevated Metro stations (ISBT/MR10 flyover, Chandragupta square, Hira Nagar, Bapat Square, Meghdoot Garden, Vijaynagar Square, Radisson Square) & transition spans.

Job Value

Rs.

381.95

Cr.

inclusive of GST

Description	Unit	IN-02
Alignment - Stations	KM	1.050
Elevated - Stations	No's	7





Indore Metro  
Package IN-03



**Package-3** includes 9 nos. of Elevated Metro stations (Gandhi Nagar, Super Corridor 6, Super Corridor 5, Super Corridor 4, Super Corridor 3, Super Corridor 2, Super Corridor 1, Bhawarsala, MR10 Road station) & 10.9 Km of elevated viaduct (Elevated Viaduct, viaduct connecting Depot leading up to interface location).

Job Value  
**Rs. 1034.90 Cr.**  
inclusive of GST

Description	Unit	IN-03
Route length	KM	10.927
Elevated Stations	No's	9



**Note:** 3,00,417 m<sup>3</sup> (cumulative quantity)  
Concreting was achieved till 31.03.2024.



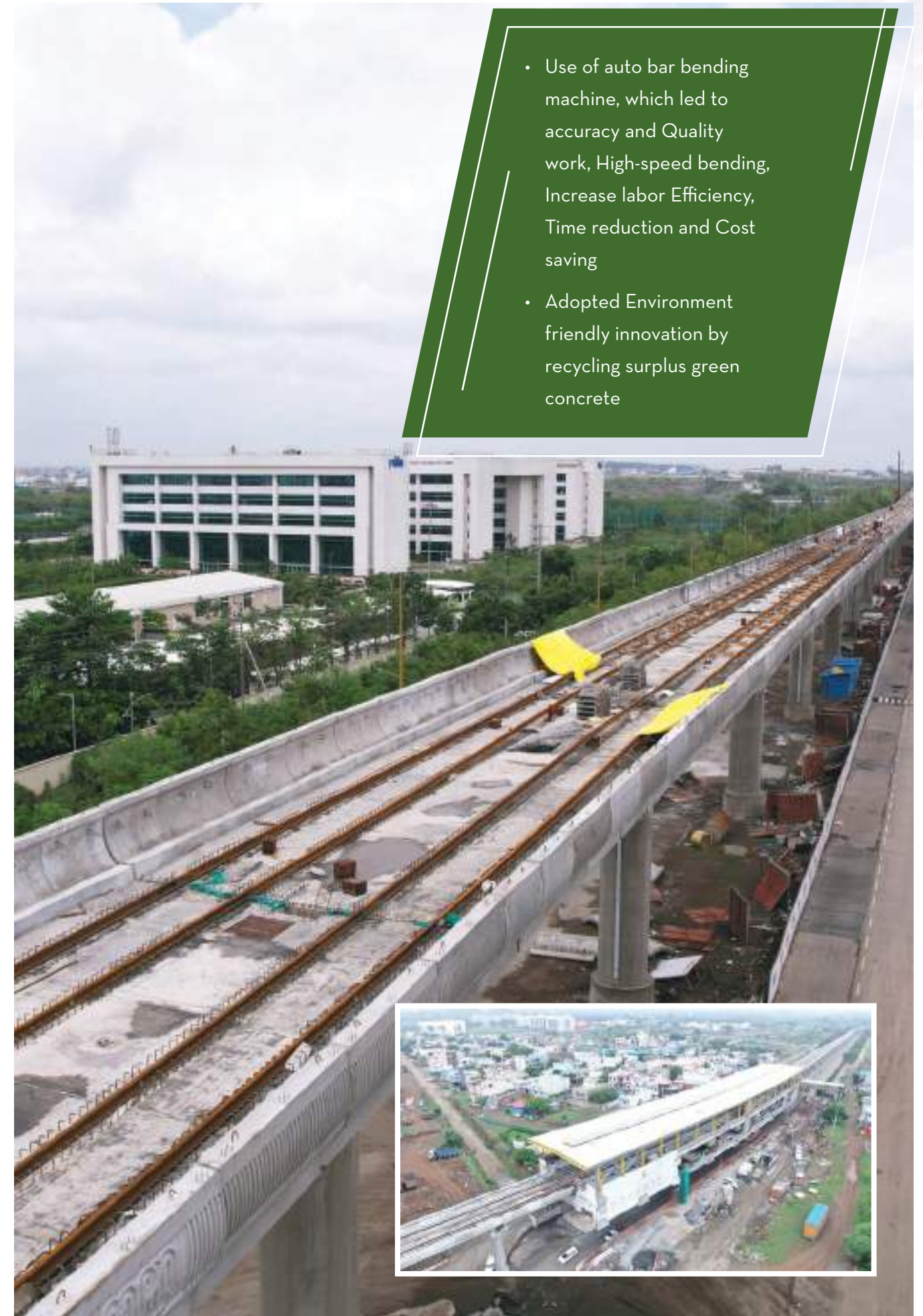


# INDORE METRO PROJECT

## Breakthroughs



- Pier arm Shuttering and Staging members, de-shuttering / dismantling done by using Chain link Pulley Method.
- Reverse shuttering is being used for open foundation work
- Machines mobilized for speedy work



- Use of auto bar bending machine, which led to accuracy and Quality work, High-speed bending, Increase labor Efficiency, Time reduction and Cost saving
- Adopted Environment friendly innovation by recycling surplus green concrete



# Kolkata Metro



The horizon of the City of Joy turned golden on 30th December, 2022 as a very long cherished dream of citizens of South Kolkata came true. Hon'ble Prime Minister of India Sri Narendra Modi flagged off the much awaited train in Joka-Taratala Metro Section belonging to the Purple Metro Corridor in the august presence of Sri Ashwani Vaishnav, Minister of Railways, Communications and Electronics & Information Technology and Hon'ble CM of West Bengal.





# Majerhat Metro Station



The services were opened for the passengers in Joka - Taratala section on 2nd Jan, 2023. Thereafter, the work for the stretch from Taratala to Majerhat was completed and commissioned on 06.03.2024. On commissioning of the above section, another passenger interface with Sealdah-Budge Budge section and Circular Railway of Eastern Railway was created at the Majerhat Railway Station.

The Majerhat Metro Station is the first elevated Metro station in India which has been constructed over an existing Railway Yard and drainage canal with Station Buildings on both side of the yard.





## The other Amenities of the station are:

- There are provisions of 2 nos. escalators, 2 nos. stairs, 1 ramp and 01 Lift for Divyang persons at PD building side and 2 escalators, 2 stairs and 2 nos. lifts at the BCC building side.
- Divyang alarm system has been provided in the Divyang toilet existing at concourse level and street level for emergency calling and synchronized with the station control room.
- Passenger amenities like AFC gates (18nos), POST/TOM Machine (7nos), PID Machine (14nos), ASCRM machine (1no), Escalator (8nos), Lifts (4nos), Chairs for Senior Citizens & Physically Challenged (4nos), CCTV cameras (92nos) etc. have been provided in the station. In addition, DFMD Gates, Luggage Scanner, PA System, Oxygen Cylinder, First Aid Box, POMKA, Stretcher, Wheel Chair, Fire Hydrants etc. are also readily available at the station.



## METRO CAR DEPOT AT JOKA



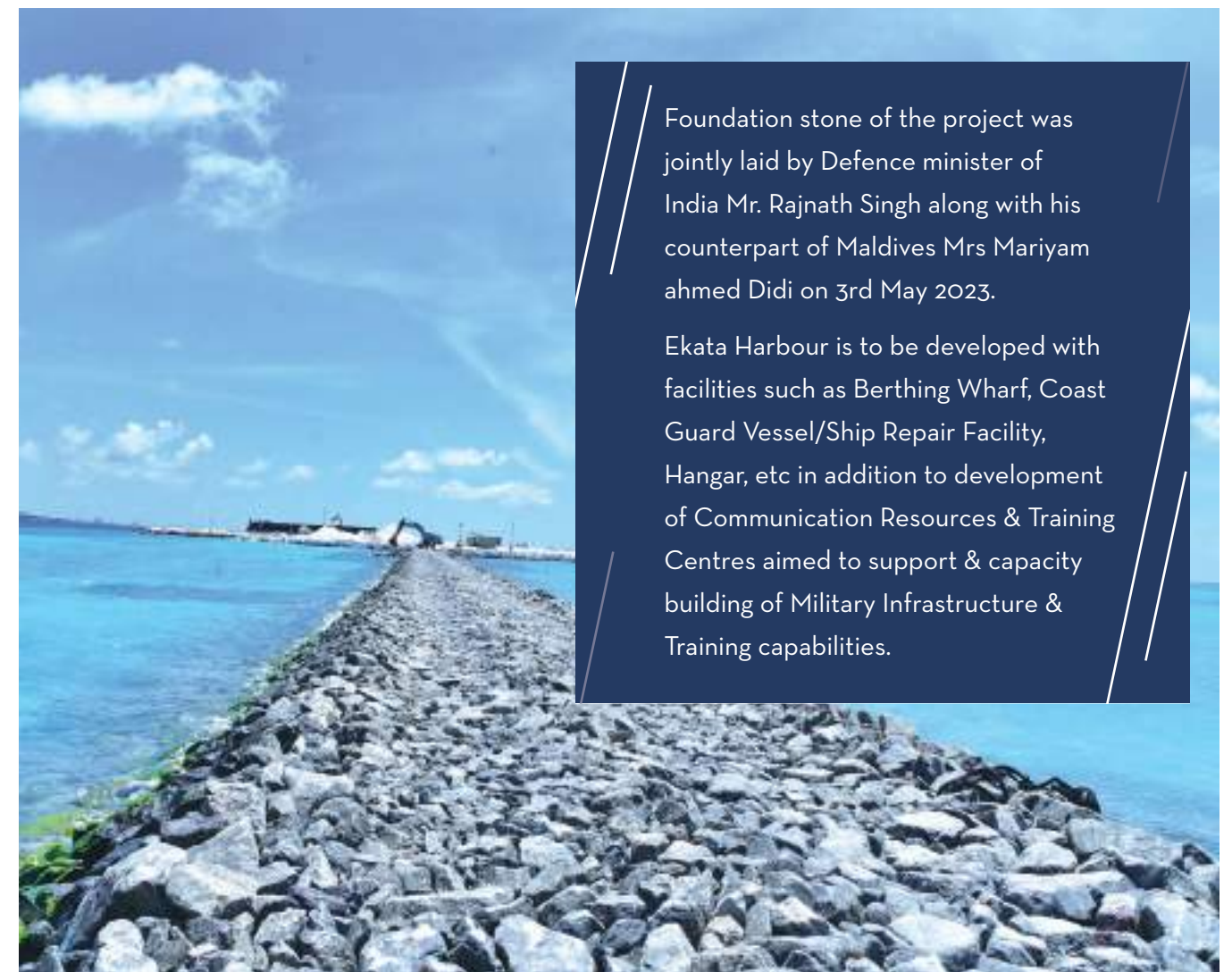


# MALDIVES

## Ekata Harbour Development Project



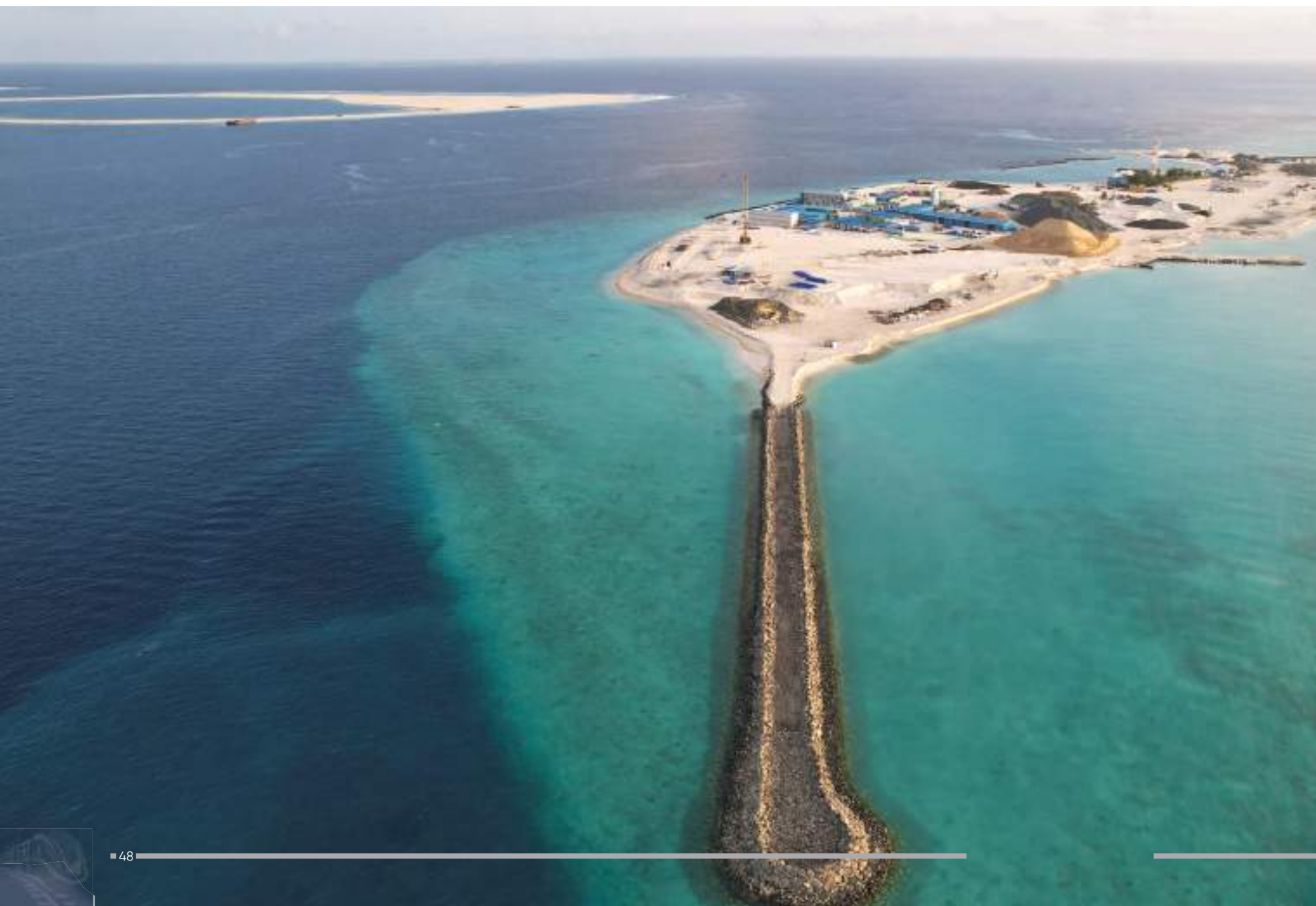
**Ekata Harbour development project** is a partnered project between Govt of India & Govt. of Maldives, which is one of the of the biggest grant-in-aid projects of India in the Island nation of Maldives. RVNL has been Awarded as the Project Implementation agency in January 2023 by the Ministry of External affairs, represented by Honourable High Commission of India to Maldives, with a project value of Rs.1544.6 crores and completion time of 2 years.



Foundation stone of the project was jointly laid by Defence minister of India Mr. Rajnath Singh along with his counterpart of Maldives Mrs Mariyam ahmed Didi on 3rd May 2023.

Ekata Harbour is to be developed with facilities such as Berthing Wharf, Coast Guard Vessel/Ship Repair Facility, Hangar, etc in addition to development of Communication Resources & Training Centres aimed to support & capacity building of Military Infrastructure & Training capabilities.





Works are executed in two categories under Marine & Landside scope. Marine works includes Dredging of approach Channel to berthing wharf, Reclamation of existing is land from 2.5 hect ares to 25 hect ares, Construction of Breakwater, Shore Protection works of reclaimed island, Procurement & Installation of port handling equipment such as ELL (Electric Level Luffing) Crane, MHC (Mobile Harbour Crane) Crane, Ship Lift Crane, etc.

Landside works comprises of construction of 21 nos of building for office, training, residential, utility purposes (such as workshops, Hangar, diving centres, Medical Infirmary, etc), in addition to Fuel Farm, Electrical distribution facilities, Helipad, Fire Fighting facilities with ARFF (Airport Rescue & Fire Fighting Vehicle), etc.

RVNL has kicked off the works immediately after the foundation ceremony by commencing dredging & reclamation works of the island in the month of **May 2023** and has achieved a notable overall progress of close to 35% within a time frame of 10 months.

Works are done by giving prime impetus to **“Make in India”** initiative as majority of the construction materials used are either of Indian origin or **Made in India**, though the project is executed in a foreign country.



# IRIFM

Indian Railway Institute  
of Financial Management

The Indian Railway  
Institute of Financial  
Management (IRIFM) is  
located in Secunderabad,  
Telangana. This project  
was conceived and  
constructed by RVNL at a  
cost of Rs.85 cr.



**IRIFM** showcases RVNL's skills of developing a complete Institute which has a distinct character of its own with all the requisite state of the art facilities. It was inaugurated on 24th November, 2019 by the then Chairman Railway Board, Shri V. K. Yadav.







IRIFM marks an important addition to the list of premier professional institutions in the country, though it is the first in the field of financial management specifically for Indian Railways. The ensuing batches of probationers belonging to Indian Railway Accounts Service (IRAS) will be trained here. This Institute is a learning abode for Finance and Accounts Officers of Indian Railways.



It is based in a 14-acre campus in Moula-Ali area of Secunderabad. The institute has 10 different functional blocks including academic block, hostel blocks, sports block, library and mess, and can handle around 150 trainees at a time. IRIFM is a green building which is capable of generating 90% of its own power needs with solar installations in the campus besides recycling 100% of the water consumed.





# VALLARPADAM Idapally Rail Link Project



**The Vallarpadam-Idapally Railway Link Project** was taken up by RVNL and work began in May 2007, the bridge construction began in October 2007 and was successfully completed in March 2010 and the trial run was conducted on 31st March 2010.

This Project is in Kochi, Kerala, it's a 8.86 km Rail corridor connecting International Container Trans-shipment Terminal (ICTT) on Vallarpadam Island with the Railway station at Idapally, a suburb of Kochi. The bridge on this section is 4.62 km long. It stretches from the ICTT to the inhabited areas of Vaduthala.

The link from Idappally to Vallarpadam starts from Idappally and runs 3 km parallel to an existing track until it reaches Vaduthala. The Rail line then passes via the Vembanad bridge through three small islands, including Idyakkara and Mulavukad islands, on Vembanad Lake to reach Vallarpadam. Over 80% of the bridge is built over water.

This Railway line and its related infrastructure were built at the cost of Rs.350 cr.





# Barddhaman Cable Stayed Bridge Project

**Cable Stayed Bridge** and its Approaches at **Barddhaman**, West Bengal has been successfully completed by RVNL.

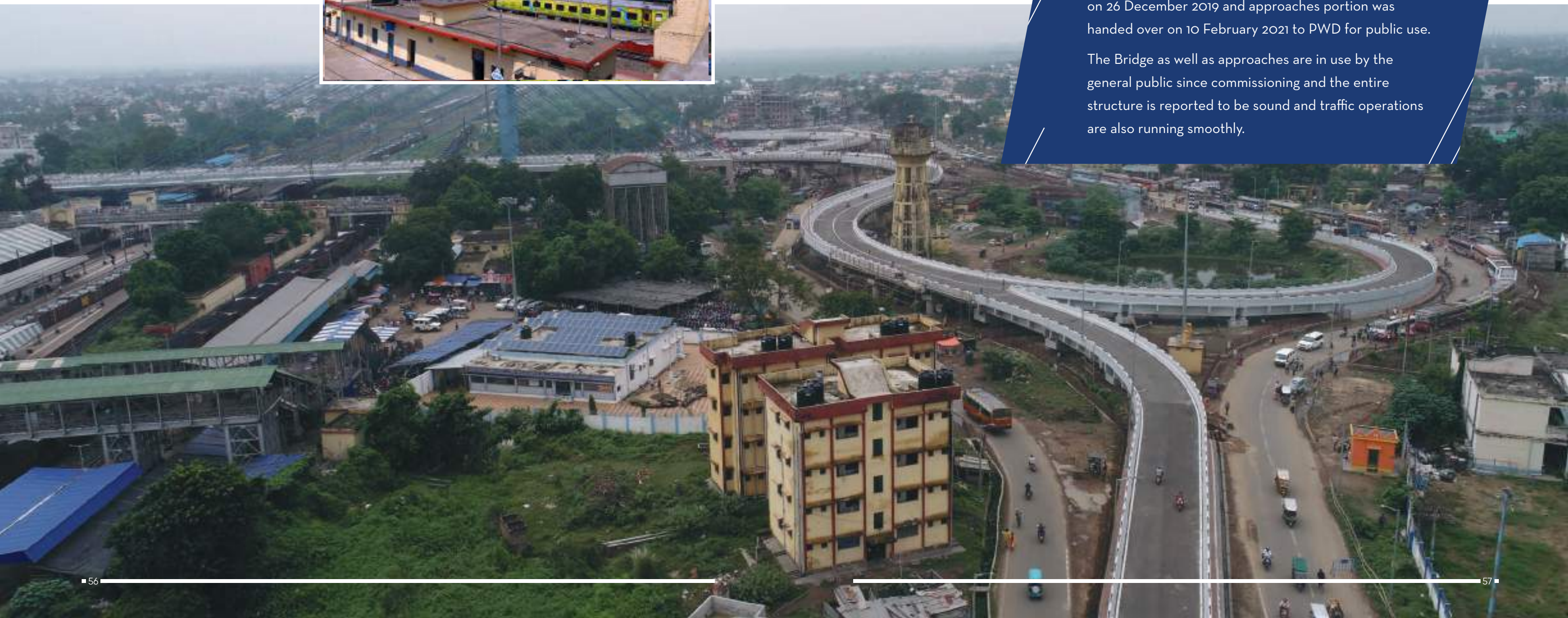
The work of 4 lane Cable Stayed Bridge in lieu of existing 2 lane ROB was a sanctioned project and was transferred to RVNL in June 2010. RVNL completed the Cable Stayed Bridge Project located in Barddhaman, West Bengal in August 2016.

The work was executed on a 50:50 cost-sharing basis with the Government of West Bengal. The work of approaches was also completed in September 2019 and successfully commissioned and opened to traffic on 27 September 2019.



The **Cable Stayed Bridge** was handed over to Railways on 26 December 2019 and approaches portion was handed over on 10 February 2021 to PWD for public use.

The Bridge as well as approaches are in use by the general public since commissioning and the entire structure is reported to be sound and traffic operations are also running smoothly.



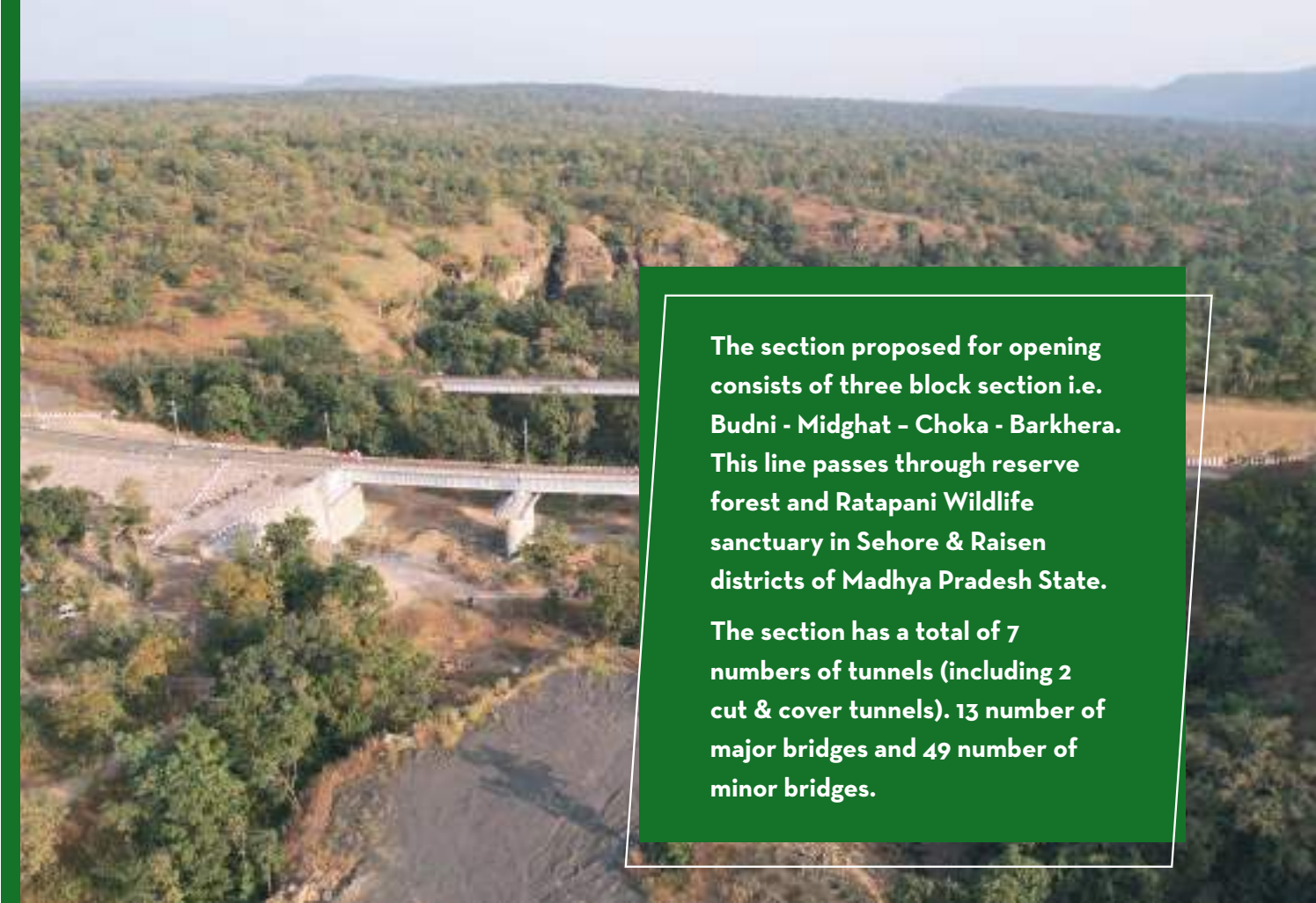


# BARKHERA - BUDNI

## 3<sup>rd</sup> Line Project



The work of Third Line construction between Budni - Barkhera was sanctioned in the year 2011 - 2012 at an abstract cost of Rs. 287.35 Crores. The Detailed Estimate of the work is sanctioned at a cost of Rs. 991.60 Crore on 31 March 2017. Third Line section between Budni - Barkhera stations covering a length of 26.115 KM, has been constructed on West side of existing DN line, shall be designated as DN main line and the existing DN line will be designated as "UP Mid DN" line and will be used as Bi-directional single line.



The section proposed for opening consists of three block section i.e. Budni - Midghat - Choka - Barkhera. This line passes through reserve forest and Ratapani Wildlife sanctuary in Sehore & Raisen districts of Madhya Pradesh State.

The section has a total of 7 numbers of tunnels (including 2 cut & cover tunnels). 13 number of major bridges and 49 number of minor bridges.

The proposed line has been connected to existing yard at each station for following reasons:

### Budni (BNI)

Originating Station, Vardhaman Siding on DN side.

### Midghat (MIG)

Catch Siding on UP Side due to steep gradient in hilly area.

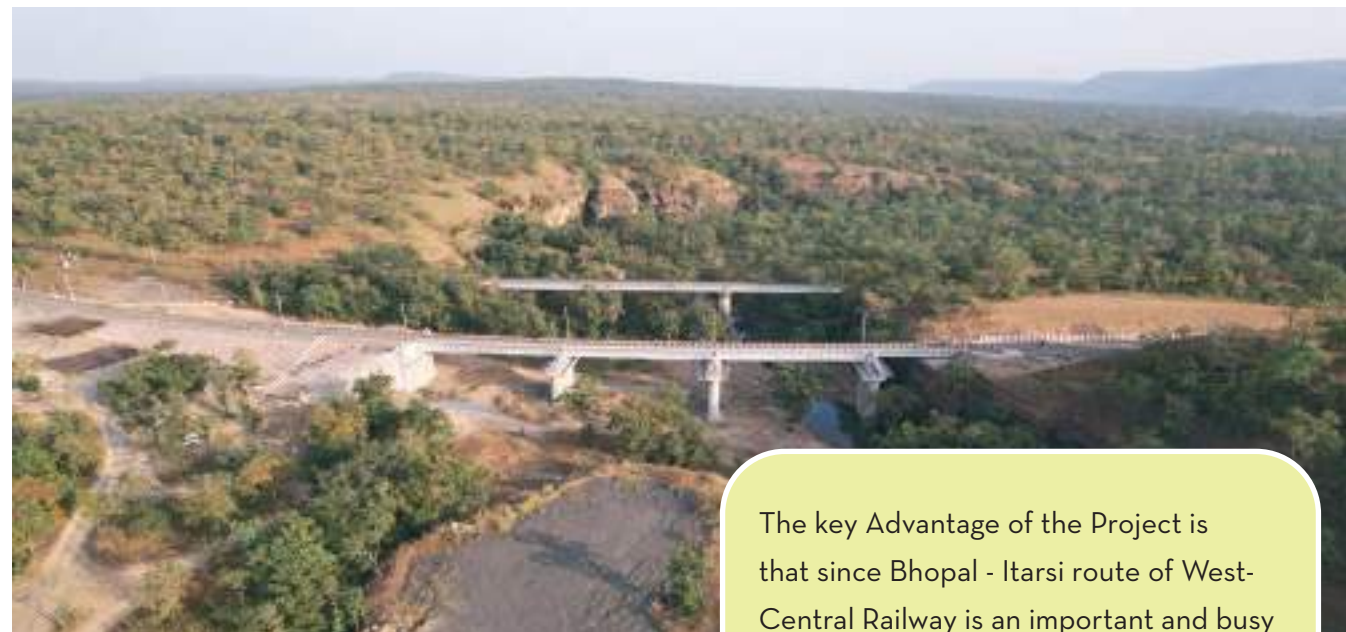
### Barkhera (BKA)

Originating Station.





The 1st round of CRS inspection of the section was done on 27 October 2023. The Pre-NI & NI Work was completed on 08 December 2023 as well as CRS speed trial with 100 KMPH speed was successfully completed on 09 December 2023. CRS/CC Shri Manoj Arora Appreciated the work done on the section as it was a supercritical section with various restrictions due to forest and wildlife sanctuary. Now, the section is ready for movement of goods and passenger trains.

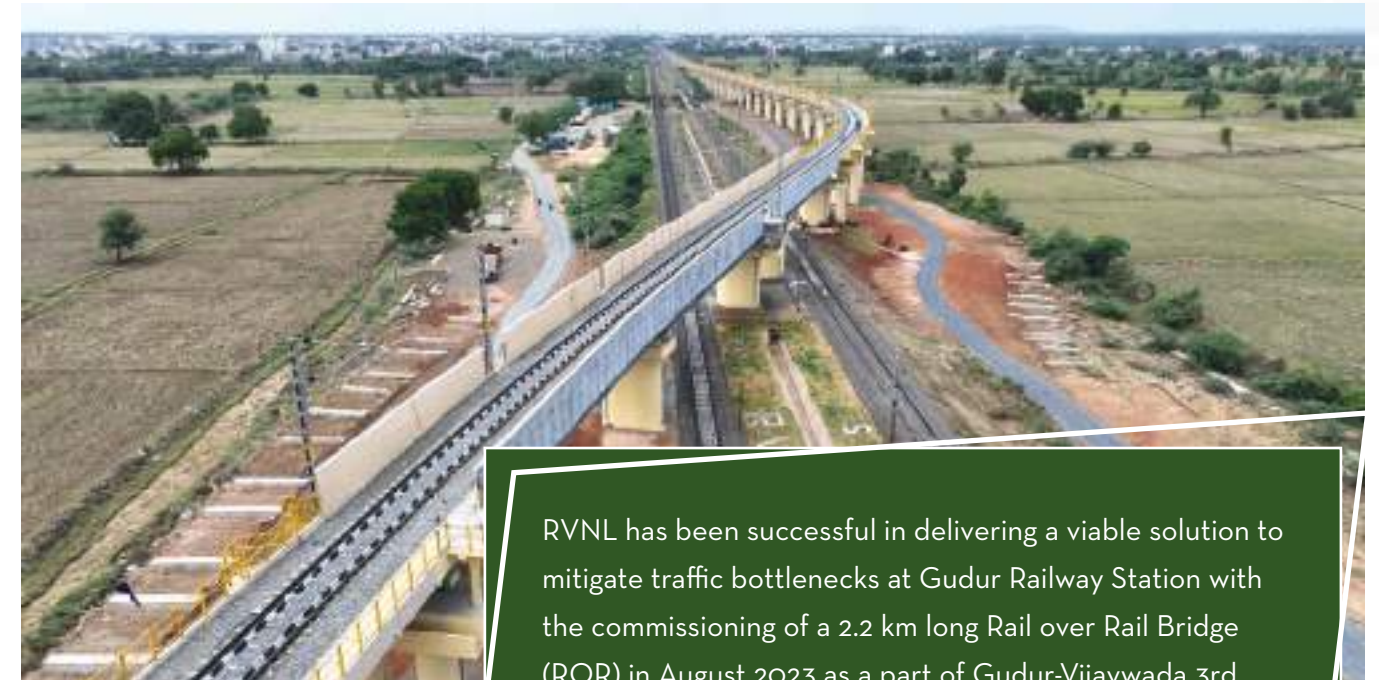


The key Advantage of the Project is that since Bhopal - Itarsi route of West-Central Railway is an important and busy section of Indian Railways lying in Central India carrying enormous Passenger and Goods traffic There are at present more than 110 Nos Mail/Express trains operating on this section with average 48 Nos Goods trains with the sectional capacity utilisation of 170%, With the construction of 3rd line, the traffic congestion is expected to be eased to a great extent.



## An Engineering Marvel: ROR Bridge

### Vijaywada-Gudur 3rd line in Andhra Pradesh



RVNL has been successful in delivering a viable solution to mitigate traffic bottlenecks at Gudur Railway Station with the commissioning of a 2.2 km long Rail over Rail Bridge (ROR) in August 2023 as a part of Gudur-Vijaywada 3rd line project. Gudur, being the 'junction' station has trains from Chennai, Renigunta and Vijaywada directions. The heavy traffic often cripples the operations.





This ROR Bridge eliminates the operational bottleneck. It involved challenging work in crossing two busiest traffic lines of Indian Railways. The work was executed professionally with all safety and quality.





# A Modern Railway Workshop

## Rail Coach Naveenikaran Karkhana, Sonipat

In the heart of Sonipat, amidst the bustling landscape of innovation and progress, stands a testament to the vision of a nation on the move. This is the story of a project that began with a dream to revolutionize Railway infrastructure, embarking on a journey marked by challenges, resilience, and ultimately, triumph.

### Chronicle of Milestones

- Sanction of the Project (28.08.2018):** A vision takes its first step towards reality as the project receives official approval.
- Foundation Stone laid by Hon'ble PM (09.10.2018):** A symbolic moment as the cornerstone of progress is laid by a leader with foresight.
- Layout plan & scope Approved by NR (30.11.2018):** Detailed planning sets the stage for the project's execution.
- Composite Tender Invited (24.12.2018):** A call to action, inviting expertise and collaboration for the journey ahead.
- Bhoomipujan at site by Hon'ble MP, Sonipat (11.01.2019):** Ground breaking ceremonies mark the physical commencement of the project.
- Possession of Land from HSIIDC on lease (22.02.2019):** Securing the foundation for progress, brick by brick.
- Award of Composite Contract (25.02.2019):** A pivotal moment as the project gains momentum with the selection of key partners.
- Commencement of work at site (27.03.2019):** The site comes alive with the hum of activity, a testament to determination.
- Disruptions:** A testament to resilience amidst adversity:
  - NGT Ban (January - February 2020)
  - Covid-19 - Wave-1 (March-June 2020)
  - Covid-19 - Wave-2 (April-May 2021)
- Physical Completion of Workshop (30.06.2021):** A milestone reached, marking the culmination of dedicated effort and perseverance.
- Commissioned (31.10.2021):** The project comes full circle, ready to serve its purpose in the nation's infrastructure.
- First Coach Turned Out (28.04.2022):** A moment of pride as the first furnished coach rolls off.
- Additional Work for Test Shop required for Vande Bharat Trainsets Maintenance (02.08.2022):** A testament to adaptability and continuous improvement.
- Drawing Approved by PCME/NR for Test Shop (24.04.2023):** A nod of approval, signifying attention to detail and adherence to standards.



### Project Overview

**Total area:** 150 Acres, meticulously planned to accommodate various facilities.

#### Infrastructure Highlights

- Pre Engineered Building Sheds for workshop Activities : 64423 Sqm
- Service and Other Buildings: 14532 Sqm
- Boundary Walls: 6.3 Km
- Track: 11.5 Km
- Road: 6.1 Km







### Significant Features

- Multi Activity Complex
- General Electrical Works, OHE, OFC + Telecom
- Solar Power Plant: 990 KW
- Green Building Initiatives: Rainwater harvesting, Sewage treatment and more.







### Modern Facilities

- Advanced Machinery and Equipment:
- Shot Blasting/ Peening plant
- Paint Booth with Oven
- Bogie Testing Machine,
- Automated Storage & Retrieval
- Coach Washing Plant, Sewage treatment and recycling.

### Industry 4.0 integration

#### Sustainable Initiatives

- Solar Power Plant
- Natural ventilation and lighting
- LED illumination
- Rainwater harvesting, Plantation of trees.

In every rivet driven, every machine calibrated and every beam erected, lies the spirit of progress. This project stands not only as a testament to engineering excellence but as a beacon of hope for a future where innovation and sustainability pave the way for a brighter tomorrow in Railway infrastructure.



## Pioneering Progress

### Marathwada Rail Coach Factory, Latur

In the vibrant tapestry of Maharashtra's industrial landscape, a beacon of innovation rises, heralding a new era in Railway manufacturing. Embark with us on an odyssey through the milestones and marvels of the Marathwada Rail Coach Factory in Latur—an epicentre of visionary foresight, collaborative spirit and unwavering commitment to sustainable progress.

### Genesis of Transformation

#### Work Transfer to RVNL (13.02.2018)

A pivotal moment as the responsibility for the establishment of the factory transitions to Rail Vikas Nigam Limited.

#### Bhoomi Pujan Ceremony (31.03.2018)

A ceremonial inauguration graced by the esteemed presence of Shri. Fadnavis (Hon'ble CM of Maharashtra) and Shri. Piyush Goyal (Hon'ble Railway Minister), symbolizing the union of state and Railway leadership in pursuit of progress.

#### Project Sanction (28.08.2018)

Official endorsement in the Supplementary Demand of Grant heralds the commencement of ambitious endeavours, backed by financial support.

#### Tendering and Contract award

**(19.06.2018 - 30.08.2018)**

M/s. ISGEC Heavy Engineering Ltd. entrusted with the task of translating vision into reality.

#### Commencement of Work (12.10.2018)

The echoes of progress resonate as machinery springs to life, laying the foundation for a transformative journey.

#### Factory Commissioning (25.12.2020)

A momentous occasion as the factory comes to life on Good Governance Day, commemorated with the manufacturing of the inaugural MEMU TC Shell.





## Land Acquisition : A meticulous effort securing

**142** Hect.  
Factory area

**8.51** Hect.  
Station area

**9.87** Hect.  
Residential Colony

## Infrastructure Overview

- **Total area:** 413 Acres, meticulously planned for functionality and efficiency.
- **Factory area:** 351 Acres
- **Harangul Station area:** 22 Acres
- **Rail Connectivity area:** 16 Acres
- **Residential area:** 24 Acres
- **Compound Wall:** 6.8 Kms
- **Total Track Length:** 18.14 kms
- **Concrete Road:** 6.4 Kms



## Facilities and Initiatives

- Sewage Treatment Plant with a capacity of 75 KLD.
- Water management infrastructure including Ground Level Reservoir and Overhead Tank.
- Conversion of Harangul Halt station to Class B, RE, and doubling fit, 51-route station.
- Implementation of Green Initiatives including the use of Battery-operated Material Handling Vehicles and VVVF drive in machines.
- Rainwater harvesting and Sewage Treatment Plant for sustainable water management.
- Coach shower test facilities with water recycling arrangements.

## Electrical Infrastructure

- Workshop Power supply from MSEDCL with a capacity of 33 kV.
- Distribution Electric Substations and Diesel generating sets for uninterrupted power supply.
- Tele and Data connection works for workshop communication.

The Marathwada Rail Coach Factory stands as a testament to the collaborative spirit and unwavering dedication towards progress and sustainability with a future defined by excellence, efficiency and environmental stewardship.



# Rail Coach

## Naveenikaran Karkhana, Jhansi

Amidst the bustling plains of Uttar Pradesh, a symbol of innovation and progress emerges—the Rail Coach Naveenikaran Karkhana in Jhansi. Take a look as we traverse through the milestones and innovations that mark this monumental project, A testament to vision, collaboration and sustainable development.



Project Overview
Total Built-Up area : 75 Acres
State Concerned - Uttar Pradesh
Original Target Date - 31.Oct.2022
Date of Completion - 10.Sep.2022
Original Estimate Cost - Rs. 493 Cr
Revised Cost - Rs. 632 Cr







### Brief Project Description

- State-of-the-art workshop sanctioned in August 2018 after its announcement by the Railway Minister during the UP Investor Summit 2018.
- Periodic overhaul and refurbishment of **200 LHB + 50 Train Set coaches per Annum**.
- Foundation stone laid by **Hon'ble Prime Minister** on **15th Feb 2019**.
- Infrastructure includes **10 pre-engineered building sheds** (65500 sqm), buildings (4000 sqm), and 10.7 km of track.
- **Machinery & Plant (M&P) cost:** Rs.143 Cr.
- **Completion:** Physical progress of 100% with expenditure of Rs 602 crore incurred.
- Commissioning and handover completed.
- **Green Initiatives:** 750 KW solar plant, Sewerage treatment plant, Water recycling, LED lighting, extensive horticulture, etc.
- Automation features such as robotics, Industry 4.0, etc.





## Benefits of Project

- **Railways:** The project provides A state-of-the-art facility for the standard Periodic Overhaul (POH) of Railway coaches. Located in the well-connected junction of Jhansi, it enhances convenience for POH operations.
- **Local Industries:** The workshop creates opportunities for local industries to supply various components, thereby boosting the local economy.
- **Employment:** Outsourcing job opportunities, with a capacity of engaging 1500 manpower in the workshop, contributes significantly to employment generation.



The Rail Coach Naveenikaran Karkhana, Jhansi, stands as a beacon of progress, seamlessly blending technological innovation with sustainable practices. As it rolls out state-of-the-art Railway coaches, it not only transforms Rail infrastructure but also uplifts local economies and creates avenues for employment, laying the tracks for a brighter future in Uttar Pradesh's industrial landscape.

## Vande Bharat Sleeper Version Trainset

The Vande Bharat sleeper trainset, is an under-development high-speed, long-distance electric multiple unit (EMU) train designed to replace the existing Rajdhani Express train running over the Indian Railways. It is being developed based on existing short-distance Vande Bharat trains running successfully Across the length & breadth of this country.

## History of Vande Bharat Express

The trainsets are self-propelling Electric Multiple Units (EMU)s with eight or sixteen coaches. The trainset was designed and manufactured by Integral Coach Factory in Chennai. Introduced in 2018, the trainsets Achieved semi-high speeds of 183 km/h (114 mph) on trials, but the operational speed is limited due to track restrictions, halts and traffic congestion. The maximum operational speed of 160 km/h (99 mph) is achieved by the Rani Kamalapati (Habibganj)-Hazrat Nizamuddin Vande Bharat Express and Hazrat Nizamuddin-Khajuraho Vande Bharat Express on the Tughlakabad-Agra section.





## Vande Bharat (Sleeper Trainset)

The Agreement No. 2022/RS(WTA)-527/Vande Bharat Trains/874/2 was signed on 27th September 2023 between Indian Railways and the JV of JSC Metrovagonmash (Lead member), Rail Vikas Nigam Limited (RVNL) and JSC Locomotive Electronics System (LEV) since promoted and incorporated as KINET Railway SOLUTIONs LTD. (KRSL) a Special Purpose Vehicle (SPV) with Shareholding as 70%, 25%, and 5% respectively.

The Vande Bharat sleeper version will have 16 coaches which includes 11AC 3-Tier coaches, 4AC Two-Tier coaches and 1 First AC. It will also be equipped with advanced features such as special roofing, enhanced Air conditioning, virus control mechanisms, reduced jerks, noise, and vibrations. These trains will undergo



necessary modifications to seamlessly transition from chair car variants to sleeper versions, ensuring compliance with crashworthiness and fire safety requirements.

The project envisages meticulous design of aesthetically appealing interiors and the selection of suitable inside panels in order to produce significantly improved product that sets new standard of excellence & innovation, demonstrating an unwavering commitment to excellence and innovation in Rail transportation.



## Technical Features of Vande Bharat Sleeper Train Sets

### CAR FORMATION

DTC- MC- TC- MC<sub>2</sub>-MC-Tc-MC<sub>2</sub>-NDTC/EC-NDTC/  
EC<sub>2</sub>-MC<sub>2</sub>Tc- MC - MC<sub>2</sub> - TC - MC- DTC

Total cars per Train Set : 16

Gauge : Broad Gauge, 1676 mm

## Salient features of train

1.	The 16-car rake train shall be capable of Accelerating to a speed of 160 kmph from 0 kmph in a maximum of 140 seconds on level track.
2.	The 16-car rake train shall be capable of achieving a minimum an average acceleration of 0.7m/s <sup>2</sup> for speed up to 40 km/h.
3.	The 16-car rake train shall be capable of achieving a minimum residual acceleration of 0.1 m/s <sup>2</sup> at 160 kmph

## Passenger Capacity

Type of Berth	No. of Coaches Per Train	Number of Berths
AC 3 Tier Berths	11	611
AC 2 Tier Berths	4	192
First Class AC Berths	1	24
<b>Total</b>	<b>16</b>	<b>887</b>

## Other important Features

- Aerodynamic nose cone driving cab.
- VCD provided in driving cab for monitoring.
- Austenitic Stainless-steel car body.
- Light weight and corrosion-resistant car body.
- Crash-worthy features in the car body for Passenger safety.
- Anti-graffiti clear coating on the exterior finish surface of passenger cars.
- Sub-pantry, Linen storage arrangement.
- Fire safety as per EN 45545, HL3.
- Zero discharge toilet system & odor-free toilet system.
- Automatic internal doors segregation saloon area and door vestibule area.
- Integrated Reading light with USB Charging provision.
- Passenger information system (PIS) and automatic announcement and display of destination information.
- Passenger car surveillance system comprising of CCTV.

## CONCLUSION

The manufacturing and operation of the Vande Bharat Sleeper Train Sets will represent a significant leap in the nation's Railway innovation, combining safety, comfort, and efficiency. This milestone underscores India's commitment to advancing its Rail infrastructure to meet global standards, promising a superior travel experience for passengers across the country.

The first prototype of this train set is planned to be handed over to Indian Railways by September 2025.



# CORPORATE Social Responsibility

## Inauguration of female nurses hostel at Varanasi Sevavrati Niwas

The three storied female nurse hostel building was built under CSR fund of RVNL at a total cost of Rs. 3 crore. The building was completed in 2 years' period (2022-2024). Female nurses used to live in a dilapidate house made of mud more than 60 years ago. Which was not safe and secure to live for female nurses. Now they feel happy that they are living in a model hostel rooms, which is secure, safe and hygienically fit to live.



## Solar Home Light System WB

Solar home light system of two units in 500 poor house holders was provided at Bhangarh and Canning Blocks in the backward District of south 24 Parganas, West Bengal and 250 poor house holders were provided at Jolangi village of Mursidabad District of West Bengal under CSR initiative of RVNL. They were living thatched house made of bamboo and mud, without light till the solar light were provided by RVNL. The children of the house holders were used to read by lighting Dhibris. Now the children are feeling happy to read under solar light system



## JAN-SUVIDHA at Chennai Centre Railway station

Modern Toilet block at Chennai Centre Railway station was provided by RVNL under CSR fund. Separate block for male and female and handicap people for provided, along with bathroom and washrooms..



## Training

A training on CSR and sustainably was arranged at Ramakrishna Math, Naora, in the backward District of south 24 Parganas, West Bengal. RVNL is providing CSR fund to Ramakrishna Math, Naora, to impart coaching classes games, sports, classical dance, music, computer training etc. The training on CSR for RVNL staff was organize under the aegis of TATA institute of Social Science (TISS)





# CSR

Project for Disable handicap children at  
IHBP, Behela, Kolkata



Mid-term-social audit team of TISS carried out social audit of Institute of Handicap and Backward people (IHBP) headed by Dr. Ananya Samajdar and Ms. Debangana CSR project under education of implemented by IHBP for about 7 years, under this CSR project about 100 disable handicap children free couching, uniform, bags, stationary, apparatus, and one time nutrition meal. All this photographs taken while audit team was interacting with the students, teachers and p arents.

## RKM Narainpur Chhatisgarh BOYS HOSTEL

300 tribal boys hostel at Ramakrishna Mission Ashrama, Narainpur Chhatisgarh, in the aspirational district of Narainpur was built under CSR project of RVNL at a total cost of Rs. 4.23 crore in the year 2012-2014.



## NATIONAL CSR Award 2019

National CSR award 2019 was conferred to RVNL for empowerment of women by Ministry of Corporate Affairs Govt. of India. held on 28.10.2019. at Vigyan Bhawan New Delhi. Award was received by the CMD along with Director Personal and Chairman CSR Committee and PED Mechanical and Nodal Officer CSR.



## JAN-SUVIDHA Varanasi

Inauguration of Sulabh Shochalaya at Fatahman road and Ravidas Park of Varanasi The toilet blocks are having facilities for ladies and Gents separately 10/10 each with bathroom. This CSR Project RVNL was implemented by Sulabh International Social Service Origination, Lucknow at a total cost of Rs. 1 crore.



## INAUGURATION of CSR project

"Facilities of 5 OT Complex and 20 bedded post operative internship c are ward at Ramakrishna Mission Sevashrama, kankhal Haridwar, Uttarakhand in the aspirational District of Haridwar.

The above CSR project was implemented by RKM's kankhal Haridwar, at a total cost of Rs. 7 crore,. The bed capacity of hospital has increased from 180 to 200. The hospital facilities are utilized by underprivileged and poor people of Uttarakhand, irrespective of caste creed and culture. 5 OT complex and 20 bedded post operative internship care ward was built in 4th and 5th floor existing hospital building along with generator set and transformer.





## JAN-SUVIDHA Ghazipur

Inauguration of toilet blocks at Ghazipur Namami Gange and Swach Bharat Mission was completed in six locations at Ghazipur under CSR project. The project was inaugurated by Hon'ble Railway Minister (MoS) Shri. Manoj Sinha on 25.03.2016. in the august gathering of Mr. Bindeswari Pathak, the founder of Sulabh International and CMD RVNL. People of Ghazipur are immensely benefited with the facilities of toilet blocks.



## Rayagada Annapurna Bhawan

The CSR project for “facilities for modern kitchen cum dining hall for 700 tribal boys at Ramakrishna Mission Asharama, Hatimuniguda, in the aspirational District of Rayagada, Odisha. This CSR project was implemented by Ramakrishna Mission Asharama, Hatimuniguda at a total cost of Rs. 2.11 crore Modern kitchen facilities along with dining hall to take meal by 700 tribal boys at a time has been created. Dining hall is named as Annapurna.



## VRINDABAN Nursing Hostel

CSR project for construction of nursing hostel named as 'Nivedita' Nursing Hostel at Ramakrishna Mission Sevashrama charitable hospital Vrindaban in the district of Mathura U.P was under taken by RVNL at a total cost of Rs.5.56 crore, out of which contribution of RVNL is Rs.4 crore. Balance Rs.1 crore by TATA Trust Mumbai and Rs.56 lakh by a private farm. This hostel is very safe, secure and hygienically fit to use by the nurses. The hostel is provided with modern kitchen with dining hall facilities.



## HOSTEL Jamshedpur

The CSR project for with in “Construction of 120 underprivileged tribal boys hostel facilities at Ramakrishna Mission Vivakananda Society Sakchi in the aspirational district purbi singhbum” was under taken by RVNL at a total cost of Rs. 2.14 crore this is three storied hostel building and facilitates the underprivileged and tribal boys of Purbi Singhbum District of Jharkhand.





## RANCHI (Hospital Building Ranchi)



The CSR project for “Construction of 50 bedded TB patients wards at Ramakrishna Mission TB Sanatorium, in the aspirational district of Ranchi, Jharkhand” was under taken by RVNL at a total cost of Rs.2.77 crore. The CSR project was completed and inaugurated on 27.11.2021, This ward increased the number of TB patients bed from 150 to 200. The Underprivileged and tribal people of Ranchi and surrounded districts of Jharkhand are benefited from this CSR project.

## Rewards & recognitions/appreciations in 2022 onwards

- > Skoch Gold Award for RVNL SPV KRC – PPP Model in Rail Sector in India.
- > Most Admired PSU in Rail Infra Development’ in the EPC & Construction category of awards at the Urban Infra Business Summit & Awards 2022.
- > PSE Excellence Award to RVNL in ‘Operational Performance Excellence’ – 17th March 2023.
- > Quality Innovation Award 2023 and National Quality Award by Institute of Engineers (India) – April 2023
- > Skoch Gold Award for Excellent Physical and Financial Performance – 2023
- > Winner for outstanding achievements in ‘Construction Safety’ Award category during the 21st Greentech Safety Awards 2023.
- > Dun & Bradstreet PSU Award 2023 in the Contract & Construction and Tech. Consultancy Services (CPSU) Category during the 15th edition of the ‘PSU and Government Summit’.
- > RVNL won the prestigious Award in 'Innovative Technology Adoption' category for the Indore Metro Project – 24th Nov. 2023.
- > RVNL as the India’s Leading Developer of Rail Infrastructure and presented ‘India’s Best Company of the Year Award 2023’.
- > RVNL won 'Best PSU of the Year' and 'Construction Firm of the Year' by Metro Rail and Steel Award 2023.
- > RVNL won ‘IEI Industry Excellence (Gold) Award 2023’ in Engineering Organisation in Construction Industry category during the award ceremony held at the 38th Indian Engineering Congress organised by The Institution of Engineers (India) at Jabalpur





# RVNL ANTHEM

Illustrating the 3 pillars of RVNL- Quality, Speed & Transparency and the goal of the organization to provide Indian Railways and the country a modern infrastructure, the Anthem instills pride in its members as representatives of progress

## हम हैं गति विकास की

राहें दुर्गम पर हम सक्षम  
हम हैं गति विकास की  
गुणवत्ता है साख हमारी  
सदियों की है जिम्मेदारी  
हम बढ़ते हैं हम गढ़ते हैं  
राहें कल की आस की  
राहें दुर्गम पर हम सक्षम  
हम हैं गति विकास की

पारदर्शिता सब बातों में  
कर्मशीलता पर हाथों में  
दूरदर्शी सपनों से लिखते  
गाथा रेल विकास की  
राहें दुर्गम पर हम सक्षम  
हम हैं गति विकास की

पटरी सा फौलादी कल था  
पहिये सा गतिमान आज है  
रेल बढ़ेगी देश बढ़ेगा  
यह है लौ विश्वास की  
राहें दुर्गम पर हम सक्षम  
हम हैं गति विकास की

पुल ढाले हैं नदियाँ लांघी  
ट्रेक बिछाए धरती नापी  
हम भारत का स्वर्णिम कल हैं  
बात नहीं इतिहास की  
राहें दुर्गम पर हम सक्षम  
हम हैं गति विकास की।



SCAN QR Code for RVNL Anthem Song

For more updates  
About RVNL scan this QR Code

