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RODIC

ENGINEERING.PASSION





ABOUT US

RODIC is a multi-disciplinary infrastructure consulting engineering company with a passion for designing, building, and delivering sustainable solutions. We are a team of 2000 eager Rodicians working tirelessly to improve the world around us. Since 2000, RODIC has relentlessly supported clients to build state-of-the-art infrastructure using innovative methodologies that deliver great value.

CONTENTS

02 ABOUT US

06 OUR VISION, MISSION, PRESENCE AND VALUES

10 MESSAGE FROM CHAIRMAN

14 PERFORMANCE OVER THE YEARS

16 BRIDGES

GANGAPATH BRIDGE
THE NEW GANGA SIX-LANE BRIDGE
SULTANGANJ TO AGUWANI GHAT CABLE-STAYED BRIDGE

24 TUNNELS & GEOTECHNICS

QUAZIGUND-BANIHAI TUNNEL
CHENANI-NASHRI TUNNEL
SAWALKOTE TUNNEL

32 HIGHWAYS

GOA-KUNDAPUR COASTAL HIGHWAY
DELHI-AGRA SIX-LANE HIGHWAY
INDIA-MYANMAR-THAILAND HIGHWAY

40 PORTS AND WATERWAYS

PROJECT MANAGEMENT UNIT FOR DEVELOPMENT OF
NATIONAL WATERWAYS IN MAHARASHTRA AT JN PORT
TRANSACTION ADVISORY SERVICES FOR DEVELOPMENT OF
NATIONAL WATERWAYS 4 & 5

46 RAILWAYS & METRO

DEDICATED FREIGHT CORRIDOR CORPORATION PROJECT
(NEW KARWANDIYA TO NEW GANJ KHWAJA)
MUMBAI RAIL MUMBAI URBAN TRANSPORT PROJECT(MUTP) III
PUNE METRO LINE 3 (HINJEWADI-SHIVAJINAGAR)

54 POWER & ENERGY

PARNAI HYDRO-ELECTRIC POWER PROJECT
SOLAR SOLUTION FOR THE STATE OF BIHAR
WIND ENERGY
DEENDAYAL UPADHYAYA GRAM JYOTI YOJNA

64 MULTIMODAL TRANSPORT & ITS

MULTIMODAL TRANSPORT & INTELLIGENT TRANSPORTATION SYSTEM (ITS)
EASTERN PERIPHERAL EXPRESSWAY PROJECT

68 URBAN AND INDUSTRIAL DEVELOPMENT

JAMMU SMART CITY PROJECT
POWER MUSEUM COMPLEX

74 WATER AND ENVIRONMENT

UTTARAKHAND URBAN SECTOR DEVELOPMENT
INVESTMENT PROGRAMME GARHWAL REGION-PACKAGE 1
JHARKHAND MUNICIPAL DEVELOPMENT PROJECT

80 RODIC COFFEE ESTATE

82 STRIDES IN NATION BUILDING (SUSTAINABILITY AND CSR)

86 BEHIND RODIC / OUR STRENGTH

90 FOUNDATION DAY CELEBRATIONS

92 AWARDS

94 CLIENTS, FUNDING PARTNERS & CERTIFICATIONS

OUR VISION

To be the world's leading infrastructure and engineering organisation and be a trusted partner of choice for our valued clients and employees.

OUR MISSION

To provide outstanding and reliable engineering support to build sustainable infrastructure.

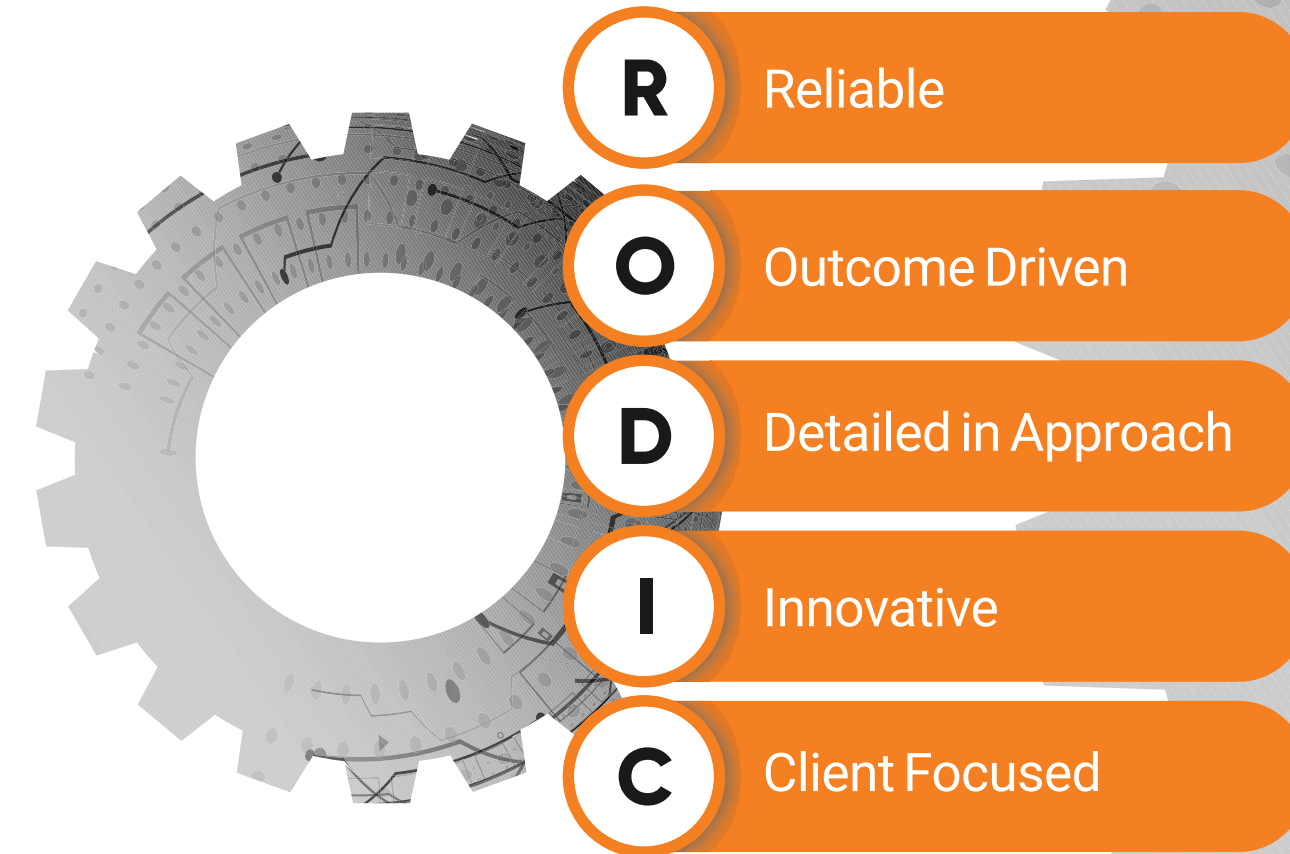
A wide-angle photograph of a large, dark tunnel under construction. The tunnel walls are rough and uneven. In the center, a large red machine, possibly a tunnel boring machine (TBM) cutterhead, is visible. A worker in a yellow safety suit stands near the machine. The floor is covered in gravel and debris. The lighting is dim, with a blue light source illuminating the machine area.

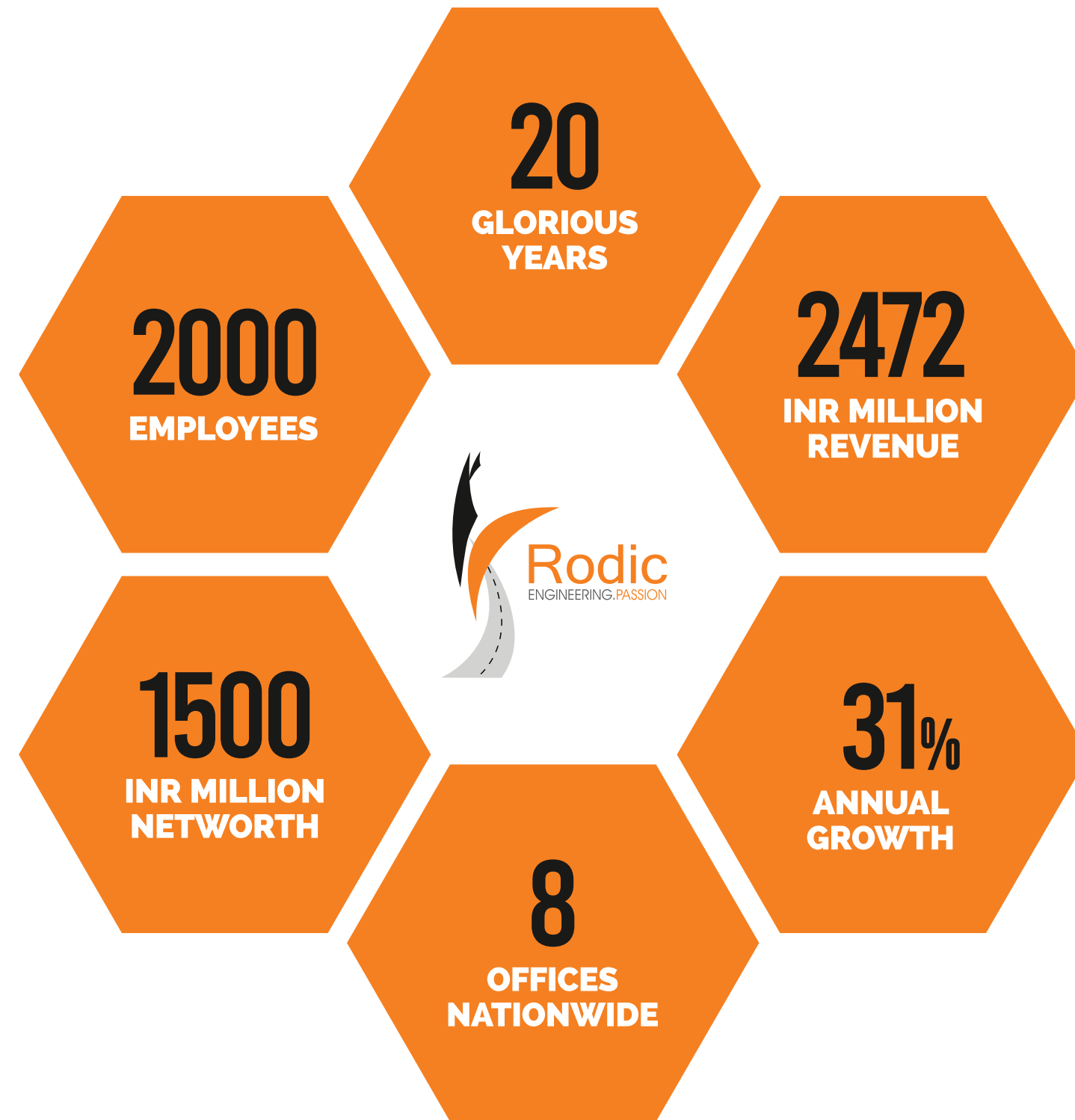
Main Access Tunnel (MAT) of Sawalkote Hydro-Electric Project in district Ramban, J&K. It is a double lane horse-shoe shaped 1.55 km long tunnel that is the only access to the dam site and powerhouse.

OUR PRESENCE



OUR VALUES





MESSAGE FROM THE CHAIRMAN

With an abiding commitment to excellence, a vision rooted in innovation and an inspiring entrepreneurial spirit – RODIC has stayed loyal to our founding principles for the last 20 years. This year, we step into the third decade of our existence, brimming with hope and optimism for the future and a renewed devotion to serving society.

Since our humble beginnings as a consulting company in the Highway sector in 2000, we have now grown into a leading complete engineering solution provider expanding our services to domains including Railways & Metro, Tunnels and Geotechnics, Bridges, Highways, Hydropower, Power & Energy, Water & Environment, Urban & Industrial Development, Ports & Inland Waterways, and Renewable Energy.

Our impressive numbers are a testament to our passion and drive to become one of the best infrastructure consultancies in the world. We are immensely proud of our 2000 employees, who are working tirelessly in project sites across the country. Our compounded annual growth for the last five years stands at 31%, and we are constantly expanding our reach across the country – from Jammu and Kashmir to Bengaluru. With the India-Myanmar-Thailand Highway, we have also made our maiden entry into the international market.

Our credentials have earned us the trust of some of the world's largest corporations. We have been the preferred partners of NHA and State Governments, World Bank, JICA, AIFB, and the Asian Development Bank. Over the years, we have fostered collaborations with global partners in Australia, Italy, Spain, Russia, France, USA and South Korea.

Such phenomenal growth would not have been possible without our passionate adherence to our core values:

- Exceptional client services and ethical professionalism
- Innovation, technical excellence, and stringent quality control
- On-time and cost-effective project delivery
- Fostering leadership potential and transparency through our work culture

Our promise of trust, integrity, and delivery of only the highest standards is something that we shall always uphold.



None of this would have been possible without our family of engineers, consultants, advisors, and other members who represent the very backbone of our company. We have always recruited the best talent within the industry and are committed to helping them progress even further professionally by providing regular training and orientations.

Even though we have proven our expertise in the infrastructure sector, I firmly believe that the best is yet to come! Our strategic investment in building a robust digital infrastructure will further enhance our values of transparency, efficiency, productivity and seamless collaboration. As I write, we are breaking new grounds in engineering and consulting across the world, drawing closer to our goal of becoming a world-class, international brand.

Last but not least, we have moved from strength to strength, and that is only because of that one underlying philosophy, "Be passionate about what you do and make yourself indispensable to the industry". In this light, RODIC now stands true to its new tagline, "Engineering.Passion" which defines the unique quality that every Rodician shares.

Warm wishes,
RAJ KUMAR

SERVICES

RODIC integrates the best consulting strategies to suit the distinctive needs of its various clients across diverse sectors and geographies. Leveraging our state-of-the-art central real-time monitoring system, RODIC will further drive efficiencies and improve our efficacy. RODIC embraces technology to raise the bar.



PROJECT MANAGEMENT

- CONSTRUCTION SUPERVISION
- CONSTRUCTION MANAGEMENT
- AUTHORITY ENGINEER
- INDEPENDENT ENGINEER
- SKILL DEVELOPMENT
- OWNERS ENGINEER
- PROJECT AUDIT
- SAFETY AUDIT



ADVISORY SERVICES

- TRANSACTION ADVISORY
- BID PROCESS MANAGEMENT
- DEMAND ANALYSIS
- BENCHMARKING STUDIES
- VALUE ENGINEERING



DETAILED ENGINEERING & DESIGN

- PRELIMINARY ENGINEERING
- PRE-FEASIBILITY & FEASIBILITY STUDIES
- PROOF CHECKING
- DETAILED DESIGN
- ARCHITECTURAL DESIGN
- DETAILED PROJECT REPORT
- TRANSPORTATION PLANNING
- TRAFFIC & REVENUE STUDIES

PERFORMANCE OVER THE YEARS

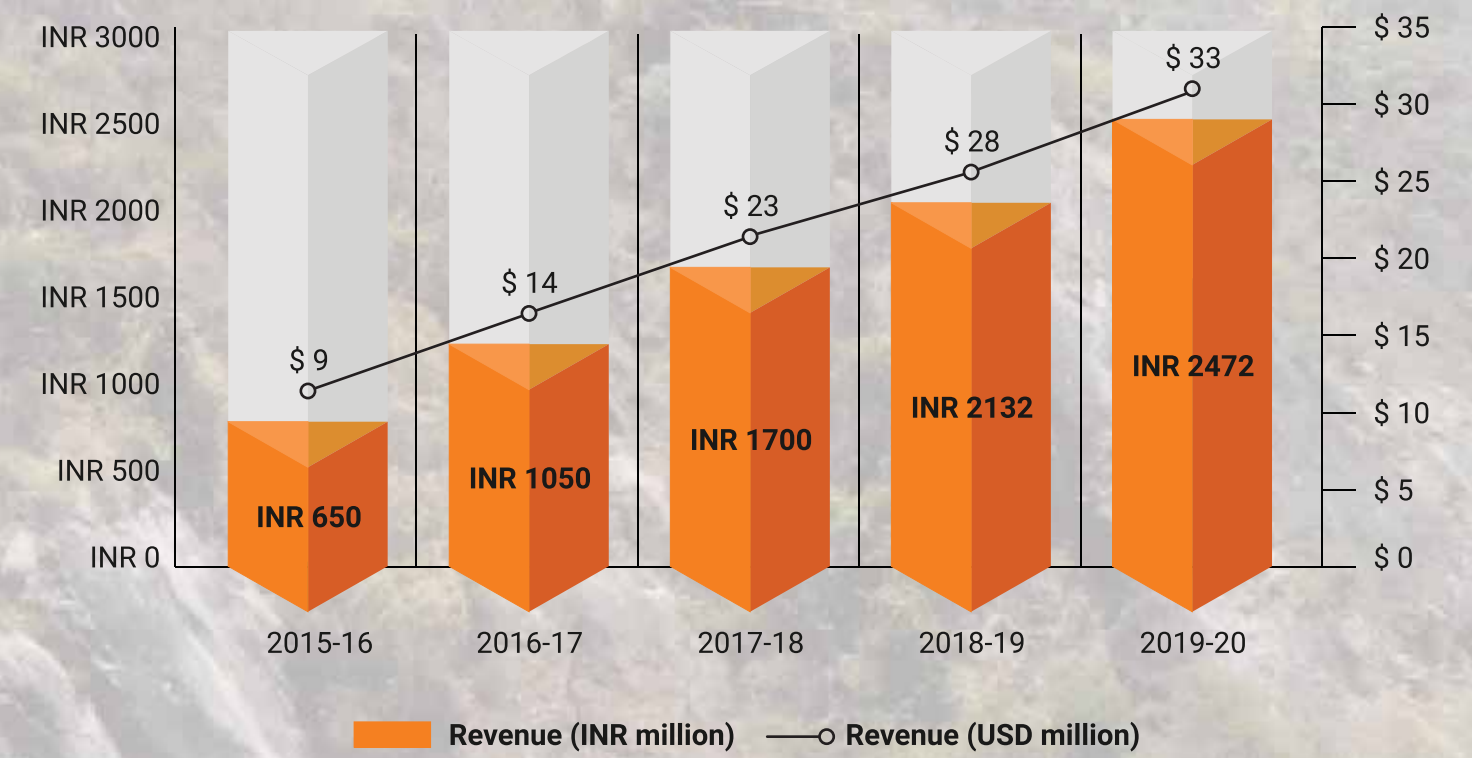
Revenue

FY	Revenue (INR million)	Revenue (USD million)
2015-16	INR 650	\$ 9
2016-17	INR 1050	\$ 14
2017-18	INR 1700	\$ 23
2018-19	INR 2132	\$ 28
2019-20	INR 2472	\$ 33

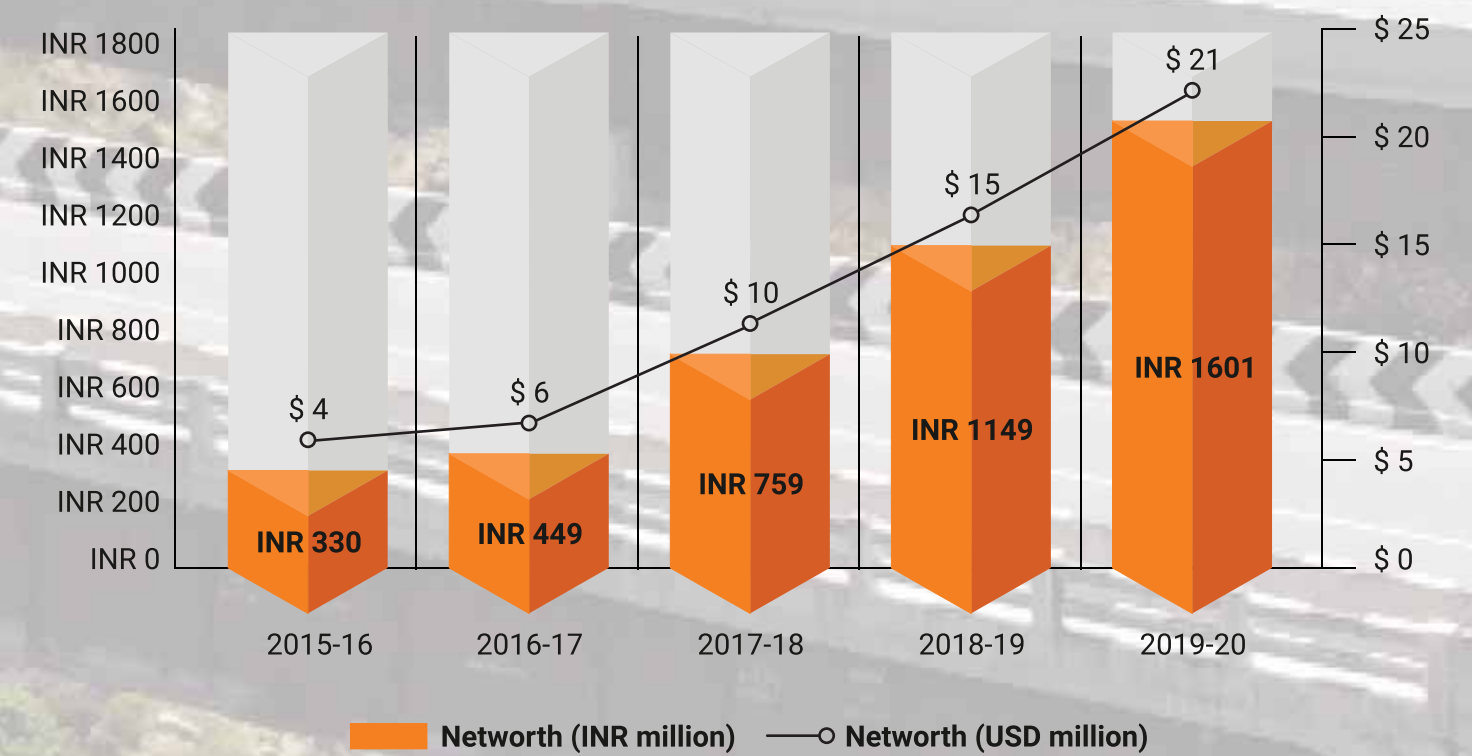
Network

FY	Network (INR million)	Network (USD million)
2015-16	INR 330	\$ 4
2016-17	INR 449	\$ 6
2017-18	INR 759	\$ 10
2018-19	INR 1149	\$ 15
2019-20	INR 1601	\$ 21

Revenue



Network



CONNECTING PEOPLE **BRIDGES**



- ⚙️ **PLANNING AND DESIGN**
- ⚙️ **PROJECT MANAGEMENT**
- ⚙️ **AUTHORITY ENGINEER**
- ⚙️ **INDEPENDENT ENGINEER**
- ⚙️ **SUPERVISION**

"We build too many walls and not enough bridges," said Isaac Newton. RODIC believes in the philosophy of connecting people and communities. We are proudly associated with many government agencies and enable them to uplift India's infrastructural capabilities by providing services for the development of mega/special Bridges on major rivers of the country. RODIC's experienced design and supervision team provide cost-effective solutions to the most complex problems.



GANGAPATH BRIDGE

AUTHORITY ENGINEER

Passing along the various ghats and points of interest on the southern bank of the River Ganga, Gangapath Bridge connects the eastern and western neighbourhoods of Bihar's capital city, Patna. The Gangapath Bridge provides easy and fast passage to those who wish to bypass the hustle-bustle of the famous bazaars.

FACTS & KEY FEATURES

Client	: Bihar State Road Development Corporation
Location	: Patna, Bihar
Project Cost	: INR 1717 Cr
Project Length	: 20.50 km
Elevated Structure Length	: 7.6 km
Span Arrangement	: 143 X 50 m (Segmental Box Girder) + 18 X 24.620 m (U-Truss Span) + 1 X 60 m (Composite Steel Girder)
Services Provided	: Authority Engineer

CHALLENGES

- Construction of a high river embankment was necessary before the actual construction.
- Major slope failure at site.



Computer simulated 3D image of proposed New Ganga extra dosed cable-stayed six-lane bridge.



NEW GANGA SIX-LANE BRIDGE

PROJECT MANAGEMENT & AUTHORITY ENGINEER

To provide an impetus to the economic vitality of North Bihar and to decongest the Mahatma Gandhi Setu, RODIC is helping to construct the world's longest multi-span extra dosed bridge connecting Patna with Vaishali district, where Lord Buddha gave his last sermon.

FACTS & KEY FEATURES

Client	: Bihar State Road Development Corporation
Location	: Patna, Bihar
Project Cost	: INR 3115 Cr
Funded By	: Asian Development Bank
Project Length	: 22.76 km
Extradosed Bridge Length	: 9.76 km
Span Arrangement	: 1X79.5 m + 64X150 m + 1X79.5 m
Services Provided	: Project Management and Authority Engineer

CHALLENGES

- Being one of the longest river bridge in the world, on-time completion of design and construction implementation.
- Managing alignment through two streams.
- Sinking Double D type wells of 60 m in deep water.



SULTANGANJ TO AGUWANI GHAT CABLE STAYED BRIDGE

AUTHORITY ENGINEER

Saving travel time by nearly 5 hours and reducing the distance by 250 km between North Bihar and Assam, the Sultanganj to Aguwani Ghat Cable-Stayed Bridge will further promote the view of the endangered freshwater dolphins. The 3.1 km bridge aims to boost the eco-tourism with a four-story-high glass covered on all sides for an uninterrupted view at the centre.

FACTS & KEY FEATURES

Client : Bihar Rajya Pul Nirman Nigam Limited
 Location : Sultanganj (Bhagalpur district)
 Pasaraha (Khagaria district)
 Project Cost : INR 859 Cr
 Project Length : 28.16 km
 Cable stayed & Extradosed Bridge Length : 3.160 km
 Services Provided : Authority Engineer

CHALLENGES

- Connecting the Dolphin Observatory to the main Pier Well.
- Construction of an observatory for the endangered South Asian freshwater dolphins.

Section	Span Arrangement	Type of Span
Section-1	2 x 72.5 m	Viaduct
Section-2	1 x 125 m + 2 x 162.5 m + 1 x 125 m	Extradosed
Section-3	140 m + 270 m + 140 m	Cable-Stayed
Section-4	1 x 125 m + 2 x 162.5 m + 2x 125 m + 1 x 162.5 m + 1 x 125 m	Extradosed
Section-5	13 x 64.465 m + 1 x 64.455 m	Viaduct



CONNECTING DESTINATIONS

TUNNELS & GEOTECHNICS



- ⚙️ **PLANNING AND DESIGN**
- ⚙️ **PROJECT MANAGEMENT**
- ⚙️ **AUTHORITY ENGINEER**
- ⚙️ **INDEPENDENT ENGINEER**
- ⚙️ **SUPERVISION**

Tunnels are one of the most challenging civil engineering structures. Designing, executing and managing these structures provide enriching experiences for all associated with the project. RODIC's tunnel design team deals with complex terrain and geological mapping, and uses top-class design platforms that set us apart.

The mouth of the twin-tube Quazigund-Banihal Tunnel.



QUAZIGUND BANIHAL TUNNEL

INDEPENDENT ENGINEER SERVICES

Across the beautiful and mystic Himalayan terrain, the tunnel is built at an altitude of 1800 m, twin laned, with 8.5 km in length. The Quazigund-Banihal tunnel will provide all-weather connectivity and reduce travel time by an hour.

FACTS & KEY FEATURES

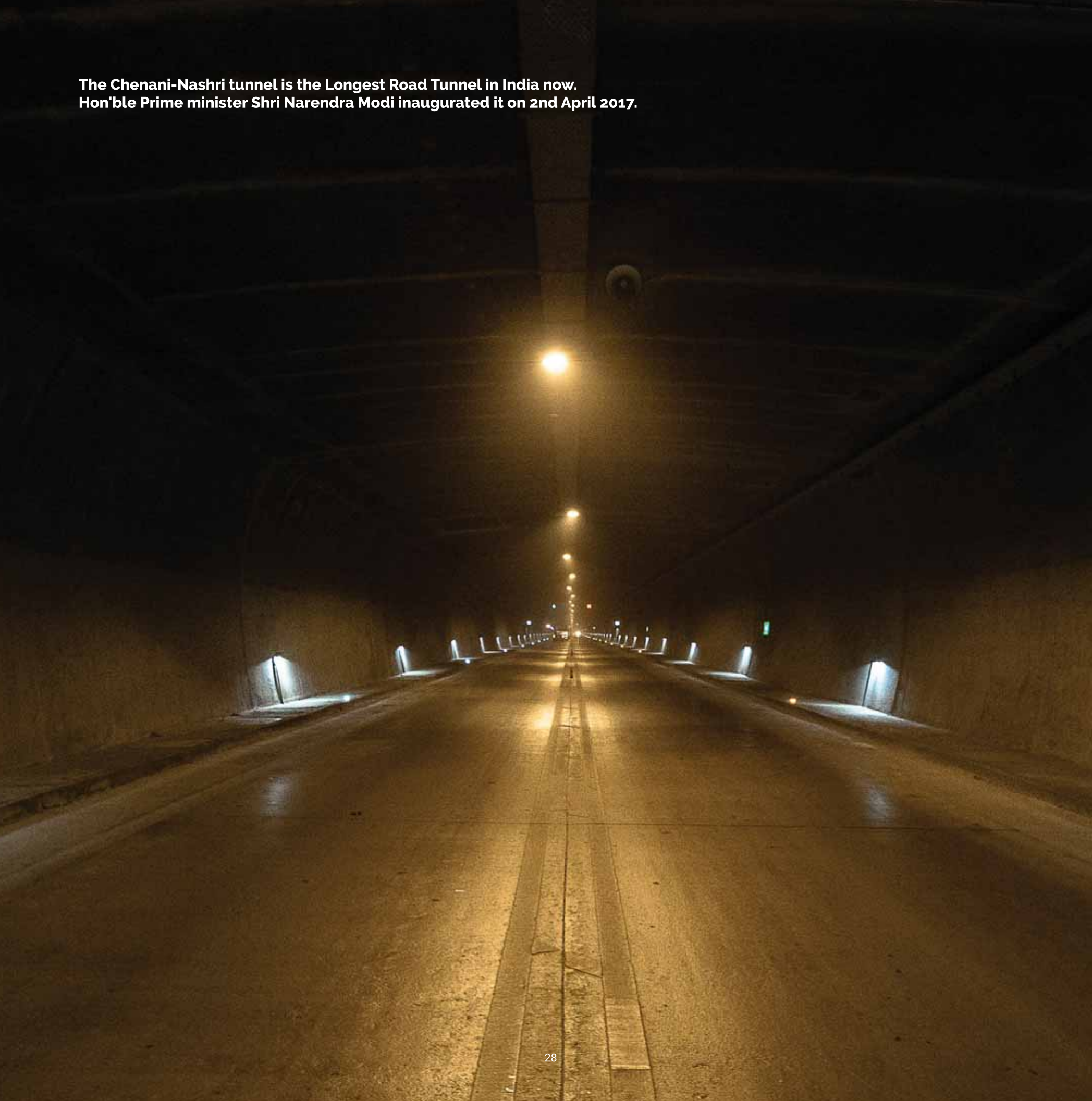
Client	: National Highway Authority of India
Location	: Jammu & Kashmir
Project Cost	: INR 1987 Cr
Services Provided	: Independent Engineer

CHALLENGES

- The site falls in an earthquake-prone area.
- Excavation pace and primary support installation activity hampered due to over break and high inflow of water.
- Managing ground deformations in some areas.



The Chenani-Nashri tunnel is the Longest Road Tunnel in India now.
Hon'ble Prime minister Shri Narendra Modi inaugurated it on 2nd April 2017.



CHENANI NASHRI TUNNEL

INDEPENDENT ENGINEER SERVICES

At 9 km long, this is the longest road tunnel in the country. Located at an altitude of 4000 ft above mean sea level, amidst the snowy and mountainous terrain of Jammu and Kashmir, this tunnel acts as an all-weather alternative to the existing highway. The tunnel is the country's first and world's sixth road tunnel with a transverse ventilation system and reduces the distance between Jammu and Srinagar by 31 km, saving travel-time by almost two hours.

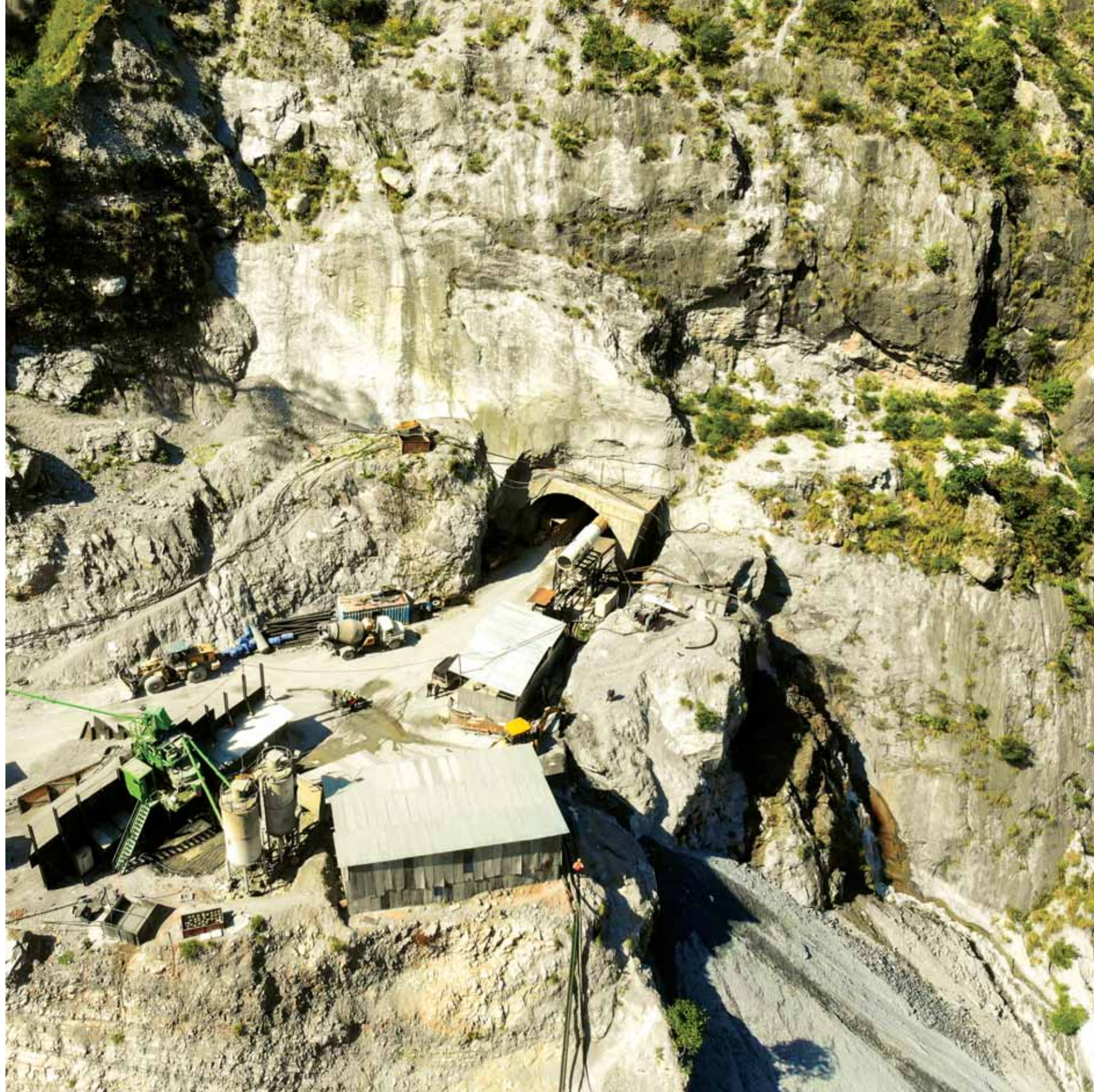
FACTS & KEY FEATURES

Client	: National Highway Authority of India
Location	: Udhampur, Jammu & Kashmir
Project Cost	: INR 3720 Cr
Services Provided	: Independent Engineering Services for O&M

CHALLENGES

- Coordinating the tunnel construction along with 4 lane work of National Highway.
- Suspended dust particles inside the tunnel caused visibility issues.
- Landslides during snowfall and rain due to geological conditions.





SAWALKOTE TUNNEL

PROJECT MANAGEMENT CONSULTANCY

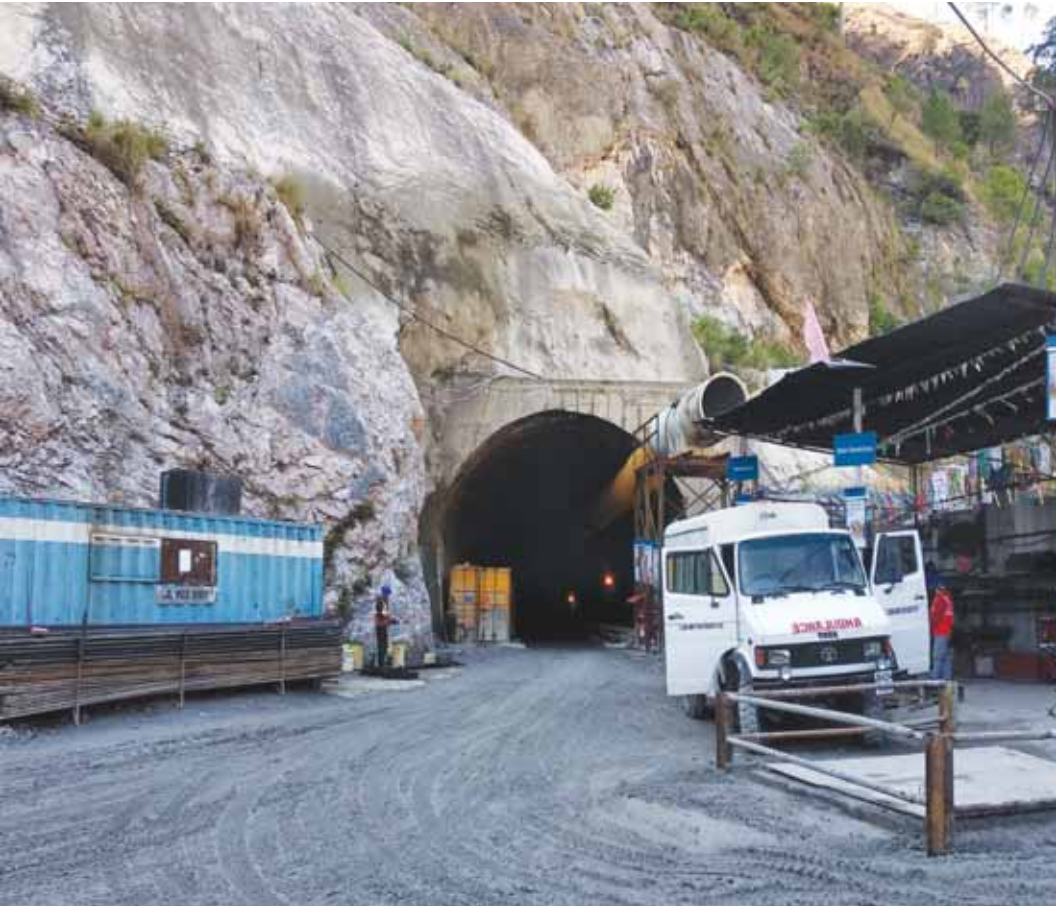
This horseshoe-shaped tunnel is being constructed as the main access tunnel to the dam site of the Sawalkote Hydro Electric Project (capacity 1856 MW) on the Chenab River. The project also comprises a river along with a steel structure bridge.

FACTS & KEY FEATURES

Client	: Jammu and Kashmir State Power Development Corporation Limited
Location	: Jammu & Kashmir
Services Provided	: Project Management Consultancy

CHALLENGES

- Flooding of tunnel due to heavy ingress of water.



ADDING MILES HIGHWAYS

Construction of the Jammu-Udhampur highway was an engineering challenge because of topography and terrain.



- ⚙️ **PLANNING AND DESIGN**
- ⚙️ **PROJECT MANAGEMENT**
- ⚙️ **AUTHORITY ENGINEER**
- ⚙️ **INDEPENDENT ENGINEER**
- ⚙️ **SUPERVISION**

RODIC's vast network of highways across India and beyond convert even the harshest into accessible areas, facilitating social and economic upliftment amongst the remotest communities. Our expertise and state-of-the-art technology are paving the way for the future of highway building.



GOA KUNDAPUR COASTAL HIGHWAY

INDEPENDENT ENGINEER

The combining of a futuristic design with cultural heritage is the hallmark of this project. We successfully preserved the Brahmajataka temple by building a box over the structure and constructing the main carriageway over it, while expanding a section of the two-laned NH17 highway between Goa/Karnataka border and Kundapur to four lanes.

FACTS & KEY FEATURES

Client	: National Highways Authority of India
Location	: Goa to Kundapur on Karnataka/Goa border
Project Cost	: INR 1655.01 Cr
	187.24 km section of NH 17; 120 km in the plain area, 45 km in rolling terrain, and 22.4 km in mountainous terrain. The project includes 2 railway over bridges, 4 flyovers, 14 major bridges, 39 minor bridges, 3 toll plazas
Services Provided	: Independent Engineer

CHALLENGES

- Construction period is restricted to mere seven months each year, owing to heavy rainfall.
- Massive rock-cutting is required to construct the road.
- Corrosion of construction equipments due to humidity in the area.
- Occurrence of high tides as the road runs along the Arabian coastline.





DELHI AGRA SIX-LANE HIGHWAY

INDEPENDENT ENGINEER

Connecting the holy cities of Mathura and Vrindavan, this historical pilgrimage route has been modernised into a six-lane highway that runs for 179.5 km. It includes 53.19 km of rigid pavement, two major bridges, fourteen flyovers, eight road over bridges, two toll plazas, and a major four-way intersection at Palwal.

FACTS & KEY FEATURES

Client	: National Highway Authority of India
Location	: Haryana and Uttar Pradesh
Project Cost	: INR 2945 Cr (DBFOT) + INR 353 Cr (EPC)
Services Provided	: Independent Engineer

CHALLENGES

- Construction in densely populated habitations.
- Retaining the integrity of many ancient heritage structures due to the historical importance of the location.





INDIA MYANMAR THAILAND HIGHWAY

AUTHORITY ENGINEER

Upgradation of Yagyi – Kalewa section from Milepost 40/0 to Milepost 115/5 in Myanmar to Two Lane with Earthen Shoulder on EPC mode.

Bringing India closer to her eastern neighbours, this all-weather highway will play a major role in boosting trade, tourism and commerce with ASEAN countries and furthering India’s “Look East” policy.

Beginning in the border town of Moreh in Manipur, it passes through the town of Tamu in Myanmar and ends at Moe Sot along the Thailand–Myanmar border.

FACTS & KEY FEATURES

Client	: MEA, Government of India (Represented by National Highways Authority of India, India)
Location	: Myanmar
Project Cost	: INR 1177.00 Cr
Length	: 112.141 km
Services Provided	: Authority Engineer

CHALLENGES

- Construction work in the remote highway as it was built amidst thick forest and hilly terrain.
- Procurement and availability of construction material, machineries, plants and workforce.



CHARTING NEW WAVES

INLAND WATERWAYS PORTS & WATERWAYS



- ⚙️ **PLANNING DESIGN**
- ⚙️ **PROJECT MANAGEMENT**
- ⚙️ **AUTHORITY'S ENGINEER**
- ⚙️ **INDEPENDENT ENGINEER**
- ⚙️ **SUPERVISION**

Inland waterways have been integral to trade for centuries and continue to be essential in large-scale cargo shipping. RODIC provides complete project management solutions for the development of modern and sustainable inland waterways transport systems, including services such as market research, environmental feasibility, and strategic studies.



PROJECT MANAGEMENT UNIT FOR DEVELOPMENT OF NATIONAL **WATERWAYS IN MAHARASHTRA AT JN PORT**

PROJECT MANAGEMENT & SUPERVISION

To decongest road traffic and to boost cargo movement by water, the Inland Waterways Authority of India (IWAI) is now developing National Waterways all over India. RODIC has been given the responsibility to manage projects and supervise consulting for these prestigious projects in coastal Maharashtra.

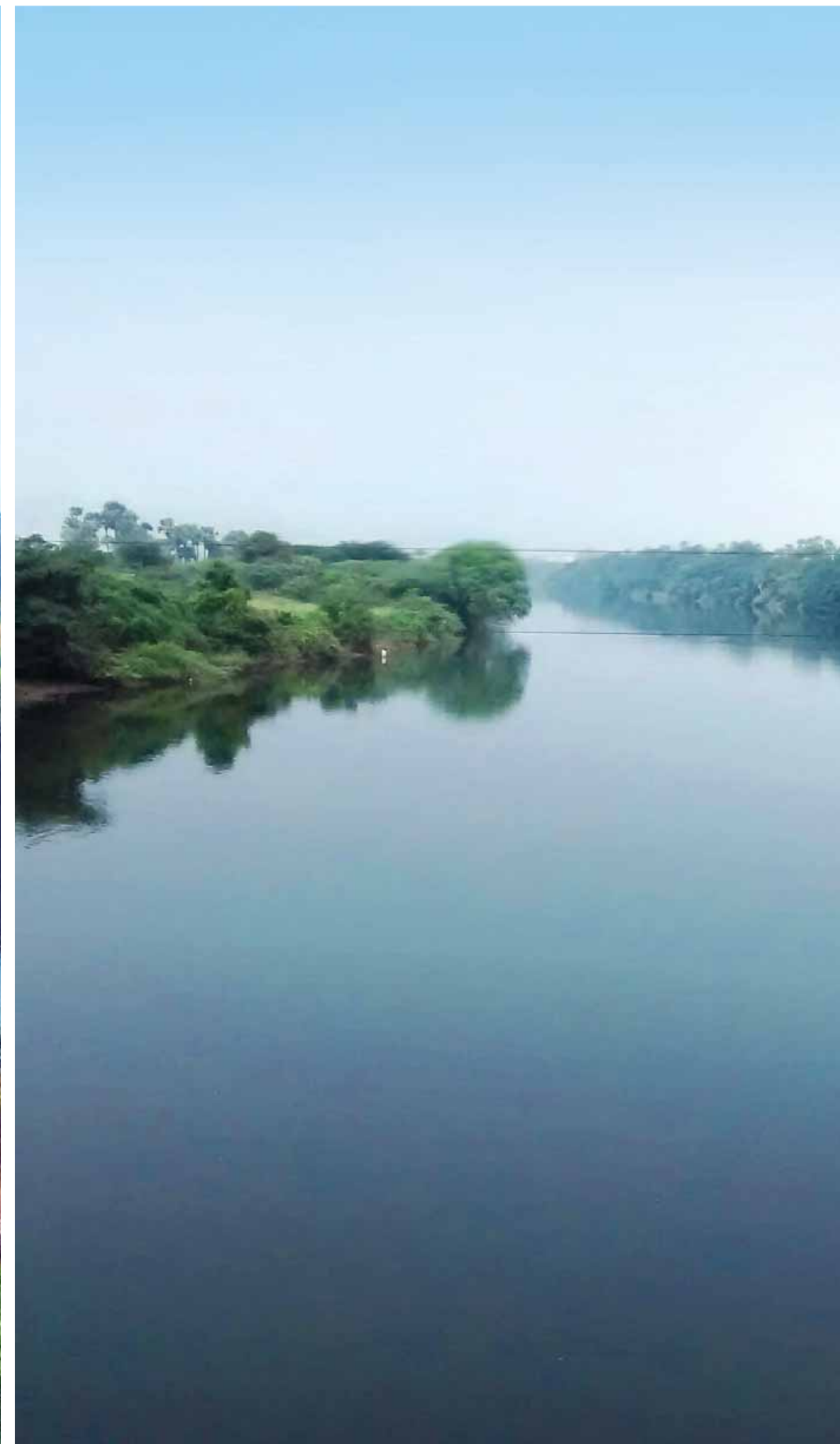
FACTS & KEY FEATURES

Client	: JNPT
Location	: Maharashtra
Project Cost	: INR 900 Cr
Total Length of	
Waterways to develop	: 144 km
Services Provided	: Project Management & Supervision

CHALLENGES

- The proposed navigational rivers flowing to Mumbai's creek pass through difficult terrain.
- Immaculate coordination with multiple government and private entities.





TRANSACTION ADVISORY SERVICES FOR DEVELOPMENT OF **NATIONAL WATERWAYS 4 & 5**

BID PROCESS MANAGEMENT

Our aim in this project was to identify specific stretches of the NW-4 and NW-5 that are suitable to be developed by private-public partnerships. This project also involves the modernisation and up-gradation of canals along the waterways.

FACTS & KEY FEATURES

Client : Inland Waterways Authority of India (IWA)
Location : Tamil Nadu, Andhra Pradesh, Telangana, Odisha and West Bengal
Length : Total length of study is 1078 km
Services Provided : Bid Process Management



SURGING AHEAD

RAILWAYS & METRO



- ⚙️ **PLANNING DESIGN**
- ⚙️ **PROJECT MANAGEMENT**
- ⚙️ **AUTHORITY'S ENGINEER**
- ⚙️ **INDEPENDENT ENGINEER**
- ⚙️ **SUPERVISION**

The pulse of India's transportation, rails and metros accelerate the growing pace of modern life. Rodic's contribution begins right from their conceptualisation stage through reviewing design and drawings to supervision and monitoring of heavy urban and sub-urban projects and metro projects.



DEDICATED FREIGHT CORRIDOR CORPORATION PROJECT (NEW KARWANDIYA TO NEW GANJ KHWAJA)

PROJECT MANAGEMENT

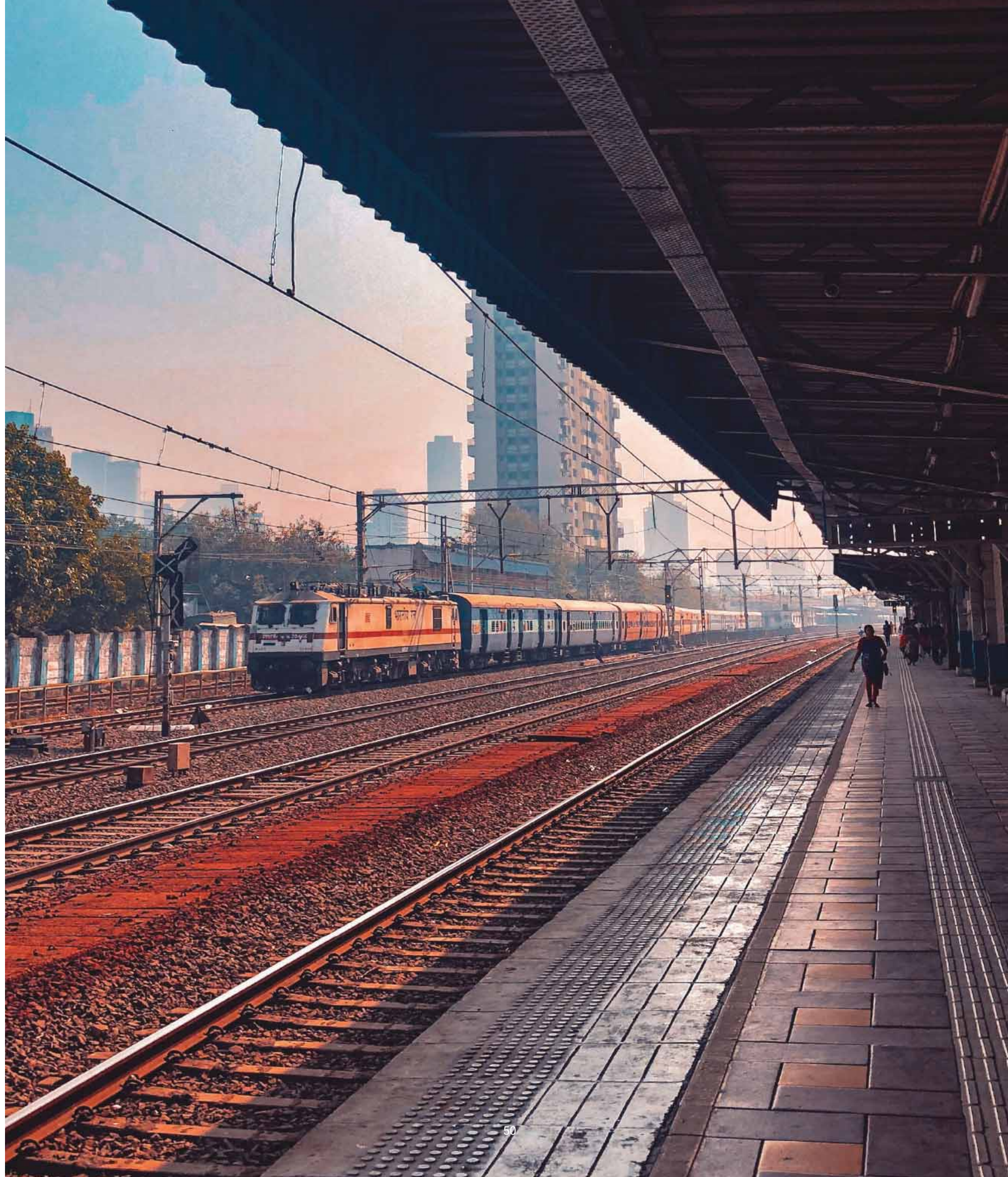
Traversing the densely populated states of Bihar and Uttar Pradesh, this 1840 km project forms the eastern arm of a dedicated freight corridor, offering a cost- and time-effective trade route between the two states. RODIC's consultancy services in a section of the corridor on the Mughalsarai-Sone Nagar route includes the building of over 200 bridges, 33 level crossings, and various rebuilding projects across the route.

FACTS & KEY FEATURES

Client	: Dedicated Freight Corridor Corporation of India
Location	: Bihar and Uttar Pradesh
Length	: 105 km (approx.)
Project Cost	: INR 700 Cr
Services Provided	: Project Management

CHALLENGES

- Acquiring land for the project.
- Flooding of the river along the mainline of Indian Railways impacted the overall construction activities.



MUMBAI RAIL MUMBAI URBAN TRANSPORT PROJECT (MUTP) III

BID PROCESS MANAGEMENT AND PROJECT MANAGEMENT CONSULTANCY

In Mumbai, the city that never sleeps, railway routes form the veins of its liveliness and bustle. Each day, 8 million Mumbaikars depend upon the trains for economical and speedy commutes. To meet the demands of the ever-growing passenger population, RODIC's contribution in this project lies in the augmentation of the existing rail infrastructure to expand commuter capacity and to provide a hassle-free, less crowded, and efficient rail network for the city.

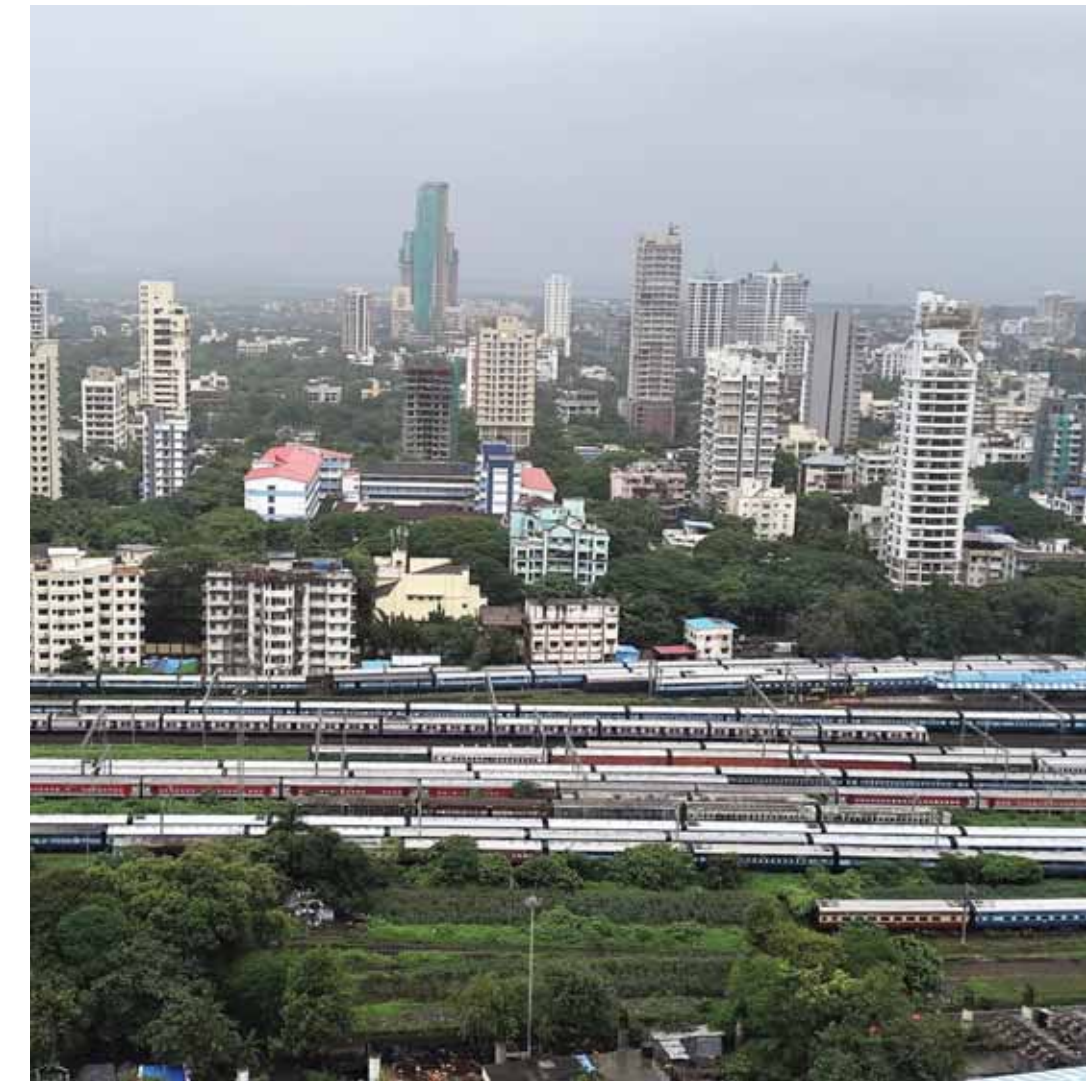
FACTS & KEY FEATURES

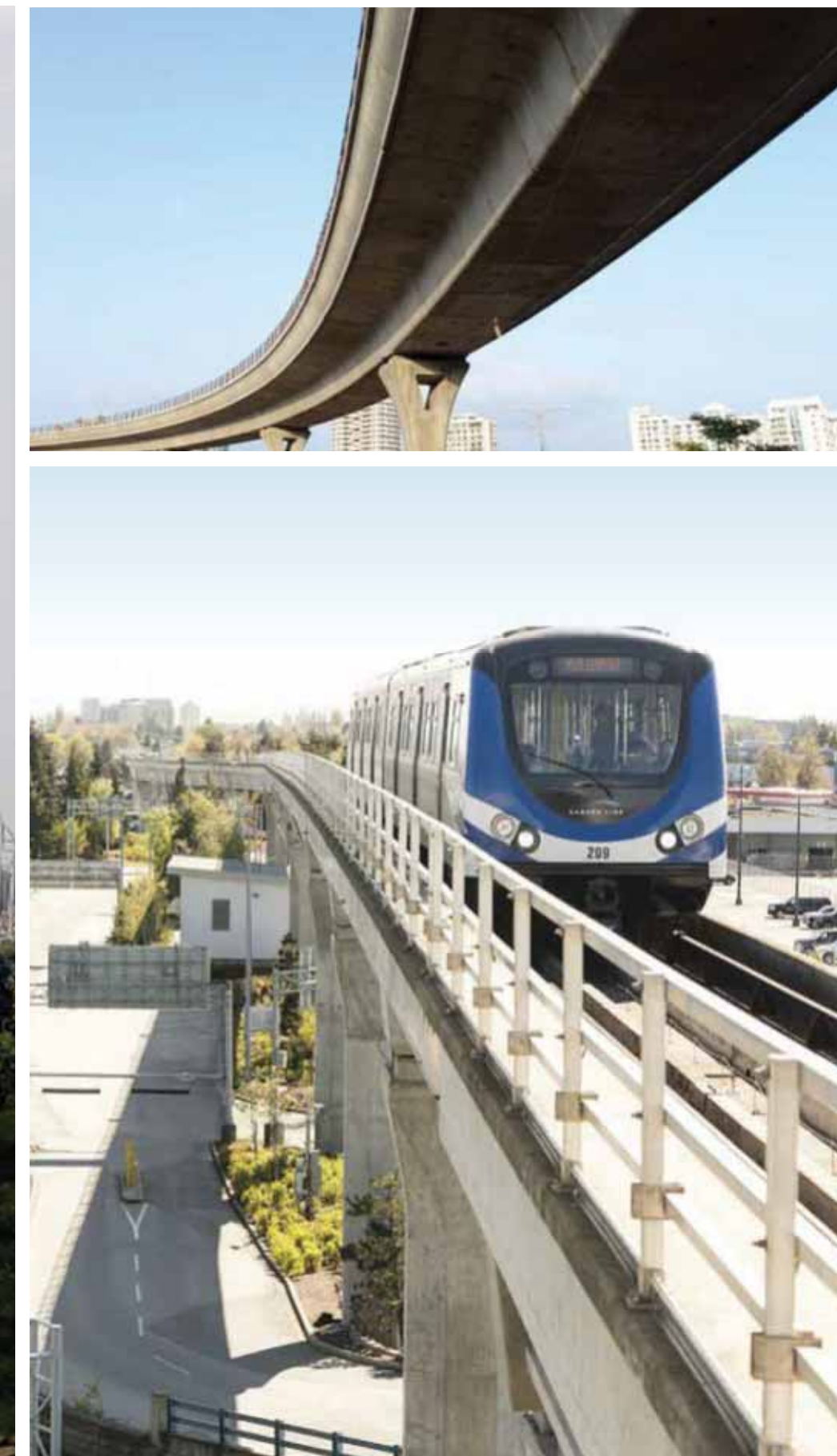
Client	: Mumbai Railway Vikas Corporation Ltd. (MRVC Ltd.)
Funding Agency	: The Asian Infrastructure Investment Bank (AIIB)
Location	: Maharashtra
Project Cost	: INR 7000 Cr (approx.)
Services Provided	: Bid process Management and Project Management Consultancy

Key Features: Project broadly comprises Earthwork in Filling (28.40 Lacs.m3) and in Cutting (7.4 Lacs.m3). Major Bridges (22 no's), Minor Bridges (105 no's), ROB (10 no's), RUB (23 no's), 3 no's Tunnel, one with the longest tunnel length as 2.60 Km Long and Mid-section tress Pass (36 no's) along with the Signalling and Telecom and Overhead Electrification works.

CHALLENGES

- Construction work near densely populated areas and active railway lines.
- The construction work adjacent to existing railway tracks poses a great challenge.





PUNE METRO LINE 3

(SHIVAJINAGAR – HINJEWADI)

INDEPENDENT ENGINEERING

In recent years, Pune has become a hub of IT professionals and companies, making it a modern, fast-growing city, pulsating with youthful energy. To cater to the needs of this growing IT community, the Pune Metro line-3 connects Pune city to the Hinjewadi IT hub and Industrial areas. To make public transport seamless, the line also connects with the multimodal transit hub planned along NH-48 in Balewadi, which integrates with inter and intra-city bus services.

FACTS & KEY FEATURES

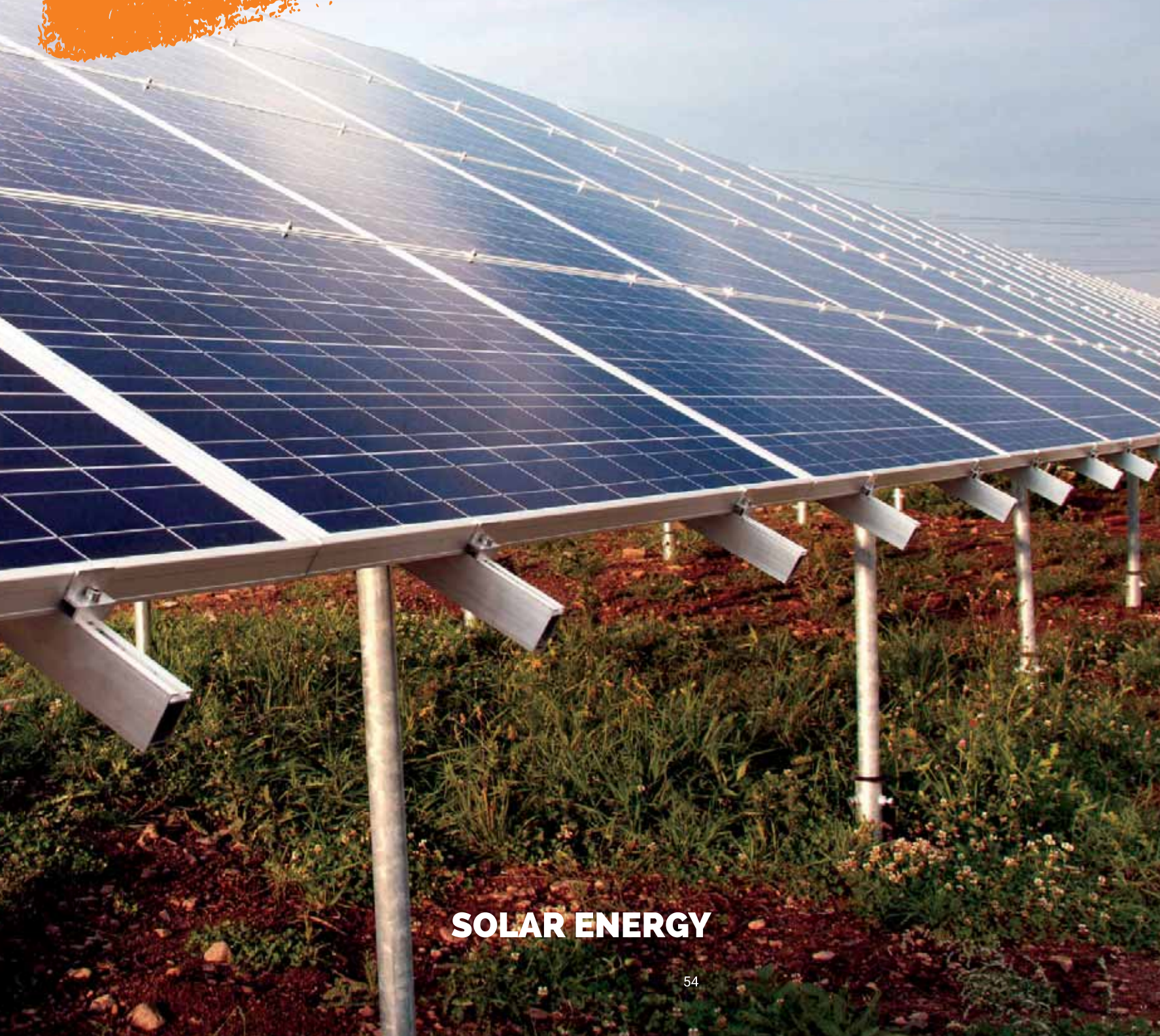
Client	: Pune, Maharashtra
Project Cost	: INR 8,300 Cr
Project Length	: Elevated corridor of 23.689 km
No. of Stations	: 23
Services Provided	: Independent Engineering

CHALLENGES

- Limited availability of land and management issues in densely populated areas.
- Threat of oncoming traffic near the construction site.
- Following safety and environmental procedures.

GO GREEN

POWER & ENERGY



SOLAR ENERGY



TRANSMISSION & DISTRIBUTION



HYDROPOWER



- ⚙️ **PLANNING DESIGN**
- ⚙️ **PROJECT MANAGEMENT**
- ⚙️ **AUTHORITY'S ENGINEER**
- ⚙️ **INDEPENDENT ENGINEER**
- ⚙️ **SUPERVISION**

In the years to come, natural and sustainable sources of energy will be paramount to the sustenance of human life. Keeping this in mind, RODIC's involvement in the generation of clean energy through hydro, solar, and wind projects has been undertaken to conserve the environment and control harmful carbon emissions.



HYDROPOWER PARNAI HYDROELECTRIC POWER PROJECT

PROJECT MANAGEMENT CONSULTANCY

Amidst the pristine valleys of Jammu and Kashmir, the winding River Suran will be home to this run-off-the-river plant. The project will benefit the surrounding settlements in district Poonch by generating 224 million units of energy every year and the water released will irrigate 4000 hectares of dry land, increasing the land fertility of the area.

FACTS & KEY FEATURES

Client	: Jammu & Kashmir State Power Development Corporation Ltd.
Location	: Jammu & Kashmir
Energy Produced	: 224 MU annually
Capacity	: 37.5 MW
Key Features	: (HRT) 9.24 km, Steel Penstock 1.76 km long
Project Cost	: INR 640.86 Cr
Services Provided	: Project Management Consultancy

CHALLENGES

- Cavity/chimney formations due to heavy ingress of water.
- Re-alignment of the main road and road cutting permission by the Government.





RENEWABLE ENERGY SOLAR SOLUTION FOR THE STATE OF BIHAR

PROJECT MANAGEMENT

With a population of over 9 crores, Bihar's energy demand is expected to rise in the coming years. To facilitate the need, RODIC is assisting the Bihar Renewable Energy Department to conceptualise the commissioning of all Solar Power Works across the state. In meticulously monitoring and administering the implementation of the renewable energy project, RODIC ensures that the state is well equipped for the future.

FACTS & KEY FEATURES

Client	: Bihar Renewable Energy Development Agency
Project	: Complete Solar Solution for Bihar
Location	: Bihar
Project Cost	: INR 350 Cr
Services Provided	: Project Management

CHALLENGES

- Accessibility to far-flung and remote rural areas.
- Implementing an efficient reporting and user maintenance mechanism.



WIND ENERGY

Aiming to support the government's clean energy initiative and renewable energy commitment, RODIC has diversified into assets-based business and invested in a windmill project in Madhya Pradesh. The machines used by RODIC are best suited for low wind speed areas and are one of the most versatile platforms available in the global market. The annual consumption of electricity in RODIC is hardly 10% of its yearly generation (11 million units). Thus, the project has enabled RODIC to reduce its carbon foot-prints and catapulted it into the category of a 'Green Company.'

FACTS & KEY FEATURES

Owner	: RODIC
Project	: Establishment of a windmill project to produce renewable energy
Location	: Dewas and Ratlam districts in Madhya Pradesh
Project Cost	: INR 46 Cr
Project capacity	: 6 MW





POWER & ENERGY

DEENDAYAL UPADHYAYA GRAM JYOTI YOJANA

PROJECT MANAGEMENT

The Deendayal Upadhyaya Gram Jyoti Yojana is a flagship scheme of the central government aimed at the creation of infrastructure to provide electricity to all houses as well as for agricultural purposes in rural areas. For RODIC, it provided an opportunity to facilitate the systematic and judicious supply of energy to even the most remote areas. This also included the strengthening and augmenting of the existing energy infrastructures.

FACTS & KEY FEATURES

Client	: North Bihar Power Distribution Company Limited
Location	: Araria, Begusarai, Chapra, Darbhanga, East Champaran, Gopalganj, Katihar, Kishanganj, Khagari, Muzaffarpur, Madhepura, Purnea, Samastipur, Supaul, Sitamarhi, Saharsa, Siwan, Sheohar, West Champaran and Vaishali
Project Cost	: INR 3991.58 Cr
Services Provided	: Project Management

CHALLENGES

- Implementing an efficient reporting and user maintenance mechanism in rural areas.
- Ensuring compliance with engineering designs and technical specifications.

AGENCY SERVICES

MULTIMODAL TRANSPORT & ITS



- ⚙️ **PLANNING DESIGN**
- ⚙️ **PROJECT MANAGEMENT**
- ⚙️ **AUTHORITY'S ENGINEER**
- ⚙️ **INDEPENDENT ENGINEER**
- ⚙️ **SUPERVISION**

To enable different transportation systems in a city to co-exist and work cohesively, it is essential to create Multimodal Transport and Intelligent Transportation System (ITS) to offer seamless travel experience to commuters and to improve their quality of life. Our experts at RODIC, can cover all aspects of ITS for all transportation modes and relevant infrastructure.



EASTERN PERIPHERAL EXPRESSWAY PROJECT

PROJECT MANAGEMENT & SUPERVISION

This project has been conceived to implement the state-of-the-art electronic system on the existing expressway to provide an enhanced user experience. The ITS comprises the up-gradation and automation of toll plazas, and advanced traffic management systems that include cameras, LED signboards, and data collection systems to collect data related to the weather and plying vehicles. We are proud to be part of the future of transport.

FACTS & KEY FEATURES

Client	: National Highway Authority of India
Location	: Delhi, Haryana and Uttar Pradesh
Project Cost	: INR 233.29 Cr
Highway length	: 136 km
Services Provided	: Review of ITS design, supervision of implementation including quality check and system testing, training / technology transfer, supervision of Operations & Maintenance

CHALLENGES

- Migrating the existing Toll Management System (TMS) to new TMS, without loss of revenue to the operator.



BUILDING BETTER CITIES

URBAN & INDUSTRIAL DEVELOPMENT



- ⚙️ **PLANNING DESIGN**
- ⚙️ **PROJECT MANAGEMENT**
- ⚙️ **AUTHORITY'S ENGINEER**
- ⚙️ **INDEPENDENT ENGINEER**
- ⚙️ **SUPERVISION**

RODIC has constantly striven to innovate and design better models of infrastructure, to improve the quality of life for citizens. We tackle urban challenges to transform cities and regions by partnering with various government and private stakeholders. Retaining these cities' cultural and heritage assets while reducing our carbon footprint are the key drivers for such developments.

Overview of Maharaja Hari Singh Statue along with the Tawi Bridges



JAMMU SMART CITY PROJECT

PROJECT MANAGEMENT & SUPERVISION

The vision of Jammu Smart City Project is 'Transforming Jammu into a Sustainable and Economically Vibrant City', focusing on tourism, quality of life and trade by leveraging its heritage and location. By building better tourism infrastructures, upgrading public amenities and performing green interventions.

This project's target is to create an inclusive, aware and responsible society.

FACTS & KEY FEATURES

Client	: Jammu Smart City Limited
Location	: Jammu
Project Cost	: INR 3464 Cr
Total Area	: 860 Acres
Services Provided	: Master Planning, Design & Development, Project Management, Bid Process Management & Construction Supervision

CHALLENGES

- Developing and implementing 60 sub projects in a span of 3 years.
- Availability of Land Parcel.
- Attracting private projects to Jammu.
- Interfacing with multiple government and private stakeholders.





POWER MUSEUM COMPLEX

PROJECT MANAGEMENT CONSULTANCY INCLUDING ARCHITECTURAL, ENGINEERING & LANDSCAPING DESIGN, BID PROCESS MANAGEMENT AND CONSTRUCTION SUPERVISION

A first of its kind in Asia, this mixed-use, transit-oriented development called the "Edu-tainment Project," stresses upon the rich cultural, historical and educational background of Bihar. Situated right in the heart of Patna, next to the existing railway station, the site is perfect for becoming the next Central Business District of the city. The 'Edu-tainment Hub' is designed using the latest interactive technologies aimed at imparting knowledge about every form of power.

FACTS & KEY FEATURES

Client	: Bihar State Power Holding Company Limited
Location	: Patna
Project Cost	: INR 207 Cr
Site Area	: 5.6 acres
Heritage Component	: Conversion of 85 years old Power Plant into a Museum Complex, soon to get the Heritage Tag
Services Provided	: Project Management Consultancy including Architectural, Engineering and Landscaping Design, Bid Process Management and Construction Supervision

CHALLENGES

- Retaining footprints of the old power plant and amalgamating it with modern technologies.
- Re-using the 42.5 m high chimney and overall structural strengthening of the museum.

CONSERVING ENERGY

WATER & ENVIRONMENT



- ⚙️ **PLANNING DESIGN**
- ⚙️ **PROJECT MANAGEMENT**
- ⚙️ **AUTHORITY'S ENGINEER**
- ⚙️ **INDEPENDENT ENGINEER**
- ⚙️ **SUPERVISION**

With the earth's natural resources depleting rapidly, proper resource and environment management have to be prioritised to ensure a sustainable future. RODIC boasts of a long-established tradition in water management and hydraulic engineering, with our qualified water and environment experts providing professional advice regarding all phases of the water cycle.



UTTARAKHAND URBAN SECTOR DEVELOPMENT INVESTMENT PROGRAMME

GARHWAL REGION-PACKAGE 1

DESIGN AND CONSTRUCTION SUPERVISION

High up in the scenic mountain towns of Dehradun and Roorkee in Uttarakhand, this project aims to bring about regional and socio-economic development to the area. Its key contributions will include municipal solid waste management, development of water supply systems, and building of sewage systems – maintaining the pristine beauty of these places and boosting their economies through increased tourist inflows.

FACTS & KEY FEATURES

Client : Uttarakhand Urban Sector Development Investment Program, Government of Uttarakhand

Location : Dehradun and Roorkee

Funding Agency : Asian Development Bank

Services Provided : Design and Construction Supervision

CHALLENGES

- Land availability for development of WTP/STPs.
- Identifying and relocating underground utilities.





JHARKHAND MUNICIPAL DEVELOPMENT PROJECT

DESIGN REVIEW, CONSTRUCTION, SUPERVISION & QUALITY CONTROL

Upon its completion, this project will play a major role in accelerating urban infrastructure development in Jharkhand and thereby improving the quality of life for the state's residents. Key initiatives include the building of water supply systems, integrated sewage and draining, integrated solid waste management, and roads.

FACTS & KEY FEATURES

Client	: Jharkhand Urban Infrastructure Development Company Limited (JUIDCO)
Location	: Khunti and Dhanbad towns in Jharkhand
Project Cost	: INR 390.8 Cr
Funding by	: World Bank
Services Provided	: Design review, Construction, Supervision & Quality Control

CHALLENGES

- Demolition of existing pre-stressed Box Girder Bridge.
- Transplantation of 2800 mature trees.

RODIC COFFEE ESTATE



Set over 450 acres against the panoramic countryside of Hoskote village in Karnataka, the sprawling Aradhana estate is where our coffee is grown. Producing Robusta and Arabica, the two most aromatic species of coffee, the estate overlooks the imposing signature rock formations of Aradhana cliffs. Home to several varieties of rare birds and species of flora and fauna, the estate offers breathtaking views of sunrises and sunsets.



STRIDES IN NATION BUILDING SUSTAINABILITY AND CSR



At RODIC, our CSR team carefully selects our various initiatives upon thorough research. We aim to foster self-sustainable projects by emphasising upon their complete life-cycle management, to ensure long term impacts on society.



SUPPORTING WOMEN

EMPOWERMENT INITIATIVES

RODIC believes that the future of the country is possible only with the empowerment of women. We are committed to encouraging the potential of women from different walks of life and believe in spreading this much-needed message across communities. In October 2017, we sponsored a two-member NCC female cadet team who embarked on an All India Cycling Expedition. The two brave cadets not only covered 25,000 km but also spread the twin messages of "Unity in Diversity" and "Women Empowerment."

GREEN INITIATIVE



For several years, RODIC's 'Green Yatra' initiative has been an extension of our commitment to creating a sustainable environment and reducing our carbon footprint.

2500 saplings of the indigenous trees like Jamun, Neem and Arjun were planted along the Eastern Peripheral Expressway. We pledge to continue the green yatra initiative year after year.

LENDING A HELPING HAND

Nelson Mandela rightly said, "Our Children are our greatest treasure. They are our future". RODIC strives to help children, especially those from the poorest sections, lead better lives by supplementing their access to education and improving their quality of learning. Whether it is providing aid to orphaned children, enhancing education facilities in schools, or even sponsoring individuals, RODIC passionately steps up to deliver a lending hand for the children.

As a part of our 19th Foundation Day, team RODIC visited Bal Sahyog, an NGO involved in the care of and protection of orphaned, abandoned and neglected children. We distributed school books to children from classes six through eight, and engaged them in an interactive lunch session which we collectively enjoyed.

Through another NGO, NIMITTA, RODIC provided access to books via a mobile library to more than 500 children in nine villages in Ranchi. The books, in Hindi and English, were for children aged between 4 and 14.

We take this opportunity to specially mention our CMD, Mr. Raj Kumar, whose personal effort enabled 18-year old Chandra Prakash Kumar to pursue his dream of enrolling in a B.Tech programme. Chandra's father worked as a cook in a company guesthouse, and his untimely demise in 2017 put the family through hard times. RODIC rose to the occasion, funding his B.Tech fees as well as encouraging Chandra's sister to prepare for her CA exams.



IMPROVING QUALITY OF LEARNING

RODIC also tries to support initiatives that improve the quality of learning, such as the construction of school laboratories. When RODIC was approached to renovate the existing science laboratories at a Government Girl's Inter College in Dehradun, our CMD Raj Kumar volunteered to construct new ones. Three modern state-of-the-art labs for Physics, Chemistry and Biology were built anew, and they were later inaugurated by Shri Trivendra Singh Rawat, Hon'ble Chief Minister of Uttarakhand. Along with three science labs, RODIC also established a herbal garden in the college where a variety of herbal plants were planted.

RODIC's commitment to serving children will continue to inspire us in the coming years. Even amidst the pandemic, RODIC has donated furniture to local schools in Bihar.



BUILDING SMART CLASSROOMS

We support the digitisation of classrooms to enhance the learning experience of students. Online learning and using internet-based technologies in schools is the need of the hour today. RODIC helped establish fully functional smart classes in three government schools in Chandauli district of Uttar Pradesh. Thanks to this initiative, students of Aditya Narayan Rajkiya Inter College in Chakia, Rajkiya Balika Inter College in Saiyadraja and Rajkiya Inter College in Naugarhare now enjoying learning with multi-dimensional display systems and high-speed internet connectivity.

BEHIND RODIC



RODIC's value is defined by our employees who include industry stalwarts with over 30 years of experience. Our management team is instrumental in our evolution and success, as they expand the organisation's practice across borders by partnering with clients and overcoming most complex challenges and building legacies for generations to come.



OUR STRENGTH



Any company is only as good as its employees, and for us, Rodicians are our very backbone. Since our humble beginnings in 2000, we have expanded and become a 2000 plus team of highly experienced and service-oriented professionals. Our employees are our most valuable assets and the foundation of the company's success.

RODIC is headquartered in New Delhi with regional offices in Mumbai, Kolkata, Patna, Jammu, Ranchi, Bengaluru, Guwahati and Ahmedabad. Our project sites are located all over the country and in Myanmar.

Our employees, who come from a wide range of cultural, educational and geographical backgrounds, are a constant source of inspiration. With such an interesting mix of employees, we can generate new ideas and anticipate market trends.



LIKE A FAMILY

RODIC believes in investing in our employees to help them develop their full potential. Following best practices in terms of administration and office management, we have designed our work environment to meet global standards and reinvented the modern workplace as a driver for health and sustainability.

Our regular employee training programmes along with our highly motivated work culture encourage the nurturing of talent at professional and personal levels. Our leadership orientations are conducted by the finest professionals, who mentor our employees to promote inter-personal skills, using new technology, creative thinking, office efficiency and healthy work ethics. All our team members value the attributes of professionalism – competency, honesty, integrity, accountability, and regulation.

Upholding gender equality is of utmost importance for RODIC. We periodically hold separate leadership programs for our female employees as part of our commitment to include more women in our top management.

At RODIC, we also like to have fun! Our sporting events, both at inter-office and client-management levels, are known for their bonhomie. Such events lead to long-term relationships between our employees as well as clients.

When it comes to taking care of our employees' health, we are second to none in the industry. To keep them in shape, RODIC regularly conducts health camps and periodic testing. We also run regular blood donation camps where Rodicians donate blood and help to save lives. Such camps are being conducted in association with the All India Institute of Medical Sciences (Trauma Centre).



**CELEBRATING 20 YEARS OF
ENGINEERING EXCELLENCE**
**FOUNDATION DAY
CELEBRATIONS**



On 20 June 2020, RODIC crossed another milestone as it celebrated its 20th year of committed excellence and innovation. Rodicians across India and Myanmar remained resilient in the face of the pandemic and participated in the week-long celebrations with much enthusiasm via broadcasting software and webinars.

We began our celebrations on 15th June, with members from RODIC's 8 regional offices displaying their unique talents. Both our employees and their families participated in the cultural fiesta with full gusto, providing us much-needed fun in these times. Organised by our core cultural team, the virtual celebrations also included an appreciation segment acknowledging employees who have done exceptionally well and honouring those who have been associated with RODIC for 10 to 15 years. The grand finale celebration included a cake cutting ceremony at the headquarters with a few team members. At the end of each programme, the CMD graced the ceremony by sharing his vote of thanks.

The week-long webinar celebrations continued with the same enthusiasm, ensuring that every Rodician was involved. Over 200 plus members participated and showcased their talents through dance, song and skits performances. This truly defined the spirit of a Rodician – who are many in body but one at mind.

Special appreciation goes to our corporate communications and core cultural team who initiated the webinar at the RODIC headquarters, and the dedicated behind-the-scene members and participants who effortlessly pulled off the large-scale event amidst the current pandemic.

As RODIC turns 20 in 2020, this year marks the era of digital transformations that have long been envisioned. RODIC will continue to advance in our ongoing and future projects with even more significant momentum, bringing about much happiness and social good.

On this occasion, each Rodician pledges to become the driver of a new RODIC Renaissance in their local units, and integrate the spirit of 'you and me together – Invincible Forever' across all respective regions.

AWARDS



2017 SME BUSINESS EXCELLENCE AWARD

Awarded in Mid-Corporate Segment by Dun and Bradstreet; RBL Bank.

2016 CIDC VISWAKARMA AWARD



2017 TRACE CERTIFIED AWARD



2018 "HAR GHAR BIJLI" SAUBHAGYA SCHEME



2018 IEI INDUSTRY EXCELLENCE AWARD



2017 OUTSTANDING ACHIEVEMENT NOMINEE IEI INDUSTRY EXCELLENCE AWARD OUTSTANDING CONTRIBUTION AWARD



























2018 OUTSTANDING ACHIEVEMENT NOMINEE
Awarded in Infrastructure (YII) for project Chenani-Sudhmahadev.

2018 OUTSTANDING CONTRIBUTION AWARD
Awarded for successful completion of project Saubhagya Scheme in Bihar ahead of schedule by Bihar State Power Holding Company Ltd.

2016 BEST PROFESSIONALLY MANAGED COMPANY AWARD
Awarded CIDC Viswakarma by Construction Industry Development Council (CIDC)

2015 ACHIEVER'S AWARD
Awarded for performance excellence and cost effective approach towards projects completion by Bihar State Road Development Corporation Limited.

CLIENTS & FUNDING PARTNERS

					
 Illuminating lives...					
					
					 Asian Development Bank

CERTIFICATIONS

ISO 9001:2015 QUALITY MANAGEMENT SYSTEM (QMS)

ISO 9001:2015 Standard is based on the quality management principles described in ISO 9000. The descriptions include a statement of each principle, a rationale of why the principle is important for the organization, some examples of benefits associated with the principle and examples of typical actions to improve the organisation's performance when applying the principles.

The quality management principles are: Customer focus, leadership, engagement of people, process approach, improvement, evidence-based decision making, and relationship management.

ISO 14001:2015 ENVIRONMENTAL MANAGEMENT SYSTEM (EMS)

The purpose of ISO 14001:2015 is to provide Rodic with a framework to protect the environment and respond to changing environmental conditions in balance with socio-economic needs. It specifies requirements that enable Rodic to achieve the intended outcomes it sets for its environmental management system.

ISO 18001:2007 OCCUPATIONAL HEALTH AND SAFETY ASSESSMENT SERIES (OHSAS)

This Occupational Health and Safety Assessment Series (OHSAS) Standard has been developed in response to organization demand for a recognizable occupational health and safety management system standard against which their management systems can be assessed and certified. Rodic is increasingly concerned with achieving and demonstrating sound occupational health and safety (OH&S) performance by controlling OH&S risks. Rodic is committed to following the best international standard practices outlined in ISO 9001, 14001 and 18001 standards and accordingly certified with these three internationally acclaimed certifications.