



I-TRANS 2023

1st - 3rd March 2023

Pragati Maidan, New Delhi, India

DYNAMICALLY TO NEW FRONTIERS

अग्रे सरन्तु



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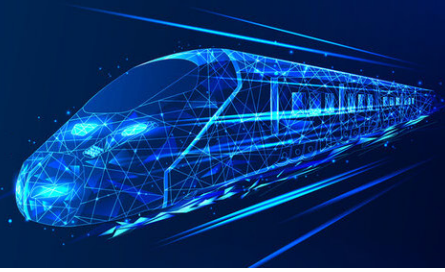
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PRODUCT PROFILE

Transport

Rail Technology for Public Transport:

- Public Transport Rail Cars
- Multi City Long Distance Rail Cars
- Urban Area Rail Cars (Mono/light metros & Subways)
- Engine Motor Units
- Generator Car

Rail Technology for Freight Transport

- Flat Cars
- Covered Cars
- Self Discharging Cars
- Special Purpose Cars
- Tank Cars

Other Rail Technologies

- Magnetic-levitation Technology
- Narrow Gauge
- Intermodel Vehicles
- Special Purpose Vehicles
- Rack Railway Trains

Fixed Structures: Stations & Public Utility

- Rail & Metro Stations : Land
- Rail & Metro Stations: Elevated
- Rail & Metro Stations: Underground
- Passenger Information Systems
- Elevators and Escalators
- Platform Display Systems

Components & Assemblers

- Bogies & Car bodies
- Traction system
- Connection systems
- Couplers
- Lighting systems
- Locking technology & systems, Passenger counting system
- Wheel sets
- Lubricating system
- Composite materials
- Insulation materials
- Adhesives
- Lubricants
- Rubber moulded articles
- Sealing materials

Safety and Security Technology

- Control systems
- Fire protection
- Measurement/Examination/Control & test equipment
- Monitoring/Warning/Alarm systems
- Personal safety
- Protection against dangers
- Safety equipment/systems

Road Bound Vehicle Technology & Logistics

- Intermodel Transport Vehicles
- Railway Freeways
- Railway Seaways
- Logistics in Railways
- Hazardous Cargo Transport
- Fleet Management Systems

Construction, Infrastructure & Commissioning

- Construction machines,
- Access equipment
- Construction Site equipment,
- Cables and accessories
- Compressors and pneumatical tools
- Conveyor belt and systems
- Cranes/Lifting equipment
- Crushing machines
- Drilling Machines & Platforms,
- Excavation Machines
- Full face TBMs
- Geotechnical Instruments
- Grouting, pouring and injection machines
- Heading shields/wears
- Hydraulic excavators & breakers
- Injection hose/packer Systems & accessories
- Lining & scaffolding,
- Track Construction Machines
- Microtunnelling and trenchless headings
- Moisture separators
- Pick wheels
- Piling equipment/systems
- Power Plant
- Pumps, Valves & Process Systems
- Rail-head-equipment/drilling jibs
- Rock-crushing equipment & Shaft boring devices
- Tunnel boring machines

Electrical Technology & Energy:

- Automation
- Electronics and Driving Systems
- Pneumatic Equipments
- Hydraulic drive system and accessories
- Traction motors
- Power supply systems
- Vehicle control systems
- FBMs
- Cables and Lines
- Batteries and chargers
- Isolate devices
- Safety systems
- Transformers
- Centenary
- Switch cabinets and accessories

Transport Management & Information Technology

- Communication & Interphone systems
- Train control systems
- Traffic Management Systems
- Radio & Remote Control system
- Rail operating Systems
- Signalling Systems
- Crossing systems
- Earthing systems
- Traffic information technology
- Data processing systems
- Internet systems
- Communication systems
- Infrastructure & Facility management systems,
- Scheduling systems
- Management systems
- Underground communications
- Video systems

AI & IOT in Rail Technology

- Driverless Technology
- Sensors
- Passenger Flow Tracking Systems
- Personalised Travel Experience Systems
- Light Detection & Ranging (LIDAR)
- Smart Gates & Smart Alarms
- Data Analytics
- Weather Tracking Systems
- Disaster Management Tracking Systems
- Smart Maintenance Monitoring System
- Accident prevention Systems
- Passenger Amenities enhancement System

Interior Furnishing & Technology

- Seats & Sleeper systems
- Air-conditioning systems
- Heating systems
- Flooring systems
- Furnishing & Accessories
- Lamps: General and Cabins
- Door systems and accessories
- Driver consoles
- Toilet systems
- Emergency systems
- Surveillance systems
- F&B and accessories
- Catering & Kitchen equipment



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WHY SHOULD YOU BE A PART OF I-TRANS 2023 ?



SOURCE

- Plethora of Products to source from
- Attend the Buyer- Seller Meets
- Get to know the latest technological advancements

LEARN

- Internationally reputed speakers
- Attend the Procurement Workshops
- New Career Opportunities

GROWING DEMAND

- Increasing urbanisation and rising income (both urban and rural) are driving growth in the passenger segment.
- Growing industrialisation across the country has increased freight traffic in the last decade.
- India is projected to account for 40% of the total global share of rail activity by 2050.

ATTRACTIVE OPPORTUNITIES

- Freight traffic is set to increase significantly due to rising investments and private sector participation.
- Metro rail projects are being envisaged across many cities over the next ten years.

NETWORK

- Meet the Movers & Shakers of the Rail Industry
- Establish New & Refresh existing Contacts
- Expand your Trade Volume

HIGHTER INVESTMENT

- FDI inflow in railway-related components stood at US \$1.12 billion from April 2000 to June 2020
- Investment in Railway's infrastructure is estimated to increase from US \$58.96 billion in 2013-17RE to US \$124.13 billion in 2018-22E.^
- It is estimated that Railway's infrastructure would need an investment of Rs.50 lakh crores (US\$715 billion) between 2018-30.

POLICY SUPPORT

- The Government has increased the scope of PPP beyond providing maintenance and other such supporting roles. PPP is being utilised in areas such as redevelopment of stations, building private freight terminals and private container train operations.
- Government has allowed 100% FDI in the rail way sector.

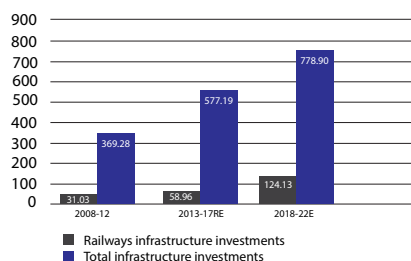
GROWTH DRIVERS & OPPORTUNITIES

RISING INCOME AND URBANISATION DRIVING PASSENGER TRAFFIC GROWTH

- Increasing incomes in urban and rural areas have made rail travel affordable to large number of Indians.
- Improvement of urban -rural connectivity has been another major contributor to the growth of Railways in the country.
- Population residing in urban areas is expected to increase from 460.78 million[^] in 2018 to 542.74 million[^] in 2025F. The percentage of India's total population residing in urban areas is expected to increase from 34.03%[^] in 2018 to 37.38%[^] in 2025F.

INFRASTRUCTURE DEVELOPMENT

- It is estimated that India will require US\$ 4.5 trillion of infrastructure investment by 2040 to enhance economic growth and community well being.
- Railway plans to invest Rs.50 lakh crore (US\$ 715.41 billion) by 2030 to build infrastructure.
- As per Union Budget 2020-21, Ministry of Railways has been allocated Rs. 72,216 crore (US\$ 10.33 billion).
- In FY20, 15 critical projects of around 562 kms track length worth Rs. 5,622 crore (US\$ 797.56 million) were completed, and out of these, 13 were commissioned by railways. Railways completed electrification of around 5,782 route kms during the same year. Rail Land Development Authority (RLDA) is working on Rs. 25,000 crore (US\$ 3.37 billion) long - term planned projects for the redevelopment of 123 railway stations, across the country, on a self-sustainable model, which is in line with smart city projects.



DEDICATED FREIGHT CORRIDOR

- DFCCIL, a special purpose vehicle, was set up for implementing the DFC project under the administrative control of Ministry of Railways.
- The plan is to construct dedicated freight lines along the eastern (1856 km route length) and western (1504 km route length) parts of India
- Total length: 2,8243 kms; total estimated cost: US\$ 11.66 billion as on September 2019; financial progress stands at 63.6% and physical progress stands 67.5%.

MODERNISATION STRATEGY

To modernise Indian Railways, the focus is on two fundamental drivers, safety and growth along with a 5-pronged strategy:

- Modernise core assets - key revenue generating assets
- Explore new revenue models - to meet the funding needs for modernisation and growth.
- Review projects - to ensure financial viability, social benefits and timely implementation.
- Focus on enablers - for a holistic and longterm approach to modernisation and execution.
- Mobilise resources - to capitalise on an opportunity.
- Information Technology - to improve operational efficiency.

EXPANDING SCOPE OF PUBLIC PRIVATE PARTNERSHIP (PPP)

- As per Union Budget 2019 - 20, Government enhanced the metro railway initiative by encouraging more purchasing power parity initiatives and ensuring completion of sanctioned works, while supporting transit-oriented development (TOD) to ensure commercial activity around transit hubs.
- Indian Railways and AltPro, a Croatian company, signed a deal worth Rs. 450 million (US\$ 6.06 million) to upgrade the safety and signaling equipment for rolling stock and infrastructure.
- Western Railways division has signed a deal with the logistics partner of Amazon India for speedy transportation of parcels in Rajdhani Express. The division completed its first consignment journey from Mumbai to New Delhi in October 2020. The deal stipulates consignment deliveries for 113 days from October 2020 to February 2021 with an estimated good transportation of 2,712 tonnes; this will help generate a revenue of Rs. 2crore..

INCREASING FDI INFLOW

- From April 2000 to March 2020, FDI in railways-related components industry stood at US\$ 1.12 billion.
- In July 2020, the Ministry of Railways decided to create a special cell, Project Development Cell (PDC), in the railway board to increase investments and inflow of foreign direct investment (FDI).

POLICY AND REGULATORY FRAMEWORK

R3i policy

- The policy aims to attract private sector participation in rail connectivity projects to create additional rail transport capacity.
- The policy allows for 4 models: (a) Cost Sharing-Freight Rebate; (b) Full Contribution- Apportioned Earnings; (c) Special Purpose Vehicle (SPV); and (d) Private Line.

R2CI

This new policy was initiated to improve rail connectivity to coal and iron ore mines.

- The policy offers the developer involved in the construction of the line to levy a surcharge on the freight over a period of 10-25 years.
- The policy has two models: Capital Cost and SPV Models. The Capital Cost Model is relevant when there are 2 players, whereas the SPV Model is intended for a large number of players.

Railways announcements

Under Union Budget 2020 - 21, the Government of India has allocated Rs. 72,216 crore (US\$ 10.35 billion) as capital support for Indian Railways.

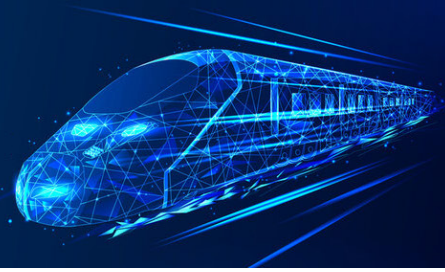
- For passenger safety, a Rashtriya Rail Sanraksha Kosh will be created with a corpus of Rs. 1 lakh crore (US\$ 15.61 billion) over a period of 5 years. It is proposed to feed about 7,000 stations with solar power in the medium term.
- By 2024, Indian railways will run completely on electricity.
- The Government is going to come up with a 'National Rail Plan', which will enable the country to integrate its rail network with other modes of transport and develop a multi-modal transportation network. By 2019, all coaches of Indian Railways were fitted with bio toilets. In the next 3 years, the throughput is proposed to be enhanced by 10%.



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VISITOR PROFILE



Government Ministries/Officials
& Departments



Railway Authorities/Boards
& Rail Project Managers



Contractor, Town Planners



Importer/Exporter



Infrastructure Developers



Manufacturers,
Distributors & Dealers



Engineering Directors



Freight Forwarders



Freight Transporters



Metro Rail Representatives
& Rail Project Managers



Railway Security Officials



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