



13th Annual Conference on

RAILWAYS IN INDIA

Growth & Transformation; Opportunities & Challenges

October 3-4, 2019, Le Meridien, New Delhi

Organisers:



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RAILWAYS IN INDIA

Mission

- The railway sector in India has been on a high growth trajectory over the past few years. There has been a surge in activity in terms of the launch of big-ticket programmes and schemes, transformation of age-old technologies and an increase in project uptake. Station redevelopment and modernisation works are in full swing. Work on India's first high speed rail (HSR) corridor, the Mumbai-Ahmedabad HSR, is currently under way and several stretches of the upcoming western and eastern dedicated freight corridors (DFCs) have been commissioned.
- Further, passenger safety and comfort is being accorded the highest priority with the provision of new technologies, systems and amenities. Digital transformation of the railways has been on IR's priority list for a long time. Also, a number of initiatives are being undertaken to improve the share of revenue from the freight business.
- In the Union Budget 2019-20, the railway sector has been one of the key investment areas of the government. It has received the highest ever capital expenditure of Rs 1.60 trillion. The operating ratio is targeted to improve from 96.2 per cent in 2018-19 to 95 per cent in 2019-20. Some of the other key announcements for the railway sector are the formulation of a new PPP model to encourage private participation, greater investments in building suburban rail networks through the SPV route, and the launch of a massive programme for the modernisation of railway stations in 2019.
- Going forward, Indian Railways has ambitious expansion and modernisation targets, which will require at least Rs 50 trillion worth of investments by 2030. It plans to undertake 22,825 km of new line and 12,215 km of line doubling works in the next four to five years. Besides, electrification of at least 28,000 route km of railway network is targeted to be completed by 2022.
- Rolling stock will continue to be a focus area for Indian Railways. It plans to manufacture a total of 4,941 coaches in 2019-20 and 4,839 coaches in 2020-21. It is setting up 17 new manufacturing units. It also plans to develop two new DFC corridors, the East-West DFC and the East-Coast DFC, which are expected to be completed by 2027. The construction of HSR corridors also presents a major opportunity.
- Many noteworthy measures have been undertaken. However, much remains to be done. The sector is still mired in political uncertainty, which affects service delivery and the financial health of the sector. A huge backlog of projects is a testimony to this fact.
- For the sector to grow, key issues such as procedural delays and financial instability need to be addressed by policymakers. While the government's vision is to involve private players in the sector, it must be noted that this will happen only when the ground is set. Policy execution is equally important. Policy initiatives will hold meaning for the national transporter only if they are effectively implemented.
- **The mission of this conference is to analyse the key trends and developments in the railway sector, highlight the recent initiatives of Indian Railways, showcase noteworthy projects and technologies, examine new opportunities, and discuss the key issues and concerns. The conference will also provide an excellent forum for all stakeholders including project developers, EPC contractors, consultants, technology providers and equipment manufacturers to share their experience and exchange views.**

AGENDA/STRUCTURE

KEY TRENDS AND OUTLOOK

- ❖ What have been the key trends and developments in the railway sector?
- ❖ What are the key issues and challenges?
- ❖ What is the future outlook? What are the new opportunities?

IR PERSPECTIVE: ACHIEVEMENTS, RECENT INITIATIVES AND FUTURE PLANS

- ❖ What have been the key achievements of IR during the past year?
- ❖ What has been the impact of recent initiatives taken by IR? What are the key announcements in the Union Budget 2019-20?
- ❖ What are the key issues and challenges facing the sector? What policy changes/initiatives can be expected in the future?

SOURCES OF FUNDING AND POTENTIAL FOR PPPs

- ❖ What have been the trends in IR's capital expenditure? What are the funding sources?
- ❖ What are the new sources of funding being explored in the sector (LIC, bond issuances, IPO issuances, land monetisation, advertising, parking, etc.)?
- ❖ What are the new opportunities and areas for private sector participation in the railways sector? What is the potential for PPPs going forward?

ROLLING STOCK: ADVANCEMENTS, NEW TECHNOLOGIES AND INDIGENOUS PRODUCTION

- ❖ What have been the key trends in the production and acquisition of rolling stock?
- ❖ What are the recent advancements and innovations in design? What are the new types of trains being manufactured (Train 18, Tejas Express, Antyodaya Express, 9,000 HP locomotives, etc.)?
- ❖ How has the production capacity expanded in the past years? What steps are being taken to promote indigenous production?

STATION REDEVELOPMENT: CURRENT STATUS, UPCOMING PROJECTS AND NEW OPPORTUNITIES

- ❖ What is the current status of the key station modernisation/redevelopment schemes and programmes (Station Redevelopment Scheme, Adarsh Station Scheme, etc.)?
- ❖ What are the upcoming projects and opportunities in this segment? What are the targets and timelines?
- ❖ What is the potential for PSP going forward?

AGENDA/STRUCTURE

TRACK CONSTRUCTION: NETWORK EXPANSION AND DECONGESTION PLANS AND TARGETS

- ❖ What are the requirements for upgrading railway tracks (new lines, doubling, gauge conversion, electrification, etc.)?
- ❖ What are IR's initiatives and plans? What are the upcoming projects and opportunities?
- ❖ What are the investment requirements?

DEDICATED FREIGHT CORRIDOR: CURRENT STATUS, NEW CORRIDORS AND UPCOMING OPPORTUNITIES

- ❖ What is the current status of the DFC? What are the key milestones and targets?
- ❖ What are the upcoming corridors and opportunities (East-West DFC and East-Coast DFC)?
- ❖ What are the key issues and challenges?

UPDATE ON MUMBAI-AHMEDABAD HIGH SPEED RAIL

- ❖ What is the current status of the Mumbai-Ahmedabad high speed rail corridor? What are the key milestones achieved?
- ❖ What are the targets and timelines? What are the upcoming projects and tenders?
- ❖ What are the opportunities for developers, contractors, technology providers and equipment suppliers?

SPOTLIGHT ON REGIONAL RAIL RAPID TRANSIT SYSTEMS

- ❖ What is the progress on key RRTS projects being implemented by IR (Nagpur-Mumbai, Delhi-Meerut, Delhi-Panipat, Delhi-Alwar, etc.)?
- ❖ What are the recent developments? What are the targets and timelines?
- ❖ What are the upcoming opportunities? What are the key issues and challenges?

UPDATE ON PORT RAIL CONNECTIVITY

- ❖ What are the new initiatives and plans for improving port-rail connectivity?
- ❖ What is the status of projects being implemented under the Sagarmala programme?
- ❖ What are the upcoming opportunities and investments?

FUTURE TECHNOLOGIES: NEEDS, REQUIREMENTS, CHALLENGES AND OPPORTUNITIES

- ❖ What are the emerging and new technology requirements of the railway sector?
- ❖ What is the role of IT and automation in various IR's operations (information dissemination, ticketing, e-payment, real-time container tracking, etc.)?
- ❖ What specific benefits can the sector draw from technology advancements (artificial Intelligence, blockchain, robotics, GIS, ERP, IoT, big data, etc.)?
- ❖ What has been the experience globally?
- ❖ What are the lessons for India?

NEW SAFETY INITIATIVES: PLANS AND INVESTMENTS

- ❖ What are the new initiatives being taken by the government to improve passenger safety? What has been the impact of these initiatives?
- ❖ What role can technology play in improving safety in rail operations? What are the global advances?
- ❖ What level of investment is likely to be directed towards safety?

ASSET MANAGEMENT & MONITORING SYSTEMS (OMRS, SLAM, TMS, ETC.)

- ❖ What are the technology and analytics solutions adopted for asset management and monitoring? What has been the impact of these solutions on asset reliability, failure and maintenance?
- ❖ What are the new trends and advancements? What are the global advances?
- ❖ What are the key issues being faced?

FOCUS ON RAILWAY BRIDGES AND TUNNELS

- ❖ What have been the key developments in railway bridges and tunnels? What are some of the noteworthy projects?
- ❖ What are the new innovations in design and fabrication? What has been the experience with the development of complex structures?
- ❖ What are the upcoming projects and opportunities? What are the key issues and challenges?

ENERGY REQUIREMENTS AND GREEN & SUSTAINABLE INITIATIVES

- ❖ What is IR's current energy mix? What are the existing and emerging sources of energy?
- ❖ What are the key initiatives being taken by IR to improve energy efficiency and reduce its carbon footprint?
- ❖ What will be the role of renewable energy in meeting IR's future energy requirements?

EMERGING MARKET OPPORTUNITIES FOR OEMS

- ❖ What are the emerging trends and advancements in the equipment segment?
- ❖ How is the industry gearing up to meet the emerging equipment requirements for the railway sector?
- ❖ What are the recent initiatives under the Make in India programme?
- ❖ What are the upcoming and new opportunities for OEMs? What are the specific issues and challenges?

MODERN SIGNALLING AND TELECOMMUNICATION SYSTEMS

- ❖ What are the new technologies available in the S&T segment (automatic block signalling, European Train Control System Level 2, etc.)?
- ❖ What has been the experience so far in the adoption of these technologies?
- ❖ What are the new opportunities in the Indian market? What are some of the global developments in S&T systems?

RAILWAYS IN INDIA

Target Audience

The conference is targeted at:

- Indian Railways
- Contractors
- Equipment manufacturers
- Road organisations
- Major consumers
- IR-related organisations
- Consultants
- Technology providers
- Port operators
- Development institutions
- Private operators
- Financial institutions
- Legal firms
- Service organisations
- Potential developers/investors
- Government agencies
- Logistics firms
- Industry analysts
- Suburban railway organisations
- Etc.

Previous Participants

The participating organisations in our previous conferences include:

- ABB
- ACC
- Accenture
- ACME Cleantech
- Adani Group
- Adani Logistics
- Adani Petronet
- Aditya Birla Finance
- Afcons
- AL Batra Group
- Alcoa
- Alstom
- Amara Raja
- Ambuja
- Amtek
- Ansaldo STS
- APM Terminals
- Arconic of India
- Areva
- Arshiya Intl
- Arup
- Assignia Infra
- Australian Trade Commission
- AVB Consultants
- Axis Bank
- AZB & Partners
- Azure Power
- Balaji Railroad Systems
- BARSYL
- Beekay Engineering
- BEL
- BEML
- Bentley
- BESCO
- Bharat Rail Automation
- Bharat Wagon
- Bharuj Dahej Railway
- BHEL
- Bhilai Engineering
- Bombardier
- Bosch
- British Steel
- Brookings India
- Bureau Veritas
- Cargo Motors
- CDM Smith
- Centre For Railway Information Systems
- Chennai Port Trust
- Chhattisgarh Railway Corporation Limited
- Chittaranjan Locomotive
- CIDCO
- CIL
- CLSA India Private Limited
- CONCOR
- Conlitech
- CoreFab Projects
- Coslight
- Cosmo Energy Pvt. Ltd.
- CRIS
- CRISIL
- Crompton Greaves
- CTI Engineering
- Cytech Associates
- Dalmia Bharat
- Dassault Systèmes India Pvt Ltd
- DB International
- Dedicated Freight Corridor Corporation of India Ltd.
- DEHN
- Desai Diwanji
- DFCCIL
- Dhamra Port
- DLW
- DPWorld
- DSP Merrill Lynch
- Dupont
- EGIS
- Elenium
- EMD Locomotives
- Ernst&Young
- ESAB
- Essar Steel
- Essel Infraprojects
- Essel Mining
- ETA Engg
- ETF
- EtoE Rail
- Ewac Alloys
- Exide
- Experion
- FAG Bearings
- Faiveley Transport
- Fedders Lloyd
- Feedback Ventures
- First Group
- Fluid Controls
- Fomento Mining
- Garware Wall Ropes
- GatewayRail
- Gati
- GATX India Private Limited
- GE Infrastructure Transportation
- Geismar
- GEISMAR INDIA Private Limited
- Geoconsult
- GIDB
- Haitong Securities
- Halcrow
- Hassan Mangalore Rail Development Company Limited
- HCC
- Henkel Adhesives
- High Speed Rail Corporation
- Hill International
- Hind Terminals
- Hindalco
- Honeywell
- HSBC
- Huber Suhner
- HUBNER Interface Systems
- ICICI
- IDBI
- IDFC
- IL&FS
- IMFA
- Indian Port Rail Corporation Ltd.
- Indian Railway
- Indian Railway Stations Development Corporation
- IndraSistemas
- Inlogistics
- Integra Hindustan
- Integral Coach Factory
- Involute Technologies
- IPM
- IRCON
- IRCTC
- JIC
- JM Financial
- JSPL
- JSW
- Kalindee Rail Nirman
- Kalpataru Power
- KEC
- KEI
- Kesar Terminals
- KFW
- Kirkoskar Pneumatic
- Knorr Bremsse
- Kocchar & Co.
- Konkan Railways
- KPMC
- Kutch Railway
- L&T ECC
- Lahmeyer
- Lapp India Pvt. Ltd.
- Lara Global
- LEA Associates
- Link Legal
- LL Logistics
- Lloyd Electric
- Louis Berger
- M&I Materials
- Maccaferri Environmental Solutions
- Magnetic Autocontrols
- Mahindra Logistics
- Marubeni
- Merrill Lynch
- MGIL RITU HOUSING
- Ministry of Defence
- Ministry of Railways
- Mitsubishi
- Monnet Projects
- Morgan Stanley
- Mumbai Port Trust
- Mumbai Rail Vikas Corporation
- N&S Solution
- N.W. Railway (Indian Railway)
- National Academy of Indian Railways
- National Capital Region Transport Corporation
- National Instruments
- NCR HQ Allahabad
- Nexans Singapore Pte Limited
- Nippon Koei
- Nomura Financial
- North Western Railway
- Northern Central Railway
- Northern Railways
- NTPC
- Outokumpu
- Patil Rail Infrastructure
- PetronetLNG
- Phillips
- Plasser
- PMC Projects
- Progressive Construction
- PWC
- Rail Coach Factory
- Rail Tech
- Rail Vikas Nigam
- RailTel
- Railway Energy Management Company
- Raychem RPG
- RDSO
- Reliance Industries
- Reliance Jio
- RioTinto
- RITES
- Ruchi Group
- RVNL
- SAIL
- Sany Heavy Industries
- SBI Capital
- Scope T&M
- Seahorse Buss
- Servomax
- SEW Constructions
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- Tata BlueScope
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- Tata Motors
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- Tata Realty
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- Texon
- Thales
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- TMA
- Touax Texmaco
- Transasia
- TRF
- Trimble
- TSGENCO
- UGL Rail
- Ultratech Cement
- Uniseven Engineering
- USBRL Project Northern Railway
- UTC
- Utkarsh Tubes & Pipes
- Valvoline Cummins
- Vinci Concessions
- Vindhya Telelinks
- Virgo Consultants
- Visakhapatnam Port Trust
- Vishal Nimriti
- Vizag Steel
- VNR Group
- Vossloh Cogifer
- Wabtec Corporation
- Yes Bank
- Zephir SpA
- Etc.

PREVIOUS SPEAKERS AT OUR RAILWAY CONFERENCES



Rajesh Agrawal
Member, Rolling Stock,
Railway Board



Girish Pillai,
Member, Traffic,
Railway Board



Ghanshyam Singh,
Member, Traction,
Railway Board



Anurag Sachan,
Managing Director, Dedicated Freight
Corridor Corporation of India



Manju Gupta,
Additional Member, Electrical,
Railway Board



R.S. Manjula Rangarajan,
Additional Member, Finance,
Railway Board



S.K. Lohia,
MD and CEO, Indian Railway Stations
Development Corporation



M.P. Singh,
Chief Executive Officer,
High Speed Rail Corporation of India



B.P. Awasthi,
Executive Director (Track/P),
Railway Board



Vipul Kumar,
Executive Director, Track (MOD),
Railway Board



Shailendra Jaiswal,
Principal Executive Director,
RDSO



Bharat Salhotra,
Former Managing Director,
Alstom Transport



Col S. Gagarin,
CEO, Karnataka Rail Infrastructure
Development Corporation (K-RIDE)



Sanjay Rastogi,
Managing Director,
Chhattisgarh Railway Corporation



Vikas Kumar Jain,
Group General Manager, Civil,
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SNAPSHOTS FROM PREVIOUS YEARS



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Two delegates	40,000	7,200	47,200	787
Three delegates	55,000	9,900	64,900	1,082
Four delegates	70,000	12,600	82,600	1,377

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