The Ministries of Railways and Coal take deep delight in commemorating 150 years of the birth anniversary of Mahatma Gandhi. The Nation is reminded of the memorable role that Railways played in the Mahatma’s fight for freedom, right from his experiences in trains in South Africa to awakening the people across India. Like Gandhi-ji touched each part of India with his tours where he traveled in trains, today the train is still the vehicle that connects the country with the masses.

In the Freedom Struggle, trains and railway stations became the favourite spot for thousands of Indians who flocked there to catch a glimpse of their leader, and to join him on the path of truth, non violence, and freedom.

Taking inspiration from Mahatma Gandhi’s ideals that led the Nation to Independence, Hon’ble Prime Minister Shri Narendra Modi has given a vision of a New India by 2022, coinciding with 75 years since Independence. The Ministries of Railways and Coal are firmly committed to creating New India and taking the country to greater heights of progress and prosperity.

"The Indian Railways will become the growth engine of the nation’s Vikas Yatra"
Narendra Modi
Prime Minister

"Be the change that you want to see in the world"
Mahatma Gandhi
(1869–1948)
SAFETY REIGNS SUPREME

“A correct diagnosis is three-fourths the remedy”
- Mahatma Gandhi

SPEEDY EXECUTION OF RAIL RENEWALS
50% increase in rail renewal from 2,926 Kms in 2013-14 to 4,405 Kms in 2017-18

TOTAL SWITCHOVER TO PRODUCTION OF SAFER LHB COACHES

HIGHEST PRIORITY TO SAFETY

BEST EVER SAFETY RECORD IN 2017-18

1.1 LAKH SAFETY POSTS BEING FILLED-UP THROUGH RECRUITMENT
SAFETY REIGNS SUPREME

RASHTRIYA RAIL SANRAKSHA KOSH (RRSK)
Fund of ₹ 1 Lakh Cr created for safety expenditure
₹ 16,000 Cr already spent

FOOT OVER BRIDGES (FOBs) NOW TREATED AS SAFETY ITEMS
221% increase in FOBs constructed per year from 23 during 2009-14
to 74 during 2014-18

WORKING HAND IN HAND WITH THE ARMY
3 Foot Over Bridges (FOBs) at Ephiestone Road-Parel, Curry Road,
and Ambivali in Mumbai constructed with the help of the Army

CCTV/VIDEO SURVEILLANCE SYSTEMS BEING INSTALLED IN
ALL STATIONS AND TRAINS

HIGHEST EVER CONSTRUCTION OF
ROAD OVER BRIDGE/ROAD UNDER BRIDGE/SUBWAYS
3 times increase in average construction per year

415 per year

2004-14

1220 per year

2014-18

5,479 UNMANNED LEVEL CROSSINGS ELIMINATED IN THE LAST FOUR YEARS
All UMLCs on major routes to be eliminated by June 2018
QUANTUM LEAP IN CAPITAL EXPENDITURE

Average annual capital expenditure in 2014-19 is more than double of average during 2009-14

\[\text{₹ 2.30 Lakh Cr} \quad \text{2009-14} \quad \text{₹ 5.29 Lakh Cr} \quad \text{2014-19}\]

*Includes Budget Estimate 2018-19

CAPACITY ENHANCEMENT:
BUILDING INFRASTRUCTURE FOR TOMORROW

FASTER COMMISSIONING OF RAILWAY LINES

Average pace of commissioning of New Line / Doubling / 3rd & 4th line projects increased by 59% from 4.1 Kms (2009-14) to 6.53 Kms per day (2014-18)

"Man is the maker of his own destiny, and I therefore ask you to become makers of your own destiny"

- Mahatma Gandhi
Connecting India Act East Policy

Entire network in North East converted to Broad Gauge

One of the highest bridges in the world being built on Jiribam-Imphal New Line Project

Rail connectivity established with Meghalaya (Dudhnoi-Mendiapatkan), Tripura (Kumarghat-Agartala) and Mizoram (Kathakai-Bhairabi)

1,397 Kms of New Lines projects costing ₹ 51,428 Cr in progress

Major Thrust to Suburban Networks

Development of Bengaluru Suburban System
₹ 17,000 Cr in Budget 2018-19
Will benefit about 15 Lakh commuters
Modern system with air-conditioned coaches, state of the art signalling and modern stations

Upgradation of Mumbai Suburban System:
₹ 54,777 Cr in Budget 2018-19
New corridors, additional lines/extensions and improved signalling
Increased passenger comfort due to air-conditioned coaches and developed stations
FIRST EVER BULLET TRAIN IN INDIA

MUMBAI AHMEDABAD HIGH SPEED RAIL

- Shinkansen technology with record zero fatalities in 50 years and train delay record of less than a minute
- Will reduce travel time from approx. 8 hrs to 2 hrs
- Low cost funding from Government of Japan at a miniscule rate of interest makes it affordable
- Huge direct and indirect employment opportunities
- ‘Make in India’ to make India a leader in High Speed Technology

“Life is an aspiration. Its mission is to strive after perfection which is self-realization.”
- Mahatma Gandhi
MAKE IN INDIA

Electric Locomotive Factory at Madhepura in Bihar

Factory for manufacturing Diesel Electric Multiple Unit (DEMU) rakes at Haldia

Upcoming Projects

- Coach Manufacturing for suburban and metro trains at Latur, Marathwada
- Factory for refurbishment of LHB coaches sanctioned at New Bongaigaon, Assam
- DEMU / Mainline EMU Shed sanctioned at Lumding, Assam
- Coach refurbishment facilities planned at Jhansi, Bundelkhand and Sonepat, Haryana

“A man’s true wealth hereafter is the good he has done to his fellowmen”

- Mahatma Gandhi
RAILWAYS ELECTRIFIED

Highest ever electrification in single year

SPEED
First-ever conversion of a locomotive from diesel to electric traction in the world
New indigenous electric locomotive delivers 5,000 HP, 92% more than the older version
New generation 12,000 HP locomotives being produced for increased energy efficiency and speed of freight trains

SAVINGS
Energy Efficiency will help reduce fuel bills
Savings of approx. ₹13,500 Cr per year expected from complete electrification

EXECUTION INCREASED EXPONENTIALLY

4,087 RKM (2017-18)
More than 6 times Increase

610 RKM (2013-14)

CONTRIBUTE TO INDIA'S ENERGY SECURITY AND IMPROVE TRADE DEFICIT

SUSTAINABILITY
Reduce carbon emissions and promote sustainable environment
Modern signalling systems to be introduced in Indian Railways

₹ 1,299 Cr investment for improving signalling systems during 2017-18
31% higher than previous year

State-of-the-art Electronic Interlocking Systems provided at 208 stations in 2017-18
26% higher than previous year

MovinG India’s economy: freight

Goal for 2022 is to increase market share of freight transport from 33% to 45%.

Encouraging private participation in infrastructure and operations of freight traffic
Private Freight Terminal (PFT) policy - already 58 PFTs notified
New policy to encourage private investment in wagons issued

Highest ever freight loading of 1,162 MT in 2017-18 vs 1,052 MT in 2013-14, an increase of 10.5%

Highest ever freight earnings, expected to be over ₹ 1.17 Lakh Cr in 2017-18. 12% above previous year
MOVING INDIA’S ECONOMY: DFCs

DEDICATED FREIGHT CORRIDORS (DFCs)

Commissioning of Western and Eastern DFCs (2,922 Kms) in phases by 2019-20

Contracts worth ₹ 39,157 Cr awarded during the last four years as compared to contracts worth ₹ 12,749 Cr awarded up to March 2014 (more than 200% increase)

Reduction in freight travel time, transportation cost and de-congestion in existing network

Economic development and job creation by connecting factories and farms to ports

Create hubs of economic development
“Cleanliness is next to Godliness”
- Mahatma Gandhi

STATION DEVELOPMENT
A LEAP INTO THE FUTURE

STATIONS TO BE DEVELOPED WITH WORLD CLASS FACILITIES

Stations recategorised to ensure better amenities for passengers

More objective criteria which will take into account earnings, passenger footfall, strategic importance

68 stations to be improved by Railways by March, 2019

Beautification of 60 stations already completed using local art

Redevelopment of Habibganj station, Madhya Pradesh and Gandhinagar station, Gujarat by December, 2018

All Railway stations fitted with 100% LED lights
A JOURNEY TO REMEMBER
UPGRADATION OF PASSENGER COACHES

Interiors of 5,000 coaches including mail/passenger trains to be improved by March, 2019

Modern Trains/Coaches
First ever indigenous Train-set to be commissioned this year

Tejas, Antyodaya and Humsafar trains launched

Double decker UDAY rake ready for service

Deen Dayalu and Anubhuti coaches with modern features

Glass top ‘Vistadome’ coaches on select routes so that tourists can view beautiful scenic routes
ENHANCING PASSENGER SERVICES

New Trains
407 new train services introduced in last 4 year
1.37 Lakh services to meet festival demand in last 4 years
22 new trains and 44 extensions through better utilisation of rolling stock, sweating of assets and use of lie over period

Third Party Performance Checking
100 mystery shoppers to monitor passenger amenities, catering, cleanliness & punctuality

Punctuality
Punctuality in the short term impacted due to giving priority to infrastructure and safety works
But in the long term this would enable faster and safer train movement

Time tabling of trains improved by reducing running time & allowing planned maintenance blocks
SMS services started on 1,373 trains to inform passengers about train delays

WORLD CLASS PASSENGER AMENITIES

ESCALATORS AND LIFTS
Facilitating convenient passenger movement
High speed Wi-Fi service at more than 675 stations
All stations to have Wi-Fi
Will benefit youth, women, farmers & villagers in nearby locations

Point of Sale (POS) machines for cashless transactions
9,100 POS machines installed at about 4,000 locations
‘No Bill, Free food’ policy: POS machines to implement compulsory billing
Capacity of e-ticketing increased from 2,000 tickets per minute in 2014 to estimated 20,000 tickets per minute in 2018
Service charge on credit and debit cards for purchasing tickets at booking counters removed
Passenger grievances resolved in real time via Social Media

CATERING
16 base kitchens already upgraded in 2017-18
Use of Artificial Intelligence to monitor food production in base kitchens for improving quality and hygiene
E-Catering started at 314 stations and 100 more planned. More than 7,000 meals/day
Compulsory printing of MRP on all food items started on more than 300 trains
Asking for tips banned across Railways
Optional catering introduced on 32 Rajdhani, Shatabdi, Duronto and Gatimaan trains
1,689 Water vending machines installed at 600 stations
SWACHHATA HI SEVA

Integrated Mechanised Cleaning already provided at 488 stations
All suburban and major stations to have mechanised cleaning by March 2019

Mechanised Laundries for improving quality of washed linen: 33 Setup in 2014-18 versus 26 in 2009-14
100% Mechanised laundries for improving quality of washed linen by December, 2019

Exceeding target of Bio-Toilets installation
Bio-Toilets installed: 1,17,164 in 2014-18 versus 9,587 in 2004-14
All trains to have bio-toilets by March 2019. Vacuum bio-toilets like airlines are under testing
Affordable sanitary pad dispensing machines at major stations by December 2018

CLEANLINESS ON TRACKS
Automatic Rail-mounted machine to clear muck started in Delhi. Also planned across India

INDEPENDENT THIRD PARTY SURVEY
Independent third party survey started on stations and trains

NEW SYSTEM FOR HOUSEKEEPING CONTRACTS
Payments to contractors also based on ratings given by passengers
REFORM TO TRANSFORM: TRANSPARENCY AND ACCOUNTABILITY

GENERAL CONDITIONS OF CONTRACTS FOR SERVICES INTRODUCED

Easy registration process for service contractors to promote competitiveness and save costs

CHANGE IN PROCUREMENT PRACTICES

e-Reverse auction policy issued
Will help save up to ₹ 20,000 Cr annually

100% E- Procurement through single web-portal
Almost 17 Lakh e-tenders floated through e-procurement portal

4 times increase in total number of vendors registered on IREPS portal from 19,867 in 2014 to 81,127 in 2018

Mandatory procurement of common use goods/services through GeM (Government e-Marketplace)

ENCOURAGING COMPETITION BY INCREASING VENDORS AND REDUCING COST

Railways to pay contractors on a ‘First in First Out’ system
Letter of credit to be provided to all suppliers and contractors to help them get working capital
Receipt notes, supplier bills, receipted challans across railways digitised
Covers approximately ₹ 50,000 Cr worth of receipt notes, receipt challans

“Every reform means awakening. Once truly awakened, the nation will not be satisfied with reform only in one department of life”

- Mahatma Gandhi

Simpler Approval Processes in Research Designs and Standards Organisation (RDSO)

Details of approved vendors by nominated agencies (RDSO, Production Units etc.) put online
Process timeline reduced from 30 months to 6 months
13+ LAKH RAILWAY FAMILY

EMPOWERING FIELD OFFICERS/DELEGATION OF POWERS
Powers of GMs to approve works fully delegated upto maximum limit
Powers for service contracts delegated to DRM’s to enable faster processing and decision making
Decentralization of vendor approval to PUs to empower them to develop and manage their own sources

ENHANCING EMPLOYEE WELFARE
Improving running rooms for staff like loco pilots, guards, TTEs
Improving staff colonies & workplaces etc.
Upgradation of barracks of Railway Protection Force (RPF) to improve ease of living
Preventive medical check up of all employees every year (for RPF staff twice a year)

MAKING INDIA PROUD IN SPORTS
Railways sportspersons contribute about 33% of all international medals won by India
In CWG 2018, all 10 gold medals won by India in wrestling and weightlifting were by Railways sportspersons
Sakshi Malik won bronze medal in Olympics 2016

“...You must not lose faith in humanity. Humanity is an ocean; if a few drops of the ocean are dirty, the ocean does not become dirty.”
- Mahatma Gandhi

Mirabai Chanu
BUILDING A SKILLED WORKFORCE

INDIA'S FIRST NATIONAL RAIL & TRANSPORTATION UNIVERSITY IN VADODARA

Create a resource pool of skilled manpower
Enhance productivity and promote "Make in India"
Set Indian Railways on the path of modernisation
Will start 2 Courses – BBA (Transportation Management) and BSc (Transportation Tech) in August 2018
Post Graduate courses likely to commence from 2019
Latest pedagogy & technology applications to improve on-the-job performance and productivity

PROJECT SAKSHAM
5 days on the job training / classroom training to all employees

TRAINING OF APPRENTICES
Railways is providing skill training at 5% of total staff strength per year
Number of trainees increased from about 20,000 to 31,000
COAL: NATION’S FUEL FOR DEVELOPMENT

Drilling for exploration almost doubled: 13.7 Lakh meters in 2017-18 from 6.9 Lakh meters in 2013-14

The 105 MT increase in production of Coal India in the last 4 years took almost 7 years to achieve before 2013-14

Coal Offtake of Coal India increased by 23%

471_MT (2013-14)
567_MT (2017-18)
580_MT (2017-18)

“Earth provides enough to satisfy every man’s needs, but not every man’s greed.”
— Mahatma Gandhi

SUPERIOR COAL QUALITY
Third party sampling procedure to verify coal quality
100% crushed coal to power plants
Re-gradation of all mines of Coal India and Singareni Collieries Company done

REDUCING COST OF ELECTRICITY
Amount of coal required to generate per unit of electricity (specific coal consumption) has reduced by 8% in last 4 years
"If I have the belief that I can do it, I shall surely acquire the capacity to do it even if I may not have it at the beginning"

— Mahatma Gandhi

COAL REFORMS FOR NEW INDIA

COMMERCIAL COAL MINING
Most ambitious reform in Coal Mining after Nationalisation in 1973
Will reduce import dependency of coal and bring energy security through assured coal supply
Direct and indirect employment through higher investments

TRANSPARENT E-AUCTION AND ALLOCATION OF COAL BLOCKS
89 coal mines successfully auctioned and allocated
100% revenues to coal bearing states
TRANSPARENCY & ACCOUNTABILITY

RATIONALISATION OF COAL LINKAGE
Total coal movement rationalization of 55.66 MT with annual potential savings of ₹3,359 Cr

SHAKTI
(Scheme for Harnessing and Allocating Koyala Transparently in India)
Transformational policy for auction and allotment of coal linkages
Lead to affordable power, and transparent allocation of coal
16 Fuel Supply Agreements signed under SHAKTI

RAIL COAL COLLABORATION
Timeline for 14 critical projects for evacuating coal established for time bound execution to increase coal transportation

Tori-Balumath Rail Section, a part of long awaited Tori-Shivpur rail line (44 Kms) started from 9th March 2018

Jharsuguda–Barapalli (53 Kms) rail line in Odisha completed

Total Coal Loading has increased
- TOTAL
- COAL INDIA

377 383 373 390
195 213 222 230
(Rakes/Day)
“The best way to find yourself is to lose yourself in the service of others”

- Mahatma Gandhi