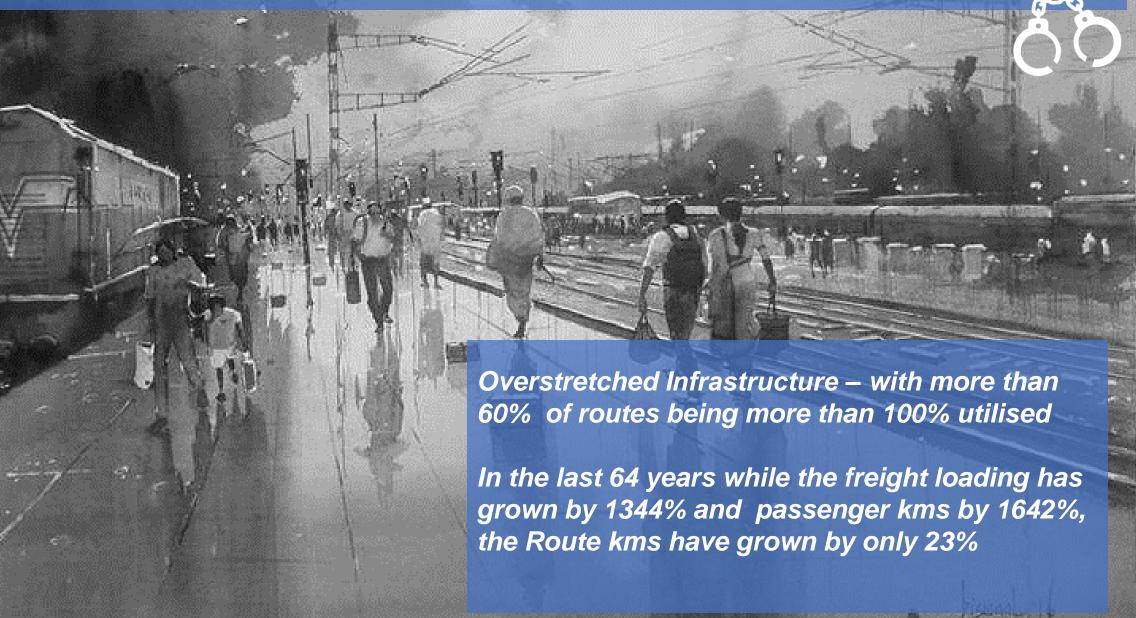


PROCESS FLOW TO ACHIEVE VISION 2022



YEARS OF UNDER-INVESTMENT IN INFRASTRUCTURE



LACK OF CUSTOMER FOCUS Inability to meet the demands of its both freight and passenger customers Apart from the quantum of investment, quality of delivery an issue Cleanliness, punctuality of services, safety, quality of terminals, capacity of trains, quality of food, security of passengers and ease of booking tickets among major customer focus issues





(5 YEARS)	Total: `8,56,020 Cr
Network Decongestion (including DFC + electrification, Doubling+ electrification & traffic facilities)	1,99,320
Network Expansion (including electrification)	1,93,000
National Projects (North Eastern & Kashmir connectivity projects)	39,000
Safety (Track renewal, bridge works, ROB, RUB and S&T)	1,27,000
Information Technology / Research	5,000
Rolling Stock (Locomotives, coaches, wagons – production & maintenance)	1,02,000
Passenger Amenities	12,500
High Speed Rail & Elevated corridor	65,000
Station redevelopment + logistic parks	1,00,000
Others	13,200



PARTNERSHIPS

JVs WITH STATE GOVERNMENTS

Railway & State Governments to be shareholders

Revenue streams from tariff and commercial exploitation of space rights

RIDF (Railways of India Development Fund)

Fund proposed to finance Rail Infrastructure; independent of Railway Budget

Will tap international pension, insurance and sovereign wealth funds and provide for entire Rail sector in India, not just Ministry of Railways

OFF-BUDGET DEBT

IR to tie up long- term fund for projects

IR PSUs to leverage free reserves/ equity for raising debt







BG lines commissioning to increase to 19 kms/day, could rise to 25 kms/day in partnership with state governments



2 dedicated freight corridors to be commissioned by 2019; 3 NEW DFCs in pipeline

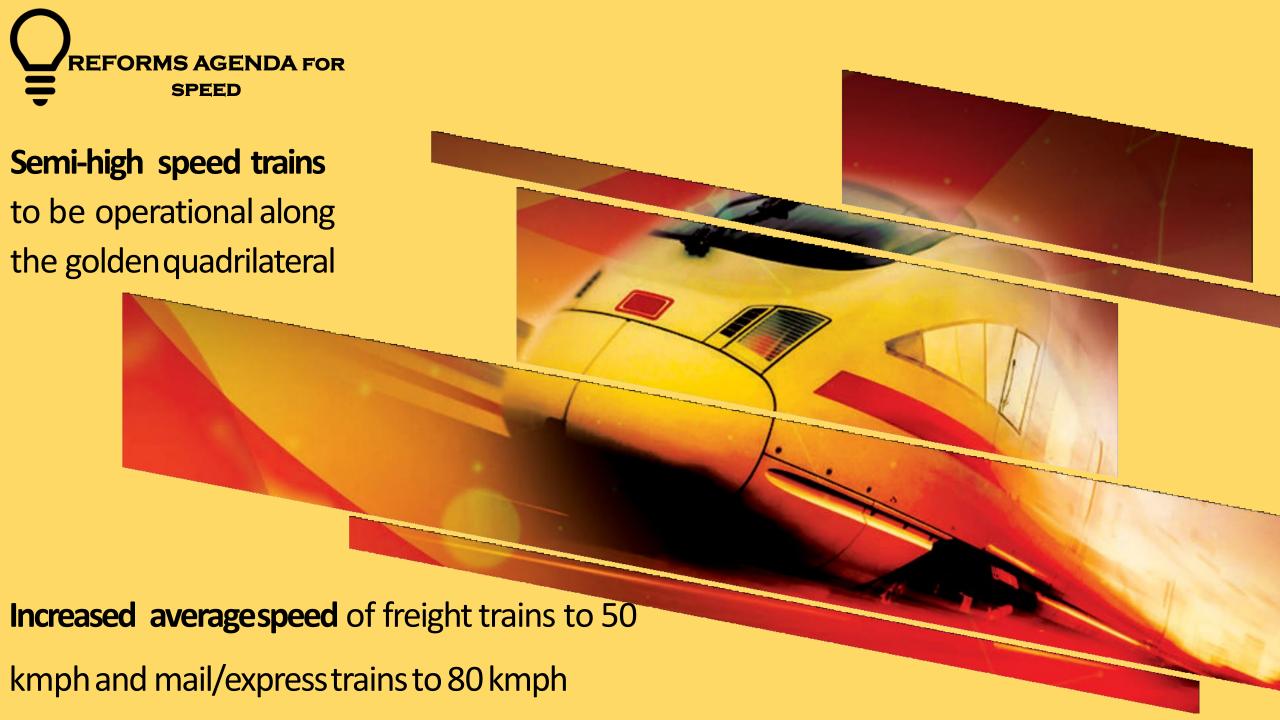


Increased pace of electrification @ almost 4000 kms/ year. Target to electrify 11,000 Kms in next 3 years



Over 100 stations to be modernized to world class standards









DIGITAL

- Include rural India in the digital revolution by providing Rail wire Sathi at 7000 stations Internet enabled Kiosks which serve as single window for government schemes and departments
- Implement Enterprise Resource
 Planning architecture in Indian
 Railways



10 - 20% non fare revenue

Reduction in fuel costs

Controlling staff costs through rationalising recruitment

Increased share of non core commodities e.g., White goods, FMCG, Auto





INTEGRATED COMPLAINT REDRESSAL

IVRS



IR makes 3 lakh calls every day to seek feedback

Integrated Customer Complaint System



FACEBOOK

139
Customer
complaint
helpline

from customers

YOUTUBE

Security helpline

CP GRAM

Twitter and Facebook have already been integrated. Plan to develop this comprehensive system in next 6 months



Accounting reforms to establish connectivity between outcomes and inputs

Unified cadre of officers working towards a common vision



sinc consis ompetenc

Institutionalised system of performance appraisal based on objective parameters (KRAs) Fully functional Railway University







Ambitious plan for refurbishment of 40,000+ coaches with world-class amenities, to be introduced e.g., Entertainment on board, Wi-Fi, vending machines, Autodoors



2,00,000 rail display network screens installed across 2000 stations – New medium for adverts and information dissemination



Less than 5 min waiting forpurchase of tickets enabled through higher speeds of web interface, POS terminals, ATMs



NEW STRUCTURES



SHRESTHA

New R&D organisation to serve the future technology needs of Railways

SUTRA

World class data analytics, simulation softwares, network optimisation & decision support systems

RAIL INVESTMENT & PLANNING ORGANISATION

Develop and own the corporate medium term and long term plans, identify investment opportunities, standardise economic assessment of projects and propose optimal modes of financing







1000 MW of solar power commissioned by 2020; more than 130 MW of wind energy







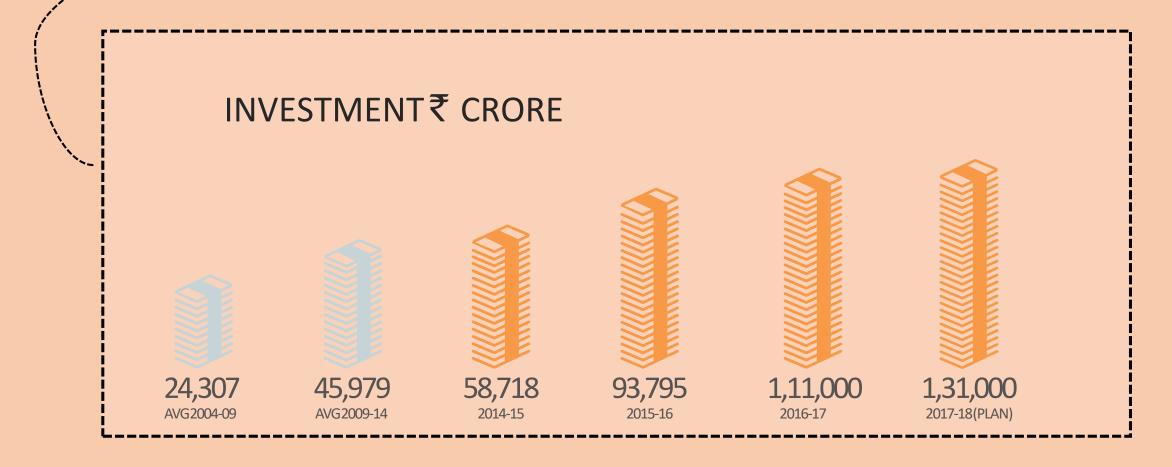
Discharge free railways- biotoilets in all coaches Rainwater harvesting facility on all roofs with more than 200sq.m space







ACCELERATED CAPITAL INVESTMENTS



Secured assured funding of ₹ 1.5 Lakh Crore from LIC



ALMOST DOUBLED THE PACE OF INFRASTRUCTURE CREATION

BROAD GAUGE LINES COMMISSIONED (KMS)

AVG 2009-14 1,528

2015-16 2,828

2016-17 2,857

2017-18 (PLAN) 3,500

ELECTRIFICATION COMPLETED (KMS)

AVG 2009-14 1,184

2015-16 1,730

2016-17 2,013

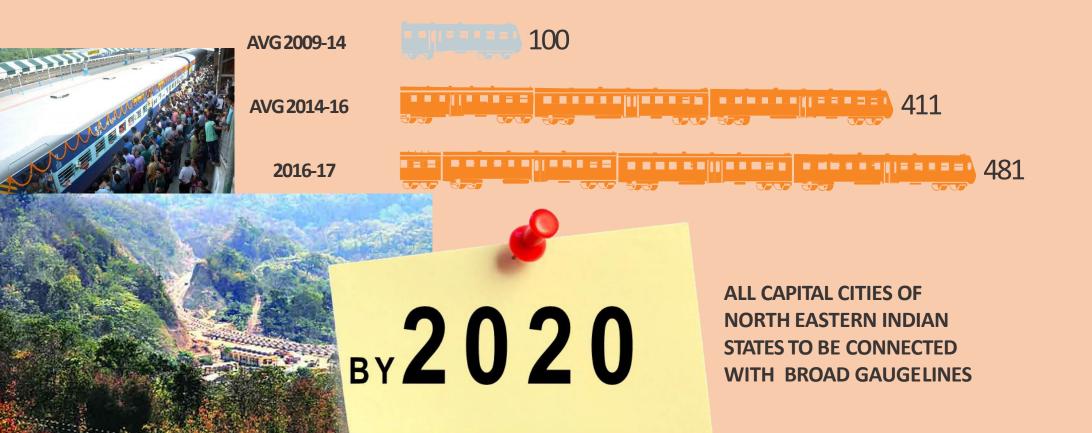
2017-18(PLAN) 4,000





ELIMINATED ALL MG LINES IN NORTH EAST

BROAD GAUGE LINES COMMISSIONED ACROSS NORTH EAST INDIA (KMS)





COMPLETED LANDMARK STRUCTURES WHICH HAD BEEN DELAYED FOR YEARS



RAIL CUM ROAD BRIDGE ON GANGA - MUNGER



HIGHEST RAIL BIRDGE UNDER CONSTRUCTION IN NORTH EAST



JUBLEE RAIL BRIDGE ON HOOGLY - KOLKATTA



LONGEST RAIL TUNNEL COMPLETED IN NORTH EAST



RAMPED UP BUILDING OF NEW FREIGHT TERMINALS

NO. OF PVT SIDINGS AND PRIVATE FREIGHT TERMINALS COMMISIONED



MISSION '100' WAS LAUNCHED IN 2015-16 TO EXPEDITE COMMISSIONING OF TERMINALS TO SUPPORT FREIGHT GROWTH

PLAN TO MODERNISEGOOD SHEDS THROUGH PPP UNDERWAY



LEVERAGED THE PRIVATE SECTOR TO BUILD INFRASTRUCTURE



CONSTRUCTION IN FULL SWING AT MARWHORA



CONSTRUCTION IN FULL SWING AT MADHEPURA



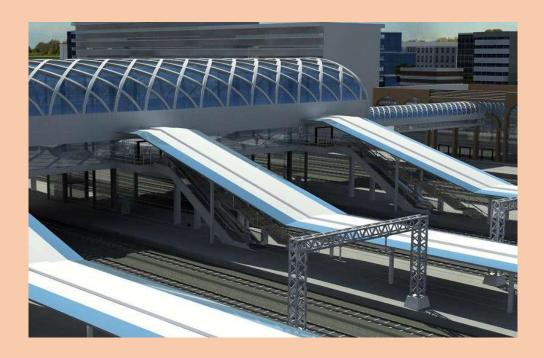
PROTOTYPE OF LOCOMOTIVE TO BE 'MADE IN INDIA' BEING DEVELOPED IN UNITED STATES

Approved 2 new loco factories in Bihar (were stuck since 10 years), one of the largest FDIs in India with combined order book of ₹40,000 Crore. Factories currently under construction; Target to commission in next year



MODERNISING STATIONS

Contracts awarded and construction commenced for **Habibganj and Gandhinagar Railway Stations**



25+ STATIONS under various stages of bidding

Redevelopment programme would entail investments of more than ₹1,00,000 Crore





PICKED UP 'SPEED'

Introduced India's fastest train

Gatimaan Express

@ 160kmph



Formed 'National High Speed Corporation' to undertake high speed railway construction between Mumbai & Ahmedabad

Sanctioned `17,000 crore to develop Delhi-Mumbai and Delhi-Kolkatta as integrated semi high speed corridors (160-200Kmph). Contracts to be awarded this year

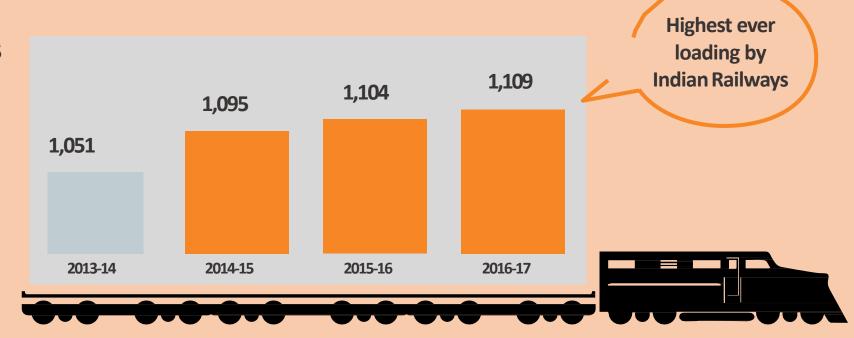




CONSTANTLY IMPROVED FREIGHT PERFORMANCE

- For the first time ever in Indian Railways, freight rates were reduced
- Port congestion charges dropped
- Dual pricing policy of iron withdrawn

TONNAGE MNTONNES





LIBERALISED THE FREIGHT SECTOR

Numerous policy interventions carried out

Multi-point loading introduced

Siding policy liberalised

Last mile connectivity through Roadrailers, Roll on RollOffs Automatic freight rebate scheme in traditional empty flow direction introduced

Goods terminals opened up for handling containers

Time-tabled freight services introduced

Container sector opened up for more commodities





BECAME MORE CUSTOMER FRIENDLY



Appointed **Key Customer Managers** to serve as single point of contact for all major freight customers.

Introduced Long term contracts, which are being signed by key customers



Structured dialogue between Railways and Customers christened 'Samvad' started



Electronic registration of Demand and Electronic transmission of Railway Receipts started



IMPROVED CUSTOMER EXPERIENCE BY GOING DIGITAL

%OF CASHLESS TRANSACTIONS

Passenger Business

99%

68%

Freight Business 1,20,000

Number of simultaneous internet users handling capacity



System capability improved by 3 times



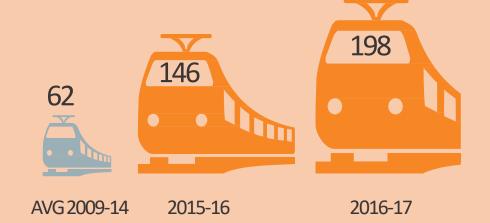
INSPIRED FROM 'SWACHH BHARAT', LAUNCHED 'SWACHH RAIL'

NO. OF BIO-TOILETS



NO. OF OBHS TRAINS

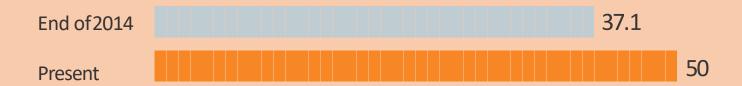






MADE PASSENGERS FEEL AT HOME

RESERVED ACCOMMODATION CAPACITY [NO. OF BERTHS IN CRORE]



Launched all India helpline 182 to resolve passenger complaints



Launched new catering policy

Food to be prepared largely at sophisticated, world class base kitchens. Big push on E-Catering and Ready to Eat meals – Offers more choice to passengers



BUILT 'ONE OF ITS KIND' COMPLAINT REDRESSAL MECHANISM IN THE WORLD

INPUTS





PROCESS

24/7 operations via a centrally managed cell

Tweets classified as critical, non-critical, suggestions & others

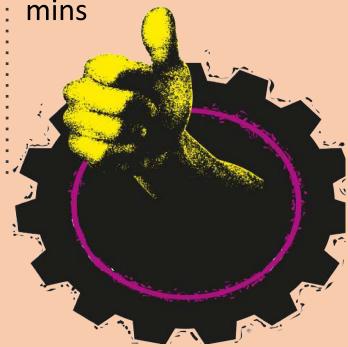
For every actionable tweet, a ticket is opened in the system

Critical tweets are communicated via SMS or phone calls

Each ticket is monitored at various stages in the system until resolution

OUTPUT

Average repsonse time of less than 30 mins





FOCUSSED ON REDUCING COSTS AND LOOKING AT ALTERNATIVE SOURCES OF REVENUE

Significant cost savings planned

- Launched Mission 41K - Save ₹41,000 Crores in 10 years through energy efficiency and procurement optimization

Achieved ₹ 10,100 crores of non-fare revenue in 2016-17, almost 80% increase in one year

- Various initiatives lined up to boost Non Fare Revenues further
 - Train Branding Both external and internal advertising on trains
 - Railway display network—Creating a new medium for advertising and information dissemination
 - Sole advertising rights for the entire Zonal Railway; On Boardentertainment



LAUNCHED NEW TRAIN PRODUCTS





Launched new trains products to meet targeted customer needs — **Tejas, Humsafar, Mahamana and Antyodaya trains**









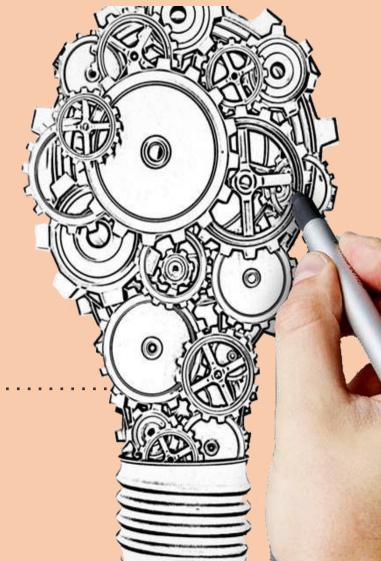
UNDERTOOK MAJOR STRUCTURAL REFORMS



Setting up an independent regulator, Rail Development Authority approved. One of the biggest reforms in Rail Sector



Created distinct Rolling Stock and Traction Departments – Led to capture of massive synergies and improved operational efficiency





Piloted merger of Rail Budget and General Budget

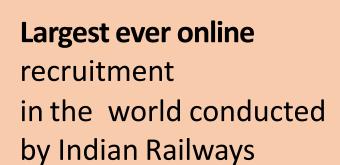


IMPROVED GOVERNANCE AND TRANSPARENCY

AVERAGE PROJECT APPROVAL DURATION (MONTHS)









Delgation of powers to functional levels



Key result areas
defined for
General Managers
& DRMs

100%

e-procurement
established.
Complete
digitisation of
supply chain
catering to annual
procurement of
more than
₹ 25,000 Cr







75 YEARS OF INDEPENDENCE

INDEPENDENCE FROM HIGH EMISSIONS

ROADMAP

Already doubled the pace of electrification

~16,000 Km to be electrified in the next 3 years

Leveraging other PSUs e.g., PGCIL for implementation











TRANSFORMATIVE
AGENDA FOR
HIGHER SPEEDS

Speed of freight trains @50kmph & Mail/Express trains @ 80 kmph. Semi high speed trains along golden quadrilateral





