Ministry of Railways

Future Roadmap

Safety & Security

- Eliminate all Manned Level Crossings (MLCs)-
  - MLCs to be eliminated by construction of new ROBs/RUBs
    - GQ/GD by 2022
    - All others by 2024
- Advanced signalling
  - TCAS to be upgraded to make its features equivalent to other advanced system. To be completed by Aug 2019
  - Completion of pilot projects of advanced signalling in 4 segments - works to be awarded by July 2019, works to be started by August 19 and to be completed in 18 months
  - Installation of advanced signalling on the whole network by 2024
  - Approval of the cabinet for 10 MHz spectrum
- Crew voice and video recording systems (Black box for the trains) in 500 locos by March 2020 and in all locos in 3 years
- Reducing the number of both consequential and non-consequential train accidents and deaths/injuries
- CCTV in all coaches and an on all stations
  - With surveillance system
  - All 6124 stations and 7020 coaches of premium trains & EMUs in Mumbai suburban - work to start by Aug 2019, to be completed in 12 months

Infrastructure

- EPC contracts (as far as possible, single packet, one stage system) for all infrastructure works to be made applicable by July 2019
- 100% railway electrification to be completed by 2022
- Increasing the maximum speed limit of tracks to 160 km/hr
  - Delhi-Howrah and Delhi-Mumbai section. Work to start by December 2019.
  - Approvals for other sections of golden quadrilateral and diagonals by December 2019 and works to start by March 2020.
- Station Redevelopment
○ IRSDC and zonal railways to start redevelopment work in 100 stations by December 2019.
○ Redevelopment with world class passenger amenities - waiting halls, ticketing, toilets, escalators/lifts, LED lights, etc
○ Commercial utilisation of railway land by separate process

● High Speed Railway
  ○ Commissioning of MAHSR
    ■ Trial section (Surat - Billimora) by Aug 2022
    ■ Full section by Dec 2023
  ○ Feasibility studies to be undertaken from July 2019 for identified segments and along greenfield highways/expressways

● Dedicated Freight Corridors
  ○ Commissioning of WDFC and EDFC
    ■ Khurja to Bhavpur (EDFC) by Dec 2019
    ■ Rewari to Palanpur (WDFC) by Feb 2020
    ■ Complete commissioning of both DFCs by Dec 2021
  ○ Feasibility studies to be undertaken and/or DPR to be prepared from July 2019 for three other corridors (Delhi-Chennai, Mumbai-Howrah and Kharagpur-Vijaywada)

● Master plan for doubling/tripling/quadrupling
  ○ Implementation as per priority from July 2019
  ○ Doubling/tripling/quadrupling of identified lines on GQ/GD to be completed by Dec 2021
  ○ Complete master plan to be completed by 2024
  ○ Completion of strategic lines (such as J&K railway line) to be given high priority

● Increasing production of rolling stock
  ○ Finalising production plan of next 10 years by July 2019
    ■ Manufacturing of LHB coaches & EMUs/MEMUs
    ■ Gradual replacement of ICF rakes by LHB rakes/EMUs/MEMUs
  ○ Vande Bharat train sets - 100 train sets by December 2020
  ○ Faster rakes with vistadome coaches for scenic/narrow gauge routes
  ○ Addition of 200 AC rakes in Mumbai Suburban
  ○ Conversion of diesel locos to electric locos -
    ■ 108 in 2019-20
    ■ All by 2024

● Introducing push-pull operations in all premium trains
● Solar Power Generation
To lease lands on either sides of tracks to companies for solar power generation.
- 1000 MW solar power plant

Reforms in the PPP Policy for making it more market oriented to be able to attract investments for economically viable projects by making them financially attractive

Increasing availability of freight trains -
- Early completion of doubling/tripling/quadrupling works
- Policies to allow more private wagons/trains - removing/relaxing the condition of ERR, assuring path

Increasing the speed of empty wagons to run at 100 Kmph and loaded trains to run at 60 kmph for improving turnaround time

Head on Generation (HOG) to replace End on Generation (EOG) in all premium trains to reduce diesel consumption, pollution and noise

Await open access in 8 more states viz Tamil Nadu, Kerala, Andhra Pradesh, Telangana, West Bengal, Chhattisgarh, Odisha and Punjab to reduce the electrical energy cost

Faster conversion of diesel to electric locomotives

Complete the works of production/other units at Latur, New Bongaigaon, Lumding, Sonipat and Jhansi in 2020.

**Passenger and Freight services**

- Punctuality – Target 100% with accurate reporting
- Introducing new trains with private participation
- Rationalisation of timetables to ensure better throughput of passenger trains
- Cleanliness – Stations, trains and along the tracks
- Catering – Better quality, service
- Increasing modal share of Railways in freight and passenger traffic
- WiFi on all trains and stations
- POS machines, digital payment facilities for payments (ticketing, catering)
- Eliminate jerks in all LHB rakes
- Rail Display Network
- Timetabled freight trains - especially for perishable commodities
- Real Time Information System (RTIS) to be implemented 100% on all locomotives
- Increasing the speed of freight trains
● Increase private participation in ownership and operations of freight trains/wagons by liberalising policies
● Open new routes to operate double stack dwarf containers
● Permit private operators to run premium passenger train services Rajdhani/Shatabdi

Human Resources

● NRTI to be made world class institutions
  ○ Faculty to be appointed by Sept 2019
  ○ Various schools to be started by Sept 2019
  ○ Construction of new campus to begin by Sept 2019
● RDSO to be made world class organisation
  ○ Upgradation of infrastructure - Plan to be approved by July 2019. Work to start immediately after that.
  ○ Lateral entry of technocrats
● Merger of services and reorganisation of railway board - to be finalised in June 2019
● Selection criteria for GMs and DRMs to be revised to ensure that ‘best managers/leaders’ are appointed as GMs and DRMs - to be finalised in June 2019

Miscellaneous

● Complete transition to accrual based accounting system - to be started by Aug 2019
● eFiles in all offices - to be completed by September 2019
● Better practices for procurement especially for sleepers and wagons (Bucket filling and Reverse auction)
● Increasing Non Fare Revenue (NFR)
● Railway housing, monetisation of redevelopment of railway land - development of 68 housing colonies to be started
● Improving facilities in Railway Hospitals
  ○ Ayushman Bharat in all Railway Hospitals
● Increasing the number of PG seats in Railway Hospitals
● Review of existing stoppages based on footfall