Indian Railways

July 2008
ORGANISATION STRUCTURE

MINISTER OF RAILWAYS

MINISTER OF STATE
FOR RAILWAYS-MSR(N)

MINISTER OF STATE
FOR RAILWAYS-MSR(V)

RAILWAY BOARD

CHAIRMAN
RAILWAY BOARD

MEMBER ELECTRICAL
MEMBER STAFF
MEMBER ENGINEERING

MEMBER MECHANICAL
MEMBER TRAFFIC
FINANCIAL COMMISSIONER

DIRECTOR-GENERAL
RLY. HEALTH SERVICES
DIRECTOR-GENERAL
RPF

SECRETARY
ESTT.
ADTN.
MATTERS
MATTERS

ZONAL RAILWAYS

GENERAL MANAGERS
CENTRAL
EASTERN
EAST CENTRAL
EAST COAST
NORTHERN
NORTH CENTRAL
NORTH EASTERN
NORTHEAST FRONTIER
NORTH WESTERN
SOUTHERN
SOUTH CENTRAL
SOUTH EASTERN
SOUTH EAST CENTRAL
SOUTH WESTERN
WESTERN
WEST CENTRAL

PRODUCTION UNITS

GENERAL MANAGERS
CHITTARANJAN
LOCOMOTIVE WORKS
DIESEL LOCOMOTIVE WORKS
INTEGRAL COACH FACTORY
RAIL COACH FACTORY
RAIL WHEEL FACTORY
CAO (R)**

DIESEL LOCO
MODERNISATION WORKS
CENTRAL
ORGANISATION FOR MODERNISATION OF WORKSHOPS

OTHER UNITS

GENERAL MANAGERS
NF RAILWAY (CONSTRUCTION)
METRO RLY.
KOLKATA
CENTRAL ORGANISATION FOR RAILWAY ELECTRIFICATION
DIRECTOR-GENERAL

DIRECTOR - GENERAL & EX. OFFICIO
GENERAL MANAGER

RDSO

PUBLIC SECTOR
UNDERTAKINGS/
CORPORATIONS, ETC.

IRCON
RITES
CRIS
CONCOR
IRFC
KRC
IRCTC
RCIL
MRVC
RVNL

(As on February 9, 2005)

* Chief Administrative Officer (Railways)
High Density Corridor (Golden Quadrilateral + Diagonals) 16% of route Km carries 52% of passenger & 58% of freight
IR – Network and Resources

• Predominantly 1676mm (BG) gauge
• 63,327 Route Km
• 17,786 Electrified Route Km (27% of total route km)
• 6,974 Stations
• 8,153 Locomotives (3294 electric)
• 2,07,719 wagons & 45,350 passenger cars including EMU’s
• 2 Passenger Car Manufacturing Units, 2 Locomotive Manufacturing Units, 1 Wheel and Axle Plant and 1 Locomotive Rebuilding Plant
• 1.4 Million Employees
IR – Role & Characteristic

- **Lifeline of the nation – IR carries ...**
  - 67% of all Coal
  - 74% of all Fertiliser
  - 70% of all Iron Ore
  - 41% of all Cement
  - 25% of all POL
  - 20% of all Foodgrain

- **Complexity of Operations**
  - Intense Freight-Passenger interaction on common infrastructure
  - High Density Corridor (Golden Quadrilateral + Diagonals)
    16% of route Km carries 52% of passenger & 58% of freight
IR - Revenues

- Total Revenue - US$ 15.4 billion
- Freight Revenue - US$ 10.3 billion
- Passenger Revenue - US$ 4.2 billion
- Cash Surplus – US $ 4.9 billion
IR – Freight Business

- **Originating Tonne-**
  - 726 million tonnes in 2006-07
  - Growth of 9%

- **Freight Revenue –**
  - US $ 10.3 billion per annum
  - 16% growth in 2006-07

- **Net Tonne Kilometer (NTKM) -**
  - 476 billion
  - Growth of 8.5%

- **Operating Ratio -78.7%**

- **Average Lead-656 km**
IR Freight Profile

**Entire Spectrum**

- Bulk coal/ores - 61%
- Cement - 9%
- Food Grains - 6%
- Petro Products - 5%
- Fertilisers - 5%
- Containerized cargo - 5%
- Iron & Steel - 3%
IR– Passenger Business

- 10,000+ Passenger Trains per day
- Number of Passengers -6.3 billion/annum
- Passenger Kilometer-699 billion
- Passenger Revenue-US$ 4.2
- Average Lead-
  - Suburban-33 km
  - Non Suburban-223 km
IR Passenger Profile

• 59% Suburban passengers
• Diverse Customer Base
  - 9 Travel Classes
  - Charge for 1000 Km range US $ 2 to 50 depending upon class of travel
• Computerized reservations - One million transactions per day
Takeoff To High Growth

![Graph showing percentage rate of growth in freight and passenger over different periods.](image_url)
Drivers of Growth

- Intensive asset utilisation (track, wagons, coaches, locos)
- Increase in axle load and improvement in turn-round of wagons
- Lowering of unit costs through higher volumes
- Focus on customers
- Differentiated strategy for social and commercial segments of operation
- Dynamic and market-driven tariff for freight and premium passengers
- Reduction of tariffs in real terms
Strategy for Growth Freight Business

- Capacity Augmentation through Dedicated Freight Corridors
- Enhancement of Axle Load to 25T
- Strengthen Port connectivities
- Uni-gauge Network
- Set up logistics parks
- Enter into long term service agreements
- Double Stack Container Operation
- Enhancing Capacities for production of locomotives
Strategy for Growth
Passenger Business

• Increase in speed up to 150 kmph on existing routes connecting four Metros

• Development of World Class Passenger terminals (25)

• Develop infrastructure for commuter travel with State Governments cooperation

• Development of High Speed Corridors on selected routes
Avenues for Investment

- Dedicated Freight Corridor Project and other Infrastructure projects
- Manufacturing locomotives/ coaches/other railway equipment
- World Class Railway Stations, Passenger amenities and Commercial utilization of surplus land
- Development of logistic parks
- Operation of Container Trains
- High Speed Passenger Services
Vision 2015

- Doubling and port connectivity – 6000 Kms.
- Gauge conversion- 12,000 Kms.
- Dedicated Freight Corridors-11,500 Kms.
- Upgradation of feeder routes of DFC- 15,000 Kms.
- Asset renewal/upgradation—All HDN routes
- Modernization of passenger and freight terminals
- Augmentation of manufacturing capacity of rolling stock.
- Approximate investment – US$78 billion—provisional including work in progress
Thanks