



#### **ZERO FATALITY**

IR will provide safe travel by achieving a 'Near Zero fatality' performance

# INFRASTRUCTURE UPGRADATION AND PREFERRED FREIGHT CARRIER

IR aspires to add 1.5% to India's GDP by building infrastructure to support 40% modal freight share of India's economy

# PREFERRED FREIGHT CARRIER

IR will develop integrated business solutions to capture new traffic

#### PASSENGER EXPERIENCE

IR will provide air cooled/temperature controlled services for long distance travel to all segments of passengers in India

IR shall aspire to become the epitome of 'Swachh Bharat'

#### **COST FOCUS**

IR will value engineer its processes to ensure transparency, cost effectiveness & expeditious decision making

#### **ORGANISATION CULTURE**

IR will imbibe a culture which fosters team work, innovation, accountability and encourages proactive initiative taking

#### **LEVERAGING TECHNOLOGY**

IR is committed to leveraging latest technology, employee trainings and infrastructure upgrades on stations and trains to increase customer satisfaction

#### SUSTAINABILITY

IR will take a proactive approach to ensure sustainability especially environmental in its pursuits



#### The strategic road map to support this Vision is detailed out across 4 levels

#### 9 Themes

8 themes from Rail Vikas Shivir and an additional theme on Sustainability

#### **Sub-themes**

Each of the 9 themes has been subdivided into relevant sub themes

#### **Initiatives**

Under each sub theme distinct strategic initiatives have been identified

#### **Action Plans**

For each initiative key elements have been defined:

**Goals** 

**Milestones** 

Resource requirements

**Outcomes** 

Responsibilities



#### For each initiative, an action plan needs to be developed

Theme



'Zero' fatalities

**Sub-Theme** 



Infrastructural upgrades

**Initiative Goal** 



Elimination of 6,113 Unmanned Level Crossings (UMLCs) on Broad Gauge Lines

## **ACTION PLAN**

#### **METHOD OF ELEMINATION**

1.	2016-17	2017-18	2018-19	TOTAL
By Closure	24	13	20	57
By Merger	144	119	148	411
By Provision of Subway/ RUB	630	1030	1068	2728
By Manning	642	1124	1151	2917
TOTAL	1440	2286	2387	6113

#### **RESOURCE PLANNING**

Funds required for initiative

₹**7,500** CRORE

₹**3,900** CRORE

Funds likely available for initiative (2016-19)

₹**3,600** CRORE

Additional funds

#### **OUTCOME**



Reduction in accidents by 66%



Improvement in throughput and speed

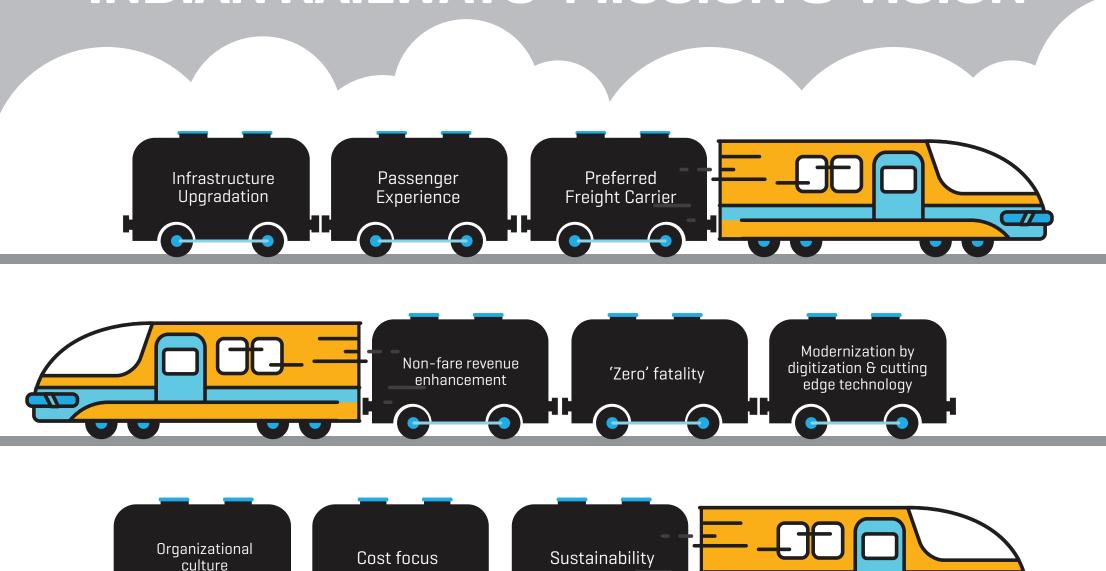
#### RESPONSIBILITIES



Member Engineering

Action plan for each initiative to include goals, milestones, resource requirements, outcomes and responsibilities

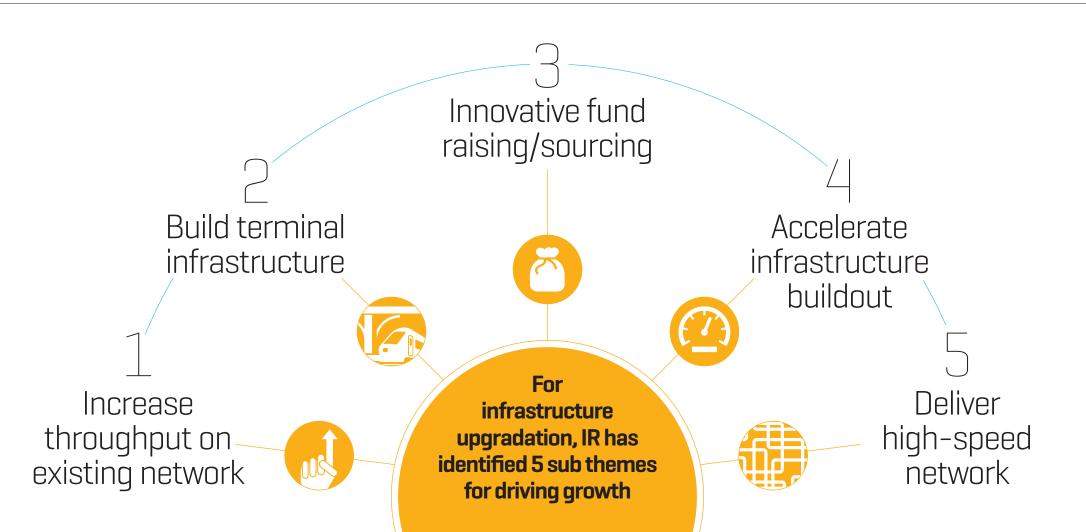
# INDIAN RAILWAYS' MISSION & VISION





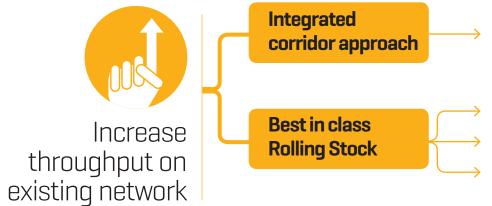
#### Create a 3X bigger Indian Railways that is economically viable:

Leverage INR 8,50,000 cr. of capex to expand the railways infrastructure to support the aspirational modal mix in freight volumes





SUB-THEME INITIATIVE DESCRIPTION

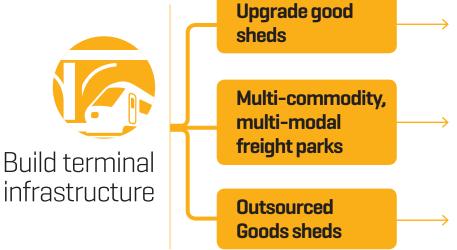


Increase throughput by 10% by an integrated approach across 2-3 critical corridors (Removal of PSR and TSRs, improved signaling, bridges and track upgrades, enhanced horse power to trailing load ratio etc.)

Reduce the differential in maximum rated capacity of freight wagons

Propagate 25 Ton, and low tare freight wagons

Reduce different types of rolling stock on the system

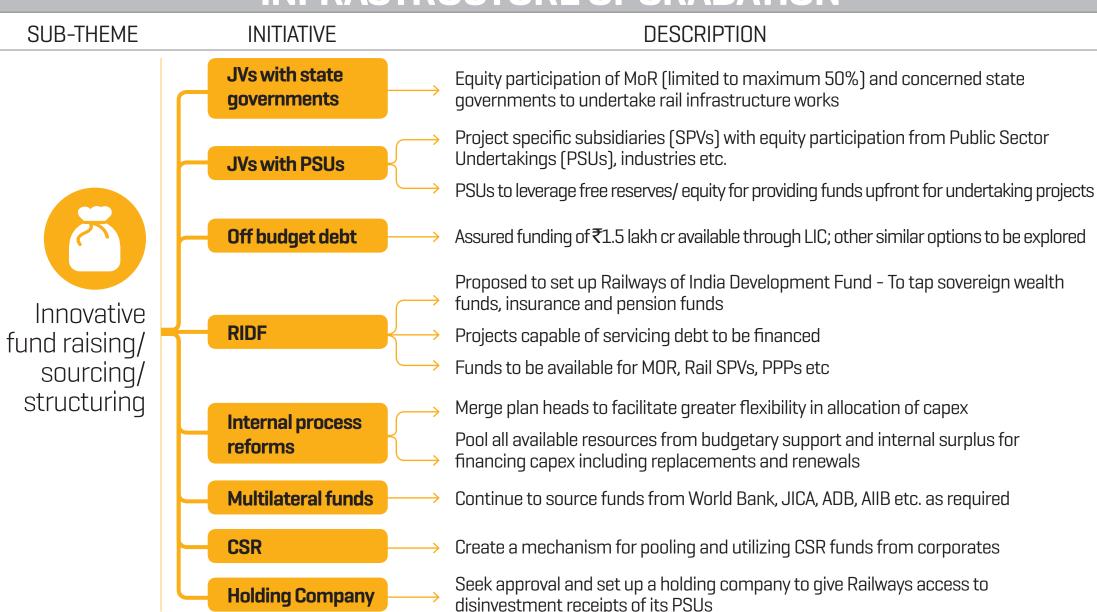


Upgrade operating conditions of goods sheds based on pre-defined infrastructure requirements via PPP arrangements

Expand capacity and scope of terminal services by partnering with existing government agencies (e.g., DMICDC, State Governments, NHAI) to build multi-commodity, multi-modal freight logistics parks

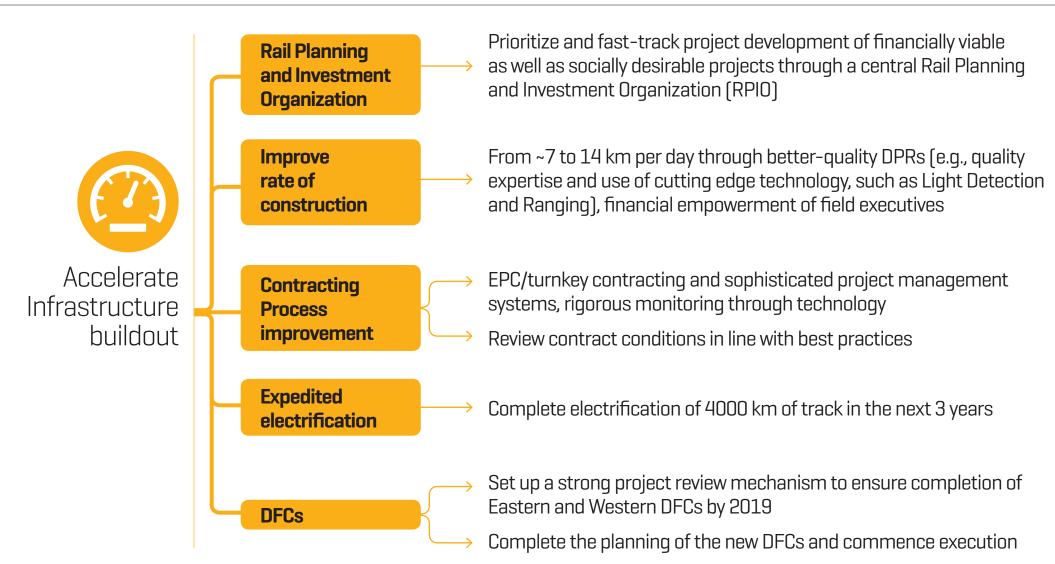
Conversion of Existing Goods sheds to Outsourced Goods sheds by Outsourcing Goods shed activities: policy change, retaining ownership, railways as common carrier





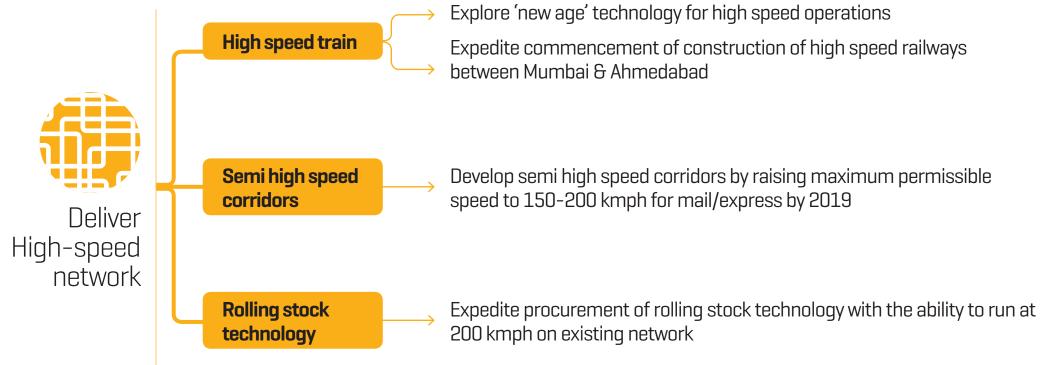


SUB-THEME INITIATIVE DESCRIPTION





SUB-THEME INITIATIVE DESCRIPTION

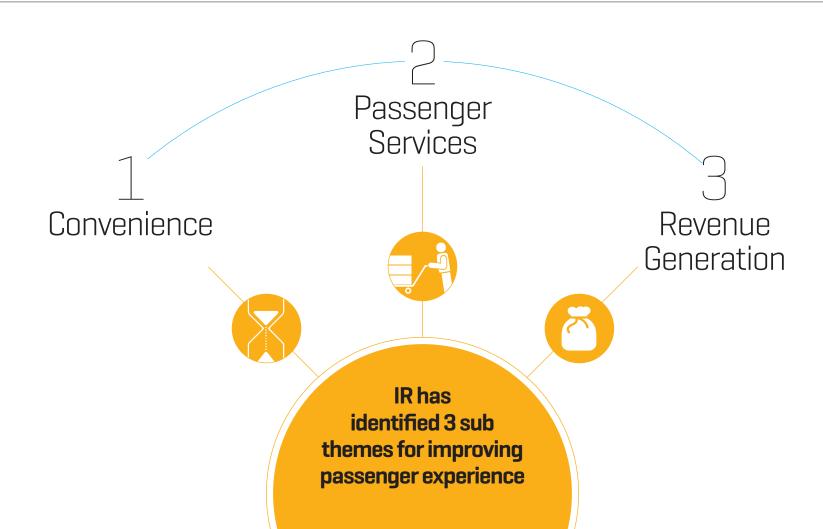




#### PASSENGER EXPERIENCE

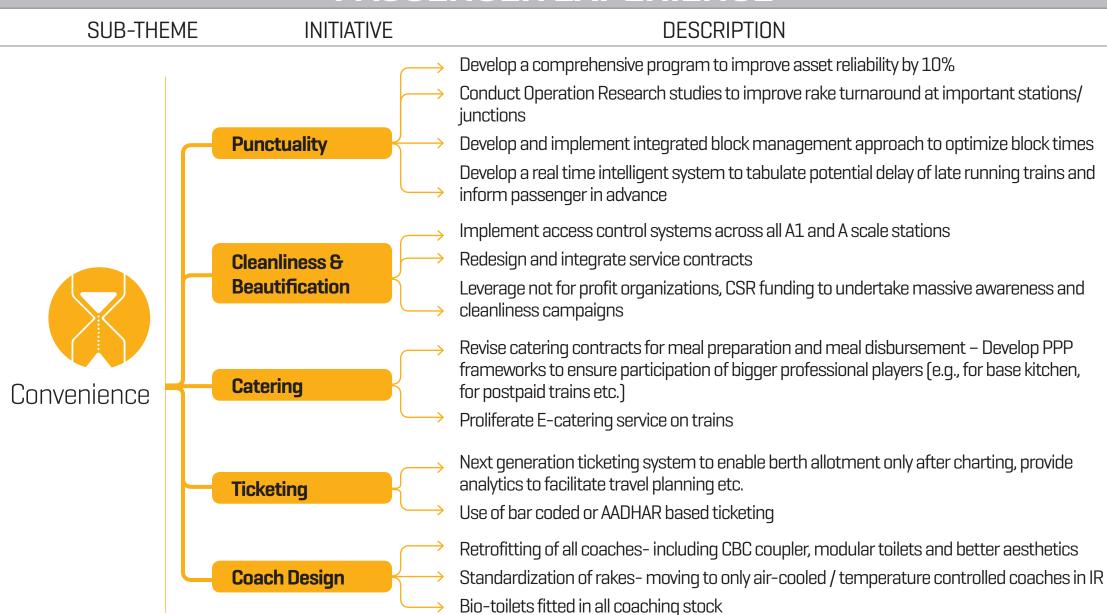
#### Ensure every train journey for Indian citizen is a pleasurable experience:

Fundamentally redefine the customer value proposition by positioning key metrics like cleanliness, convenience, punctuality and service orientation



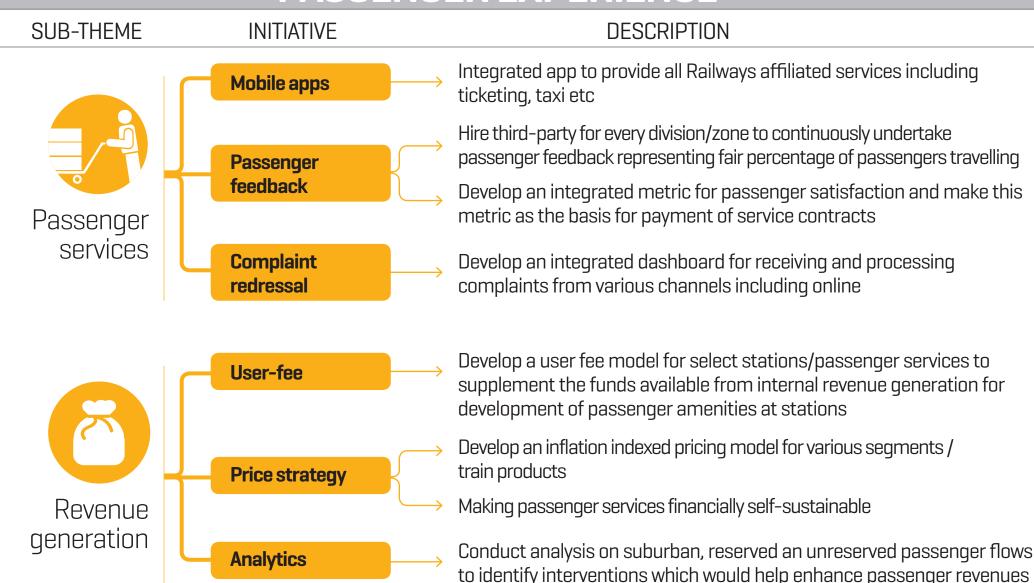


## PASSENGER EXPERIENCE





## PASSENGER EXPERIENCE





#### PREFERRED FREIGHT CARRIER

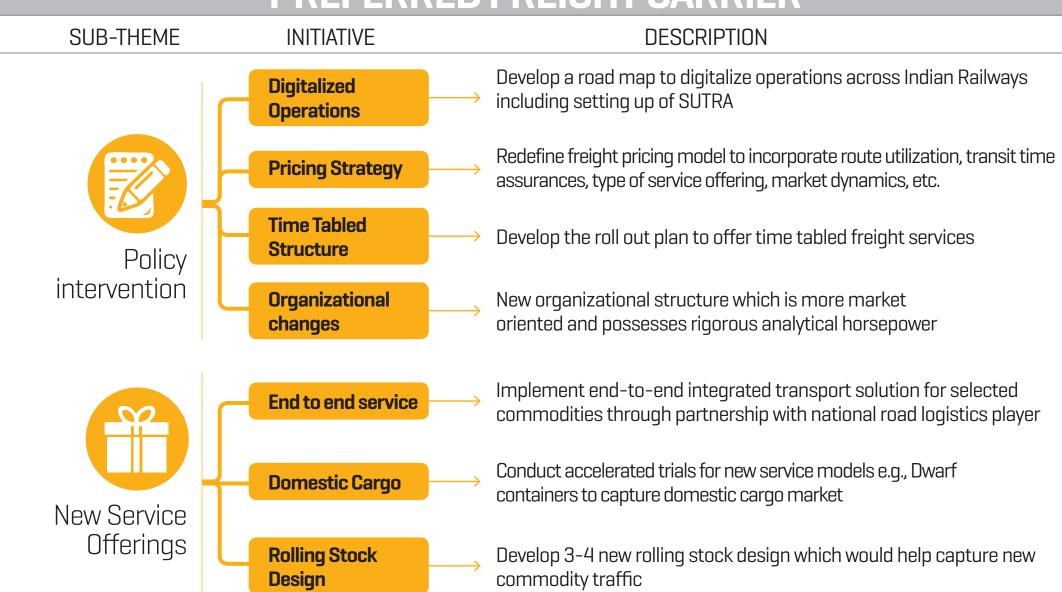
#### Make Indian Railways the preferred freight carrier in India:

Improve modal share to 37% in 10 years through dynamic pricing, key account management, expanding the freight basket and incorporating a customer focused approach





## PREFERRED FREIGHT CARRIER

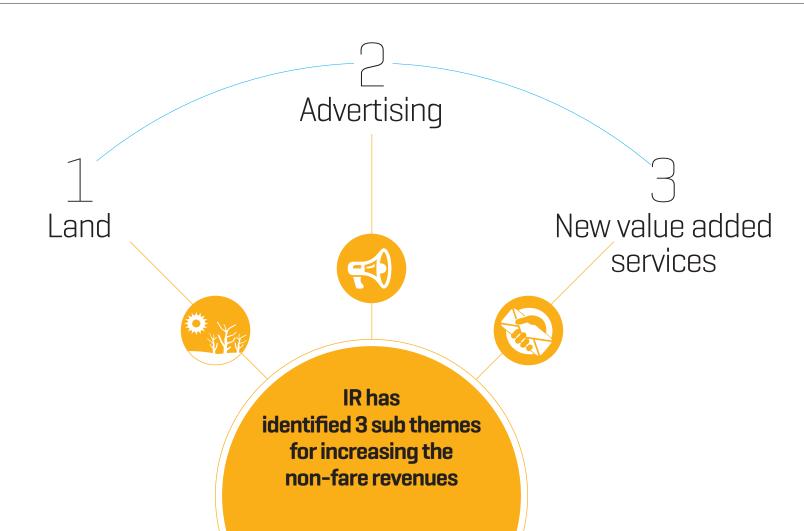




#### NON-FARE REVENUES ENHANCEMENT

Looking beyond fare: Dramatically improve non-fare revenues through advertising and real estate development:

Increase non-fare revenues to at least 15% in 5 years by fully redeveloping at least 100 stations, getting full potential from advertising, and other innovative measures to monetize lands and other assets and services





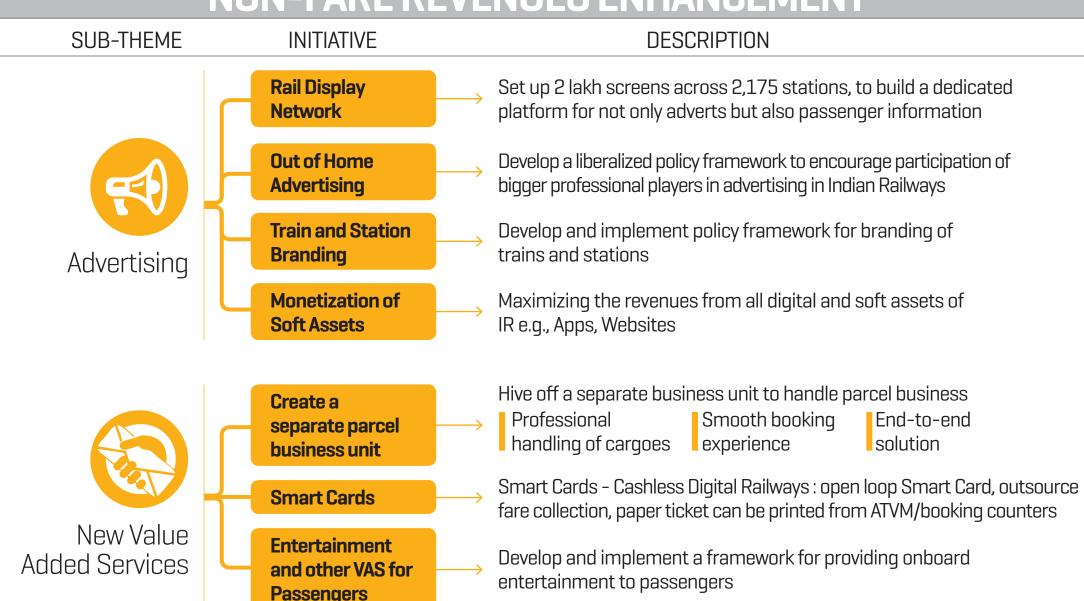
#### NON-FARE REVENUES ENHANCEMENT

SUB-THEME INITIATIVE DESCRIPTION





#### NON-FARE REVENUES ENHANCEMENT

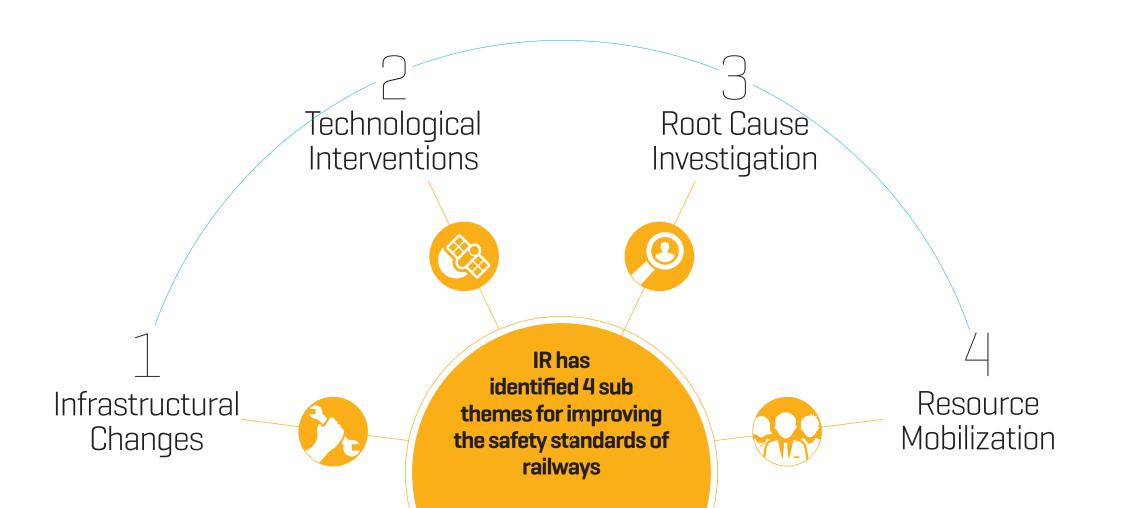




## **ZERO FATALITY**

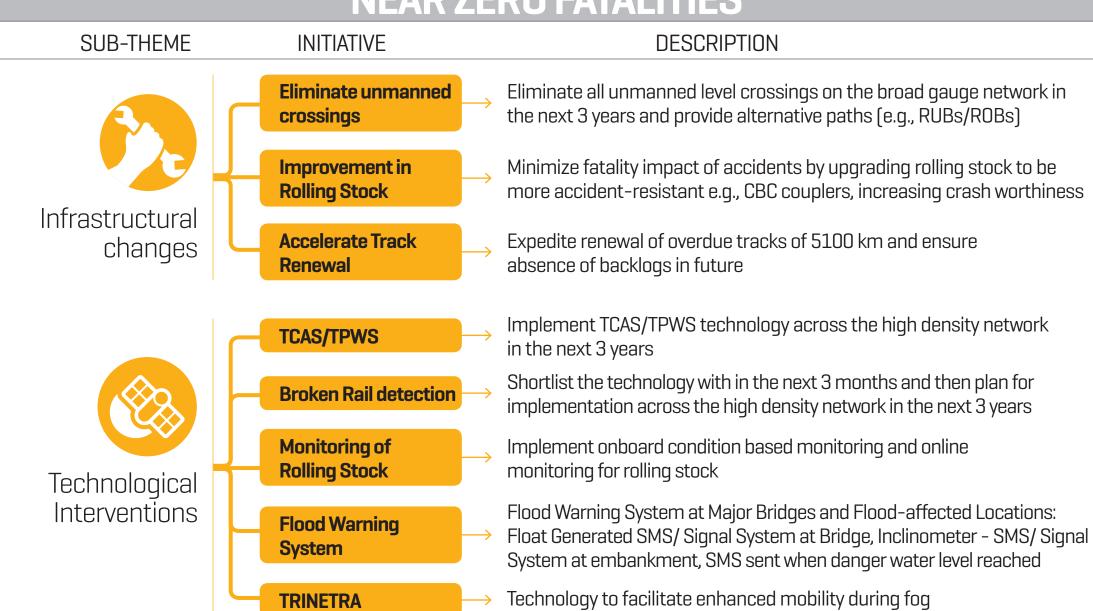
#### Move towards near zero fatalities on Indian Railways:

Leverage technology, infrastructure upgrades and training to move Indian Railways to near zero fatalities in 5 years





## **NEAR ZERO FATALITIES**





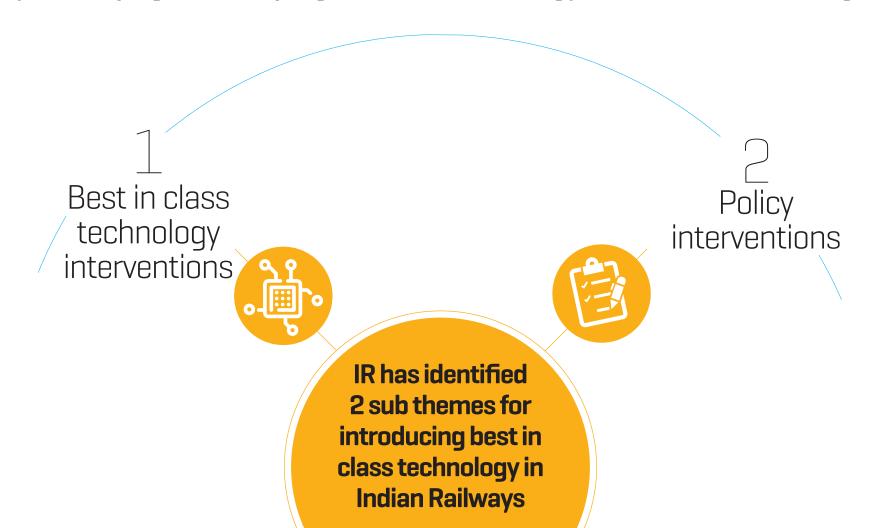
## **NEAR ZERO FATALITIES**

SUB-THEME INITIATIVE DESCRIPTION Displaying horror/frightening signboards to break overconfidence **Neuroscience** Technological and status quo biases, Provision of reference points on train exterior Approach to Interventions helping in judging size and speed of trains at bare landscapes, **Minimize Deaths** [contd] Enhanced trespasser alertness by erecting whistle boards prompting due to Trespassing drivers for two short bursts instead of one long Strengthen root cause investigation by establishing a dedicated **Dedicated** investigative agency team with external experts and capabilities investigative team Tracking all Commence tracking of all accidents and fatalities that take place on accidents the system Root Cause **Open reporting** Encourage open culture of reporting even near-misses via safety Investigation training for all staff and a revised penalty system culture Proposed to set up INR 120,000 Cr. Special Railways Safety Fund to undertake safety related work **RRSK** Fund to be provided by contributions from MoF and internal resource generation from IR Resource Develop frameworks for innovative funding of Safety projects e.g. **Innovative Funding** Mobilization Annuity, Asset Upgradation etc.



## MODERNIZATION BY DIGITIZATION & CUTTING-EDGE TECHNOLOGY

Modernize Indian Railways by using best-in-class technology: Evaluate root causes for Indian Railways sedate progress in adopting best in class technology and determine 5-6 strategic shifts





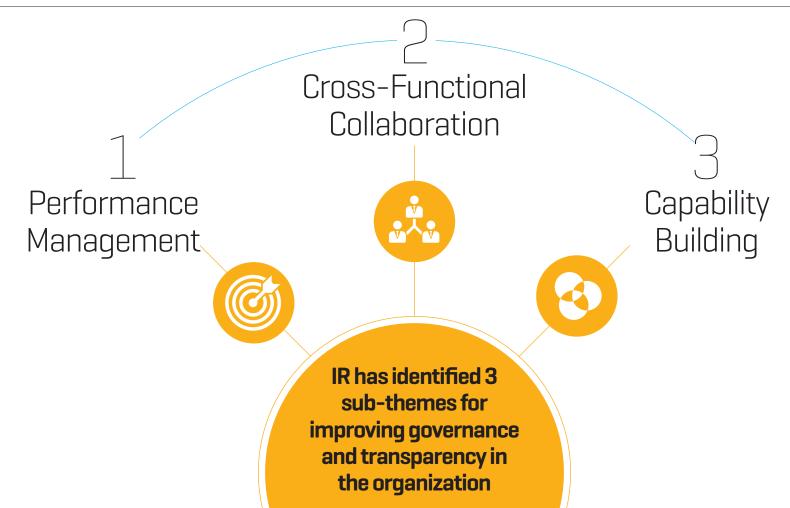
## MODERNIZATION BY DIGITIZATION & CUTTING-EDGE TECHNOLOGY





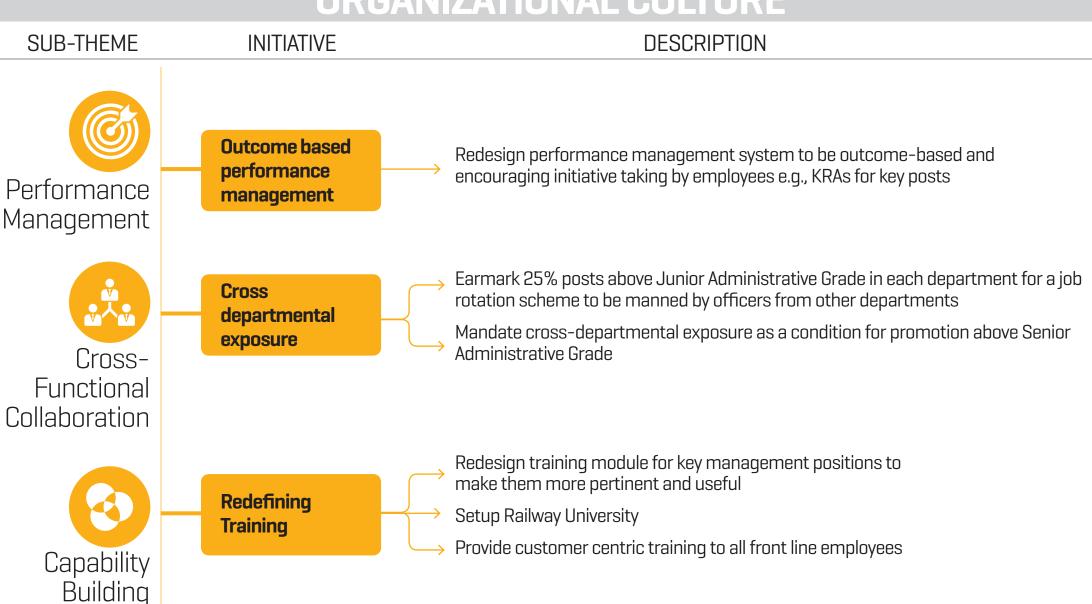
## ORGANIZATIONAL CULTURE

Team Railways: Foster collaborative, agile and innovative culture in railways: Learn from other railways and internally to come up with big shifts to foster collaborative, agile and innovative railways – create a roadmap to make it happen





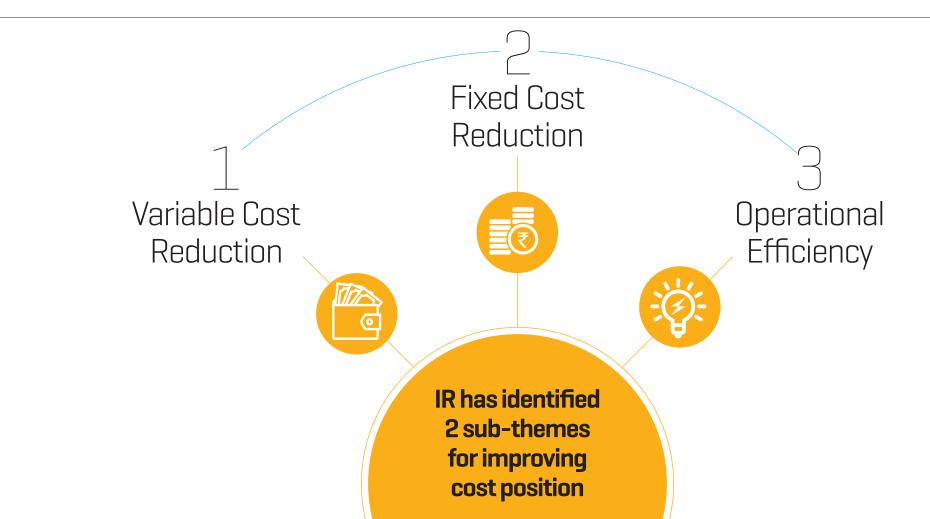
## ORGANIZATIONAL CULTURE





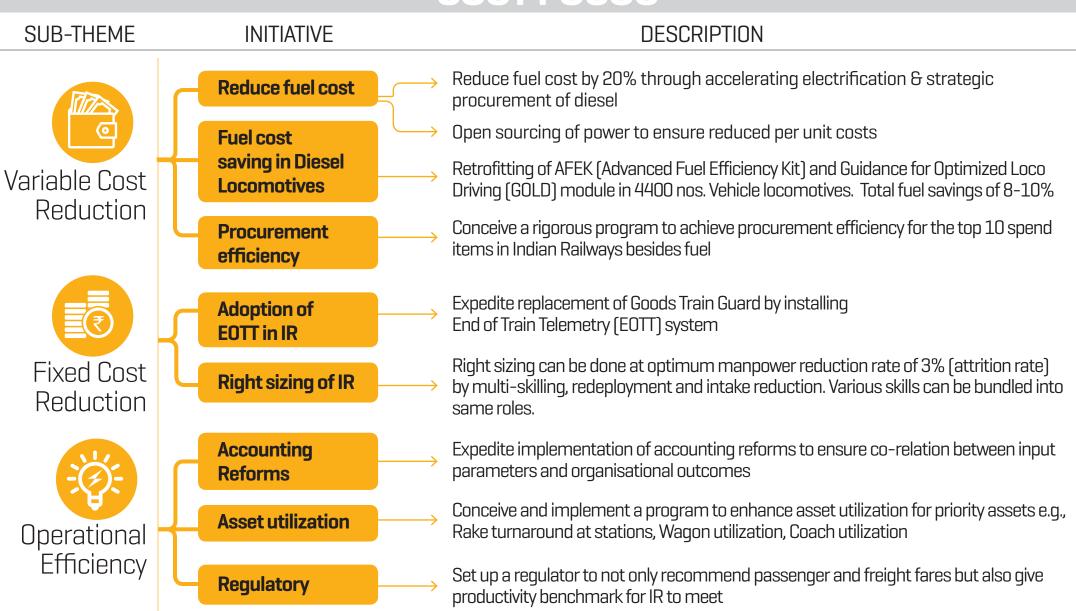
## **COST FOCUS**

Significantly improve cost positions across functions: Aim to reduce operational cost by 10% in 5 years





#### **COST FOCUS**





## SUSTAINABILITY





## **SUSTAINABILITY**

