

INDIA: ZERO DEFECT ZERO EFFECT

INNOVATION, INDUSTRY & INFRA

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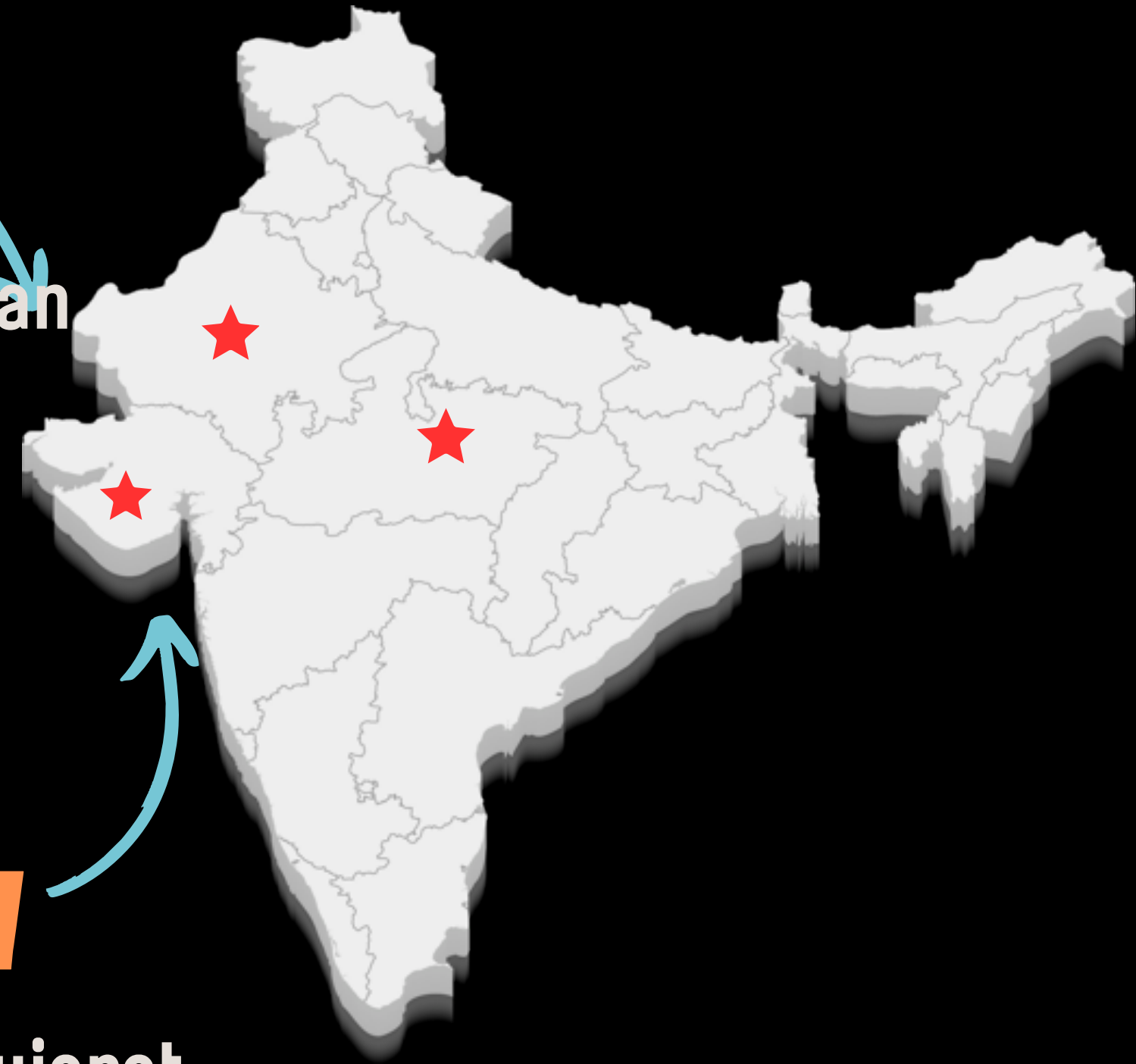
KIRTI

Region: Rajasthan
44,672 villages



GANDHARV

Region: Delhi+Gujarat
18,225 villages





RURAL

- India is home to around 600,000 villages
- 70% of population still resides in rural India
- Limited access to basic needs/services, such as health care, transportation, and education

URBAN

- Urban infrastructure problems in India is an age old problem.
- Economic development policy issues with budgetary allocation
- Tremendous growth in other sectors have left limited scope/priority

A photograph of a busy street in India. In the foreground, two cows are walking across the road. Behind them, several cars are visible, including a white van and a yellow taxi. The background shows more vehicles and buildings, suggesting a dense urban environment.

URBAN PROBLEMS

1. Residence
2. Business Premises
3. Transportation/Mobility
4. Tourism Infra
5. SEZ's
6. Disaster vulnerabilities
7. Environmental concerns
8. Socioeconomic disparities

RURAL PROBLEMS

1. Water & Sanitation
2. Electricity
3. Transportation/Mobility
4. Educational infra
5. Housing
6. Disaster vulnerabilities
7. Environmental concerns
8. Digital divide

A MORE CLOSER LOOK



An aerial photograph of a city skyline at dusk. In the foreground, a complex, multi-level highway interchange with several overpasses is visible, illuminated by streetlights. The city skyline in the background features numerous skyscrapers, some of which are brightly lit, contrasting with the darkening sky. The overall scene suggests a focus on urban infrastructure.

INFRASTRUCTURE DEVELOPMENT

INITIATIVES
& their reality

Over 53000kms of National highways were added with rural road connectivity increasing to nearly 99% coverage over last 9 years

7 trillion spent untill 2014 and the same amount was sent in last 9 years.
The speed of highway construction has reached 37km per day.

5.09 lakh km of Optical Fibre Cable already laid, the 29,500 crore (US\$4 billion) PPP tender for remaining nearly 100,000 gram panchayats and all the individual inhabited villages under hose panchayats ...



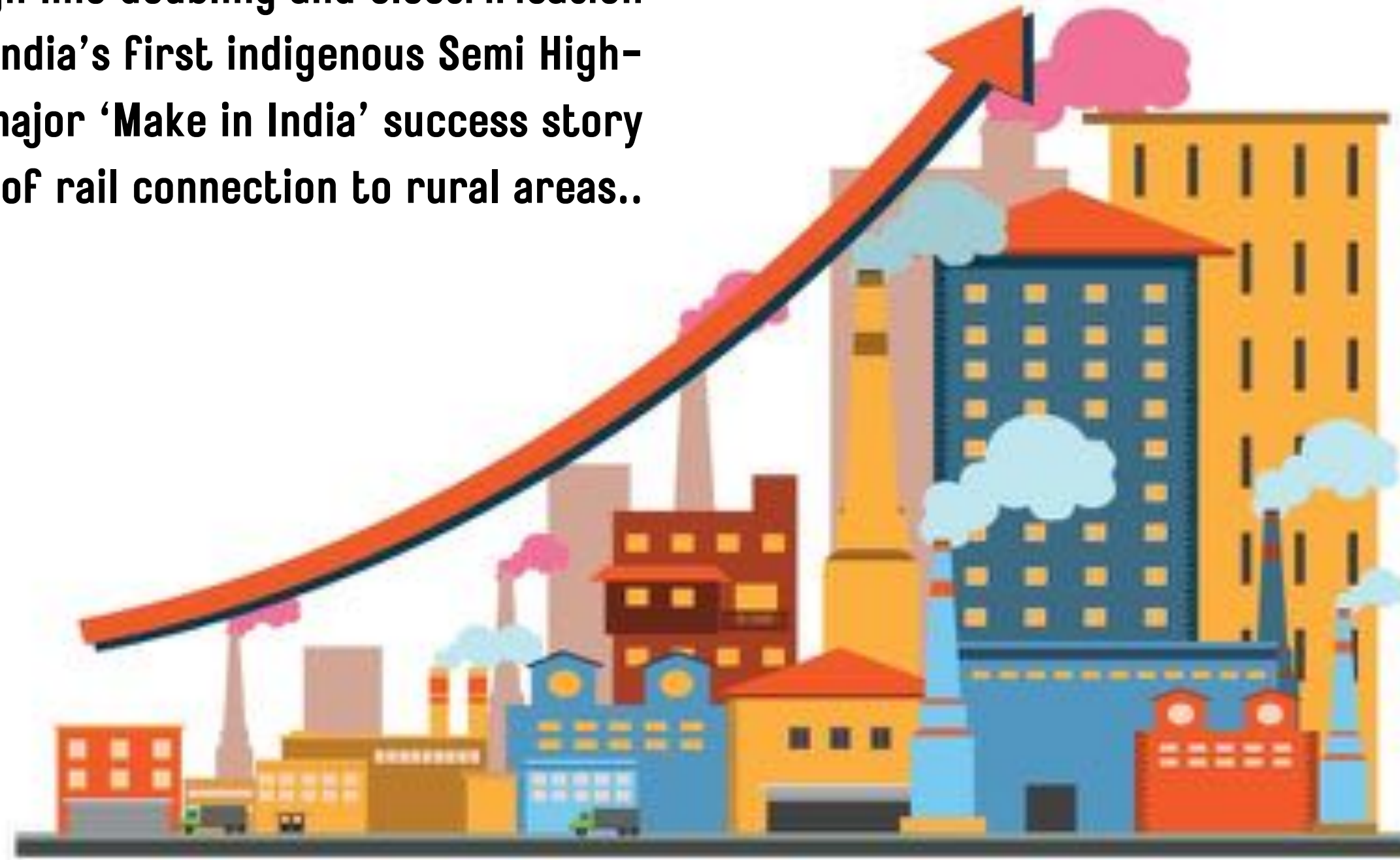
Multi-stakeholder engagement,
Sustainable development, help in making
gas water and toilet connections
effectively.





- Boosted the industrial development
- Supported sustainable revolution by specific policies and subsidies
- made India a transparent digital finance economy (Majority have right to finance and 80% have bank accounts)

Massive capacity expansion through line doubling and electrification and the Vande Bharat Express, India's first indigenous Semi High-Speed trains, is a major 'Make in India' success story
30000 km fof rail connection to rural areas..



- Multi-stakeholder communication for land takeovers
- Sustainable building approach
- Transparency and right communication
- Ethical Management and leadership

CHALLENGES & OPPORTUNITIES

- Engaging local skilled labor
- Having Sustainable approach
- Circular product approach
- National procurement
- learning approach

FACTS AND FIGURES

Key Growth Drivers:

Roads, railways, ports, power, and urban infrastructure are poised to drive India's future growth.



MASSIVE BUDGET COMMITMENT

India has allocated a staggering US\$ 122 billion for infrastructure investment in 2023-2024, demonstrating its commitment to catalyze economic growth.



THE INFRASTRUCTURE IMPERATIVE

With over half of its urban infrastructure needs unmet, India must invest US\$ 4.5 trillion to boost economic growth and societal well-being.



GREEN PLEDGE

India's pledge to achieve net-zero emissions by 2070 and reduce emissions intensity by 45% by 2030 highlights the critical role of sustainable infrastructure.



CONNECTION?

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



LOCAL ISSUE IN GLOBAL CONTEXT