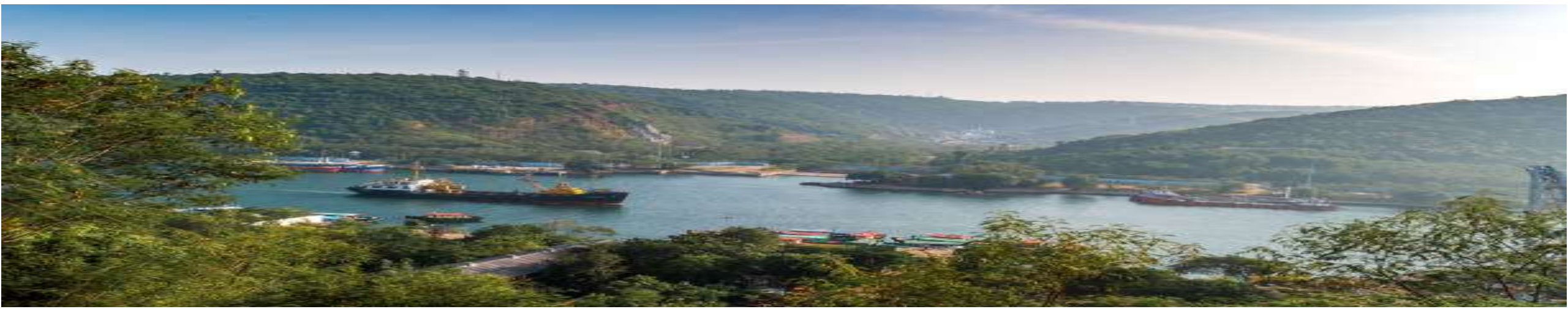




Environment Social & Governance Summit 2024

“Building Sustainable Business & Greener Tomorrow”

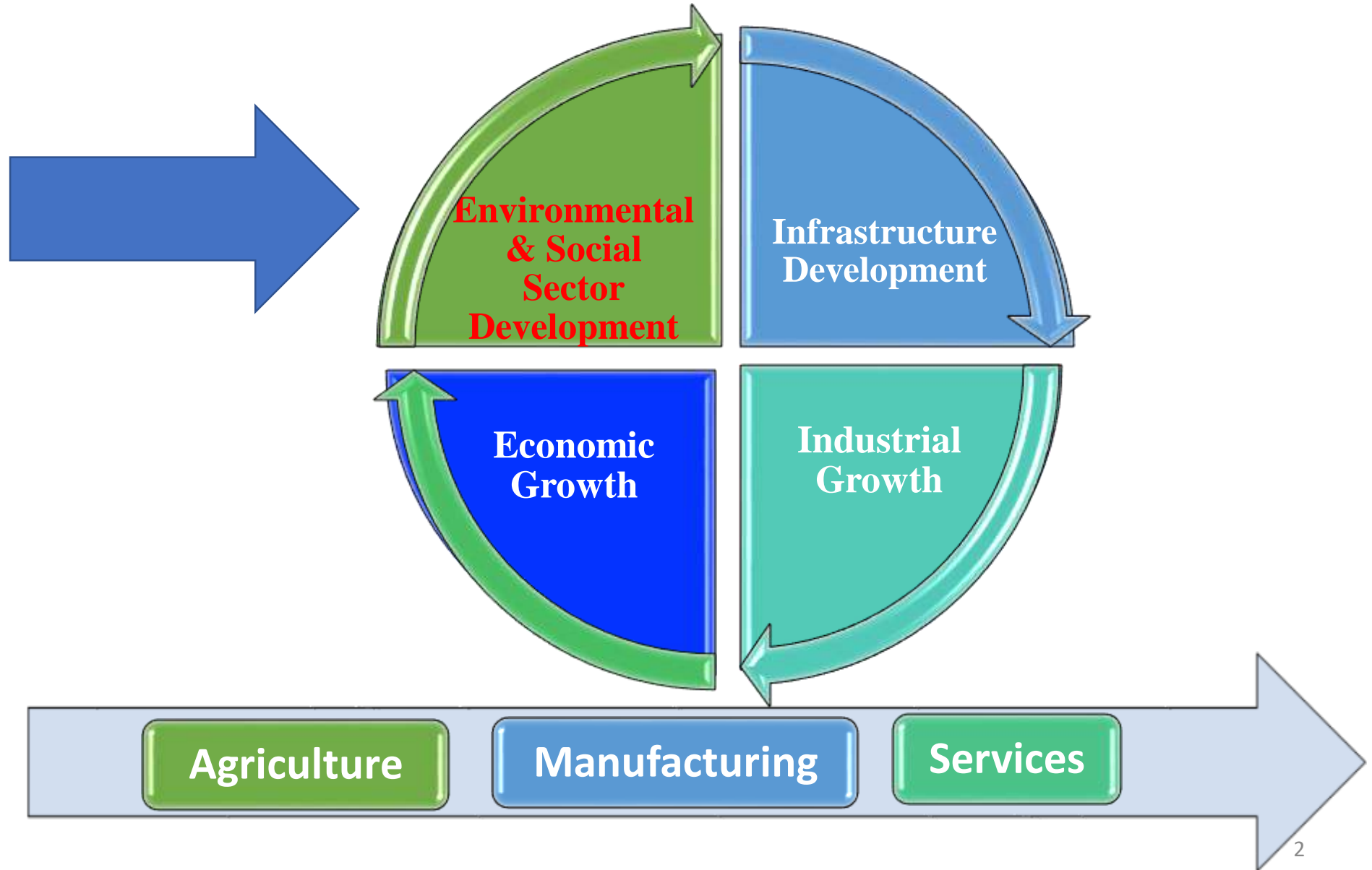
Dr Emandi Sankara Rao
Convenor ESG CII-Vizag



INDIA : THE LEADING & EMERGING \$4 Tn ECONOMY




Need of the Hour

*For
Sustainability
&
Better Future*

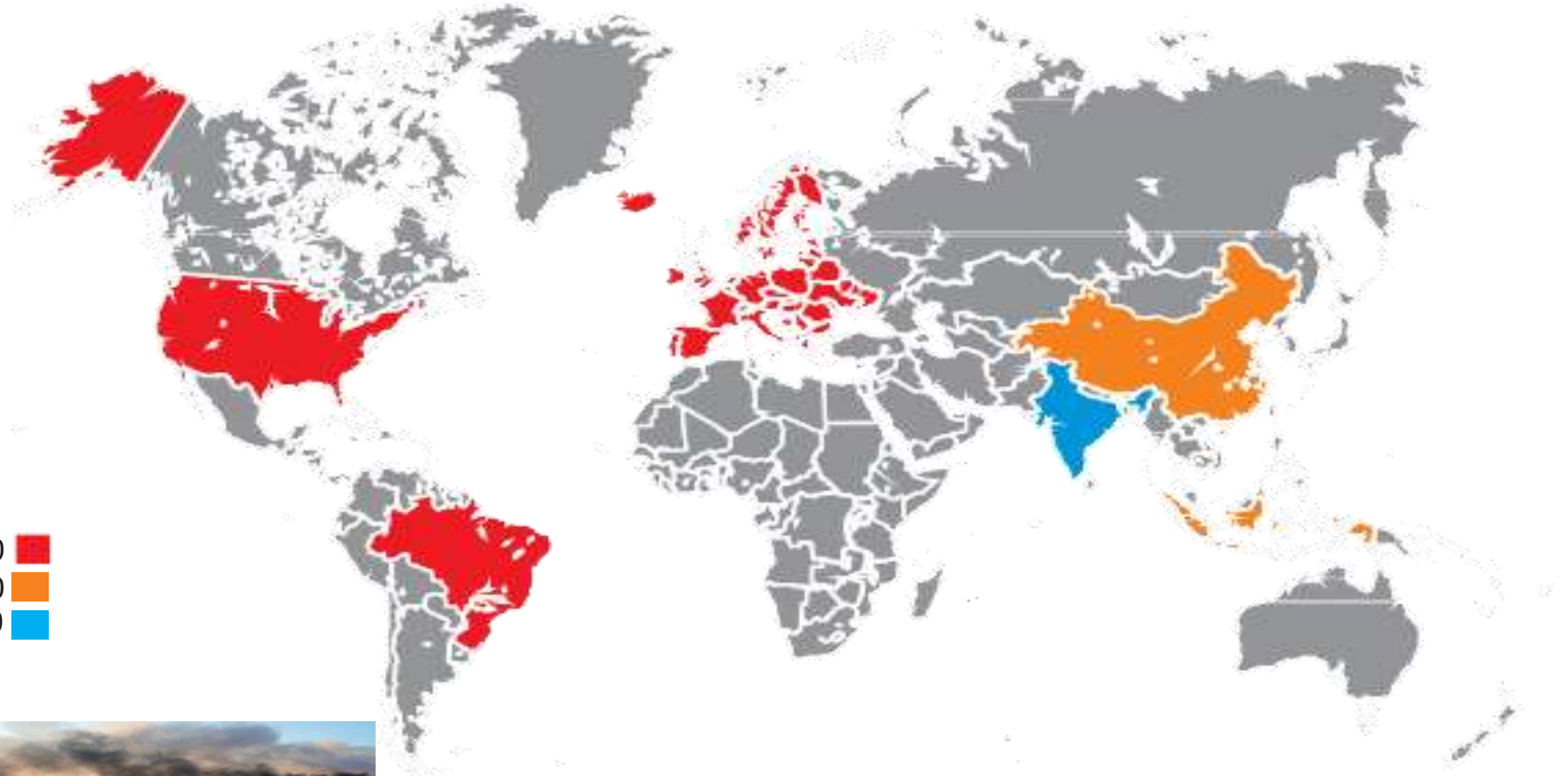


Sustainable Climate Change and Transition

- India is the third-largest producer of carbon emissions after China and the US. India emits close to 2.9 Giga tonnes of CO₂ annually (despite low per-capita of 1.8 Tons CO₂ emissions), which is about 7 per cent of the world's total CO₂ emissions in 2019.
- In 2021 at COP 26, India announced its ambition to become a **Net-Zero emitter by 2070**. It has also added a new target of **creating an additional carbon sink for about 2.5-3 billion tonnes of CO₂ through additional forest and tree cover by 2030**.
- COP 27 the Four key themes were identified as mitigation, adaptation, finance and collaboration.
- COP 28 pledge of limiting global warming to well below 2°C, preferably 1.5°C and move forward **Transitioning Away from Fossil Fuels** with the motto of uniting the world to act and deliver for a sustainable future.
- COP 29 in 2024 is going to concentrate on the **Climate Finance to Channelize the funds from the Developed Nations to for the Green Transition in Developing Nations**

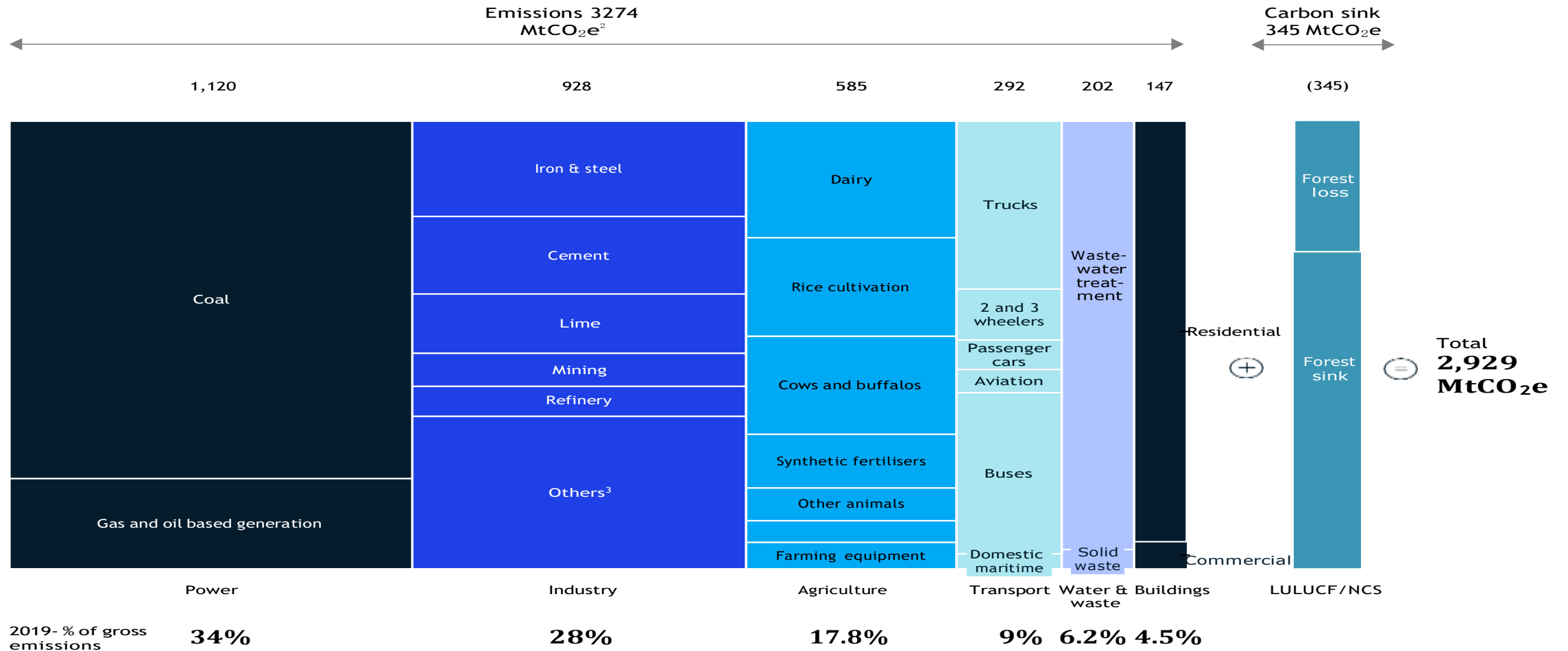
2050 
2060 
2070 

WORLD NET ZERO TARGETS



India's current carbon emission mix.

Baseline emissions, MtCO₂e¹, 2019



1. Converting GHGs into CO₂e assuming GWP-100 and AR5 methodology with India's BUR-3 reported emissions for 2016 as baseline.
2. Gross and net emissions for 2019 based on Climate Action Tracker overall emissions for India.
3. Others include: other industry oil & coal use, ammonia, aluminium, F-gases and ethylene.

The Theme of ESG

A true ESG is the Corporate Commitment & Consistent strategy in its Business Models for the Sustainability and Better Future of the Society at Large

Environment (E)

- ❖ To address the impact on the Physical Environment
- ❖ To Estimate the GHG for minimization
- ❖ To improve Air Quality
- ❖ To improve the Water Quality
- ❖ To improve the Soil Quality
- ❖ Waste Management
- ❖ Bio-Diversity Eco-System

Solution is Circular Economy of Re-Cycling

Social (S)

- Env. and Social Due Diligence (ESDD)
- Social Impact on all the Stake Holders
- Best Labour Practices
- Health and Safety
- Local Community Engagement

Solution is CSR & ISR

Governance(G)

- ✓ Policies & Governance Structure
- ✓ Standards : ISO, SDG and other for Estimations & Monitoring.
- ✓ Capital Commitment
- ✓ Best Practices & Ethics
- ✓ Compliance
- ✓ Reporting & Disclosures : Domestic SEBI/RBI and International
- ✓ Data Protection

Solution is Commitment

EFFECTIVE TECHNOLOGY USAGE NEEDED

ESG Benefits

- Corporate and Brand Image Enhancement in the Industrial and Financial Markets
- Use of Standards and Best Practices enhances the Corporate Governance & Sustainability
- *ESG impact trickles down to the upstream value chain involving thousands of smaller players, ancillary companies and third parties*
- Employer - Employee engagement and well-being among the social parameters
- *Financial Institutions, Green Funds and Special Funds are looking for the ESG compliant corporates. Minimizes the Cost of Funds*
- *Positive Outlook and Improvement in the Credit Rating & ESG Rating of the Corporate*



Conclusion

**ESG is going to be more significant
in this Decade and there is a need
for the Organizations to start
adopting in phases**

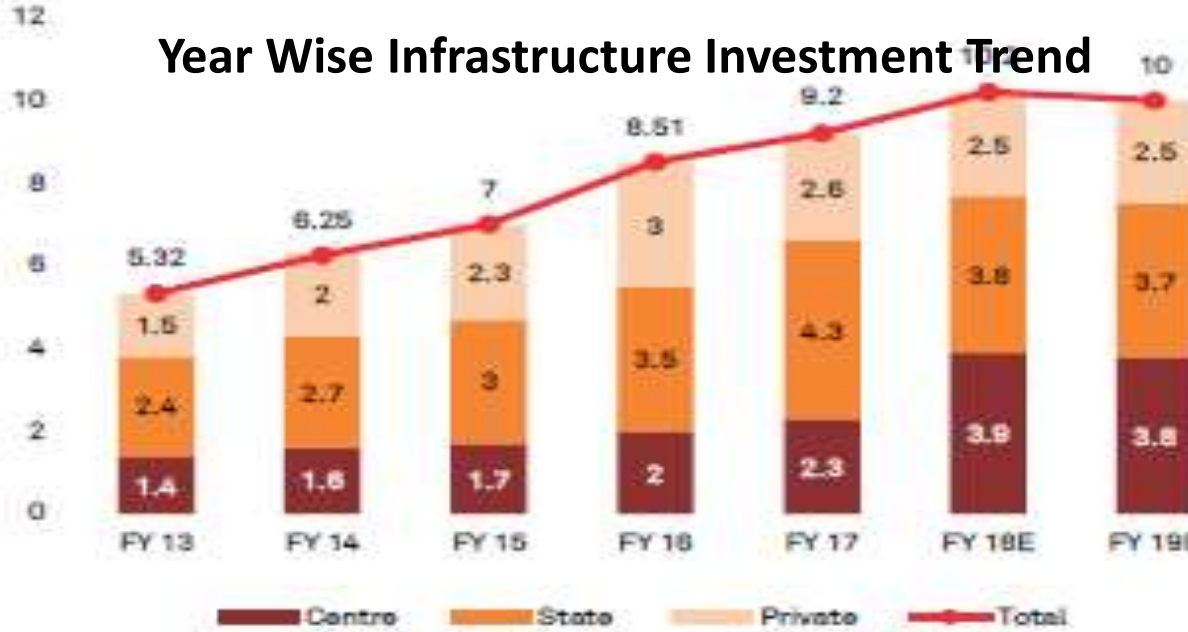


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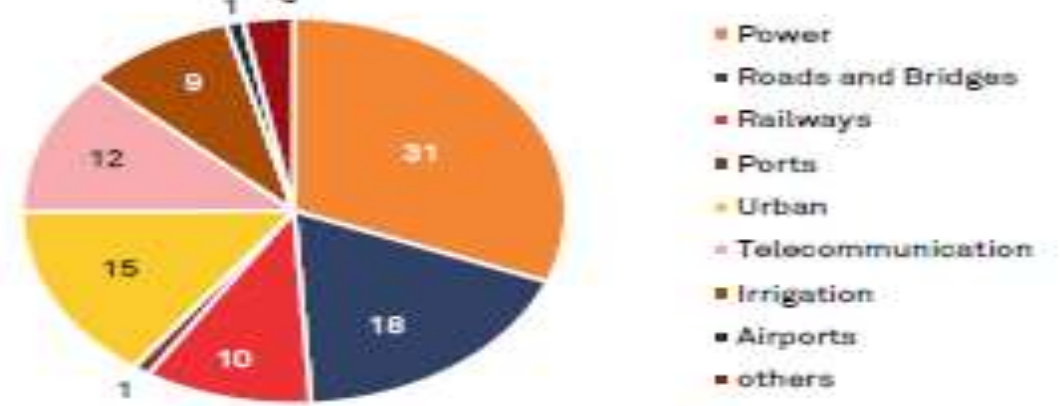
For Inclusive Sustainable Development of Brand Vizag and AP

INFRASTRUCTURE INVESTMENT PATTERN & SEGMENTS IN INDIA

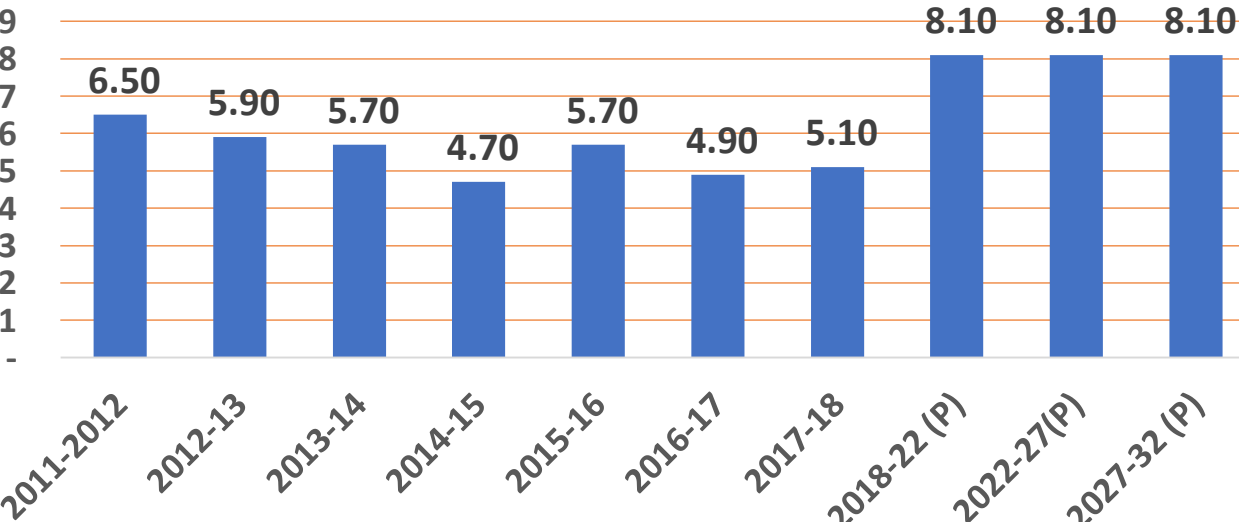
Year Wise Infrastructure Investment Trend



Sector wise share (%) in infrastructure investments during fiscals 2013-2019



Infra Spending as % to GDP

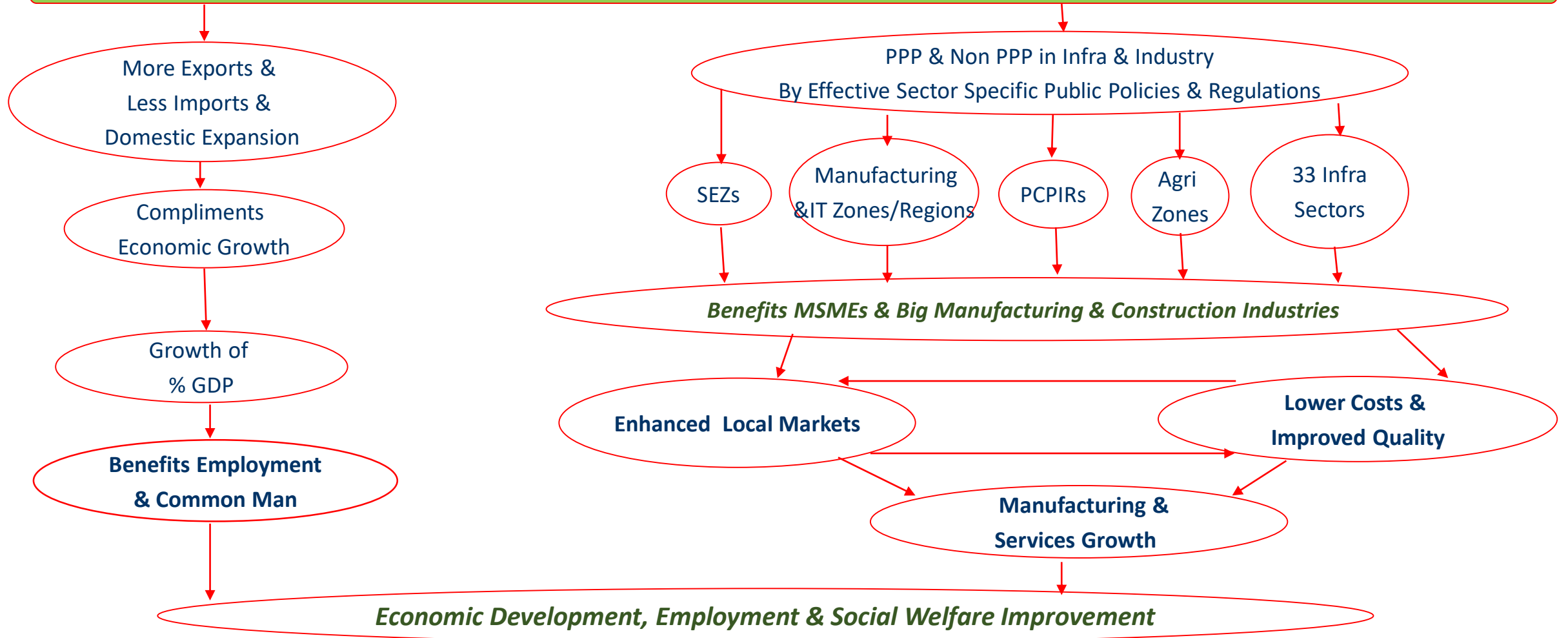


Source: Appraisal documents for five-year plans, CRIS estimates (Investments mentioned are at current prices)

- Power, roads and bridges, telecommunications, railways, irrigation and urban accounted for ~85% of the infrastructure investment in India during FY 2013-2019.
- The Centre and states are the major funding sources for sectors such as power and roads and bridges, with moderate participation from the private sector.

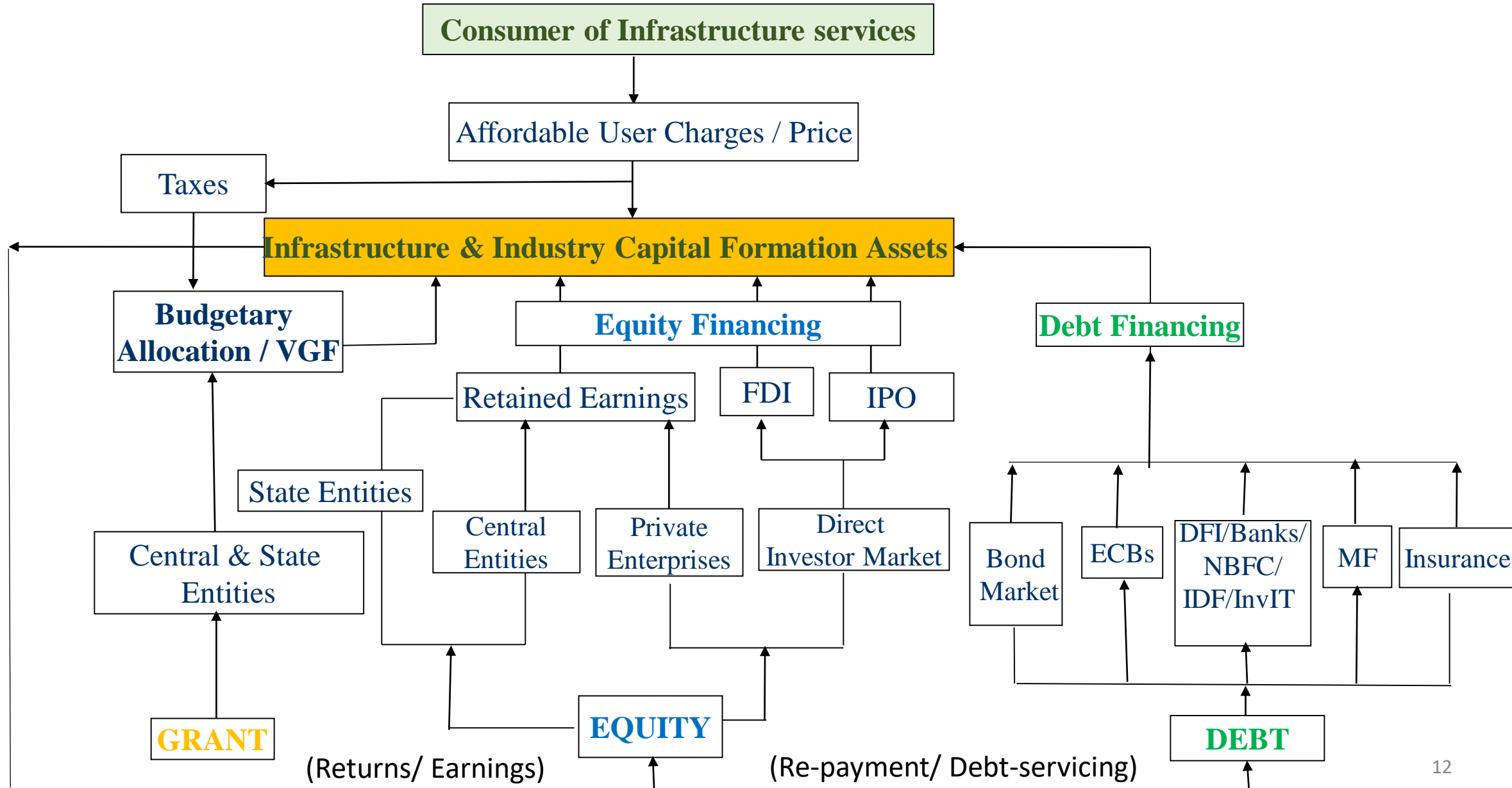
INDIAN INFRASTRUCTURE & INDUSTRY ECOSYSTEM

INTEGRATED INDIAN INFRA & INDUSTRY ECO-SYSTEM FOR DEVELOPMENT & GROWTH



IMPACT : Capital Formation, Employment Creation, Cheaper & Quality Products & Services , Boosting Consumption, Lowers CAD

INFRASTRUCTURE & INDUSTRY FINANCING NETWORK = CAPITAL FORMATION



Various Standards Likely to Follow as Per the Needs for ESG

- ✓ ISO - 9001
- ✓ ISO - 27000
- ✓ ISO - 31000
- ✓ ISO -14064 (1,2,3)
- ✓ ISO – 14000
- ✓ ISO – 50001 and
- ✓ Other relevant