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**IMC  
INDIA  
CALLING  
CONFERENCE**

Green Technology | Smart Infrastructure

A Platform to Network

**Chief Guest**  
**Shri P. Harish**  
Additional Secretary (ED & States)  
Ministry of External Affairs

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Hotel Taj Lands End,  
Mumbai, India

# Green Technology – Mobility and Sustainability

## Trends and Opportunities in India

India, home to 18% of the world's population, uses only 6% of the world's primary energy. This, however, is rapidly changing and the energy landscape in India is evolving like never before.

Energy, today, is considered crucial to achieve India's development ambitions, to support an expanding economy, to bring electricity to rural areas, to fuel the demand for greater mobility and to develop the infrastructure needed to meet the demands of what is soon expected to be the world's most populous country. India's energy consumption has almost doubled since 2000 and the potential for further rapid growth is enormous.

Given the huge opportunity for growth in the sector, an overall investment of close to \$750 Bn could potentially come in over the next decade. The paradigm shift in the Indian energy sector will increasingly influence and shape the global energy economy.

### Energy Storage and Efficient Power usage



- ↑ Battery Technology - Analysis by NITI Aayog and Rocky Mountain Institute (RMI) indicates that domestic battery manufacturing to supply the transition to EVs is an important market opportunity for the Indian economy
- ↑ Smart Grid & Smart Metering - India is considering a plan to install smart meters in every home and business as part of its ongoing effort to turn around the country's ailing power sector. The plan under consideration would require 300 million smart meters over three years.

### Renewable Energy



- ↑ Sector at the forefront of growth in capacity addition
- ↑ India targets to add renewable energy capacity to 175 GW by 2022 and 275 GW by 2027
- ↑ India to reduce the emissions intensity of its GDP by 33 – 35% by 2030 from the 2005 level



### Global Perspective on Smart Cities



- ↑ Challenges of Urbanization
- ↑ Sustainable growth of smart cities
- ↑ Resource Optimization
- ↑ Infrastructure Efficiency

### Megatrends



- ↑ Energy efficiency is envisaged as an affordable imperative for sustainability
- ↑ India plans to shift to 100% of the car sales to Electric Vehicles by 2030

On the governance aspect, the policy framework increasingly leans towards empowering the states more and decentralizing the decision making for funding etc. Urbanization coupled with dynamic and vibrant states competing with each other for resources, will result in an exponential economic growth.



# Smart Infrastructure

## Trends and Opportunities in India

The urban population is growing in India and because of this, opportunities are increasing as well. According to country data, the urbanization in India is mainly due to the expansion of cities and the migration of people. Investments are made in housing, road network, urban transport, water supply, power-related infrastructures, smart cities, and other forms of urban management. This is the bright future the Indian economy has in store for itself.

### Opportunities in India's urban infrastructure

In order to face the challenges of urbanization, infrastructures need to be improved. Unfortunately, rapid population growth and a lack of adequate investment is making urban infrastructure growth slow.



### Smart Transport Network Opportunities in India

Private mode of transport is dominant in India. There is a heavy reliance on private transport that has led to the congestion of roads and increasing commuting time and pollution. Road networks therefore need to increase because of the influx of these vehicles.



On a separate note, public mode of transport is gradually decreasing in terms of popularity. In an effort to improve the urban transport situation in India, new metro rail networks have been developed.

### Affordable Housing & Green Building

India is facing a house shortage in urban areas at the moment and more housing would be required in order to meet future demand. This demand comes from the economically weaker section due to lack of housing policies. Some parts in India have introduced public-private-partnership policies, which have led to the development of housing.



### Solid and Waste water management in India

The water supply in India faces several issues and the water and wastewater management in the country needs to be improved. The government though has made initiatives to improve water supplies establishing projects for selected areas. Sewage and sanitation is also facing a dilemma in India at the moment. Nevertheless, projects to further improve this is currently a work in progress.



### Power and power infrastructure requirements in India

Increasing urbanization has led to increasing demand in energy consumption. India greatly needs to increase their power-generating capacity and develop new ways of generating power.





## Why Should You Attend the India Calling Conference

India is witnessing tremendous growth potential in two major sectors of global interests and offer unprecedented opportunities for global corporations and businesses.

The one is in areas of Green Technologies (Sustainability and Mobility); and the other is Smart Infrastructure (Smart City / Smart Living). In the backdrop of huge potential for investment and collaboration in Green Technologies and Smart Infrastructure, INDIA CALLING CONFERENCE by IMC Chamber of Commerce and Industry provides a platform for Indian and global players in these two industries to come together and explore potential investment opportunities and collaborations.

The Conference will bring together over 300 delegates comprising Indian and overseas companies in the fields of smart infrastructure and green technology, policy makers, government officials, economists, banks and financial institutions, logistic providers, investors, academic institutions, industry associations and other experts to discuss and share insights into the development of markets in India, policy inputs and opportunities for companies to invest and collaborate in above two sectors.

## Discussion at the Conference

### Smart Infrastructure



Smart Cities in Digital Era



Smart Mobility



Securing Cities



Smart Parking



Intelligent Transport networks for urban transport



Best practices from across India



Solid and water waste management



Smart health and sanitation

### Green Technology



Renewable Energy



Electric Vehicles and Batteries



Green buildings and lighting



Green composting

## Glimpses of IMC India Calling Conference 2019



# IMC

Chamber of Commerce and Industry

Innovate • Motivate • Consolidate

Established in 1907 and having its headquarter in Mumbai, The Indian Merchants' Chamber (IMC) is an apex Chamber of commerce, trade and Industry in the western region with its membership base of over 3200 members and 220 trade associations affiliated to it. Together, it represents and advocates interests of over 400,000 business and industry establishments from diverse sectors of industry. It has over 35 industry-specific committees of experts through which the IMC provides policy inputs and recommendations at various levels of government authorities and organizes interactive dialogues, workshops, seminars, business conferences and other activities where eminent business and government leaders engage with its members on a wide range of issues to create conducive opinion and environment for sustainable economic development. On international trade area, the Chamber is in the forefront in promoting bilateral trade between Indian and countries around the world by providing networking platform to Indian and international business and industry community through interactive meetings, hosting international delegations as well as taking Indian business delegations to various countries around the world.

**Contact :**  
For further details & registration to participate

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