



# INDIA @ COP 21



## GHG Mitigation in Transport Sector Roadmap for India

4<sup>th</sup> December, 2015

India Pavilion, Le Bourget, Paris

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## About India @ COP 21

Despite facing enormous development challenges like poverty eradication, ensuring housing, electricity and food security for all, India has set before itself the target of reducing the emissions intensity of its GDP by 33 to 35 per cent by 2030 from 2005 levels. It aims to create an additional carbon sink of 2.5 to 3 billion tons of CO<sub>2</sub> equivalent through additional forest and tree cover by 2030.

Through discussions and dialogues, India aims to engage with the rest of the world to reach a balanced agreement on all components of mitigation, adaptation, technology, finance and capacity building consistent with the principles and provisions of the Convention to ensure climate justice.

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## Key Speakers

### Mr Suresh P. Prabhu

Minister for Railways,  
Government of India

### Mr Jean-Pierre Loubinoux

Director General,  
Union of Railways (UIC)

### Mr Hemant Kumar

Member Mechanical,  
Railway Board, Ministry of  
Railways, Government of India

### Dr R K Pachauri

Director General,  
The Energy and Resources  
Institute (TERI)

### Mr Shinichi Kitaoka\*

President, JICA

### Mr Guillaume Pepy\*

Chairman, SNCF

\*Invited

## About the event

Meeting the mobility needs of over 1.26 billion people across a country of over 3.3 million square kilometers the transport network in India is one of the largest in the world. Being a critical enabler of development by providing mobility and access, the transport sector requires to grow in a sustained manner for the country to be able to meet its developmental objectives. With substantial climate mitigation potential, this sector has also been identified as one of the key sectors to help achieve India's GHG emissions reduction targets. Adopting a multi-pronged strategy, decoupling the need for mobility from energy use and emissions, India aims to follow a low carbon path for its transport sector which would also be safe and equitable. The country has already embarked on a process to move towards such a trajectory through a large number of initiatives across different modes of transport.

While initiatives such as the *Dedicated Freight Corridors (DFCs)* and *Sagarmala* projects are aimed to increase the share and volume of freight traffic towards more energy efficient rail and water based transport modes, the *National Urban Transport Policy (NUTP)* and *Urban Renewal Missions* have increased the focus on improved urban planning and use of public transport and mass-transit in the form of bus and metro rapid transit system across the country. Through vehicular fuel efficiency standards, the country has also initiated efforts to reduce the energy intensities of the transport sector while continuously moving towards cleaner sources of energy and increased use of renewables.

To improve the air quality across urban centers given its large health implications, policies have led to improve fuel quality and shares of Alternate Fuels for road transport. The Indian Railways too have been planning to substitute its petroleum use with alternate and bio-fuels, and has been consistently pursuing a policy of railway electrification over the last couple of decades coupled with initiatives to move towards wind and solar renewable sources of energy. Such efforts would not only help India in reducing its emission intensities, but would also have a significant positive impact on reducing global carbon emissions.

With participation from key representatives from the Government as well as Public entities in Indian transport sector, international experts and senior representatives from agencies financing low carbon initiatives in India, this event would aim to highlight some of the long term low carbon transport strategies being adopted by India while outlining the technology and finance requirements for realizing this roadmap for GHG mitigation from the Indian transport sector.

## Programme Schedule

GHG Mitigation in Transport Sector – Roadmap for India  
4<sup>th</sup> December 2015, India Pavilion, Le Bourget, Paris, France

1000 –1030	<b>Registration</b>
1030 –1040	<b>Films Showcasing the Indian Transport sector</b> <ul style="list-style-type: none"> <li>Indian Railway - Journey to reduce Carbon Footprint</li> <li>Sagarmala Project - A port led development plan for India</li> </ul>
1040 –1045	<b>Welcome address and overview of the Indian transport sector</b> Mr Abhay Bakre, Executive Director (Environment), Ministry of Railways, Government of India
1045 –1140	<b>Session 1:</b> <b>Emerging scenario in medium and long distance Transportation in India – its impact on GHG emissions</b> <ul style="list-style-type: none"> <li>Mr Hemant Kumar, Member Mechanical, Railway Board, Ministry of Railways, Ex- officio Secretary, Government of India</li> <li>Ms Gargi Kaul, Joint Secretary &amp; Financial Advisor, Ministry of Civil Aviation, Government of India</li> <li>Mr Arun Sharma, CMD, Indian Register of Shipping</li> <li>Mr N.K.Sharma, Director, Ministry of Road Transport &amp; Highways, Government of India</li> <li>Mr Jean-Pierre Loubihoux, Director General, UIC</li> <li>Mr Shri Prakash, Distinguished Fellow , TERI, India</li> </ul>
1140 –1200	<b>Session 2:</b> <b>Keynote address (TBC)</b> <ul style="list-style-type: none"> <li>Mr Suresh Prabhkar Prabhu, Minister of Railways, Government of India</li> </ul> <b>Interview with the Minister for Railways, Government of India</b> <ul style="list-style-type: none"> <li>By Dr R K Pachauri, Director General, TERI, India</li> </ul>
1200 –1205	<b>Film on key transport initiatives in India</b> <ul style="list-style-type: none"> <li>Dedicated Freight Corridor Project</li> </ul>
1205 –1255	<b>Session 3:</b> <b>Technology and finance requirements for a low carbon trajectory for the transport sector</b> <b>Presentations:</b> <ul style="list-style-type: none"> <li>Mr Sarbojit Pal, Fellow, TERI</li> <li>Mr S A Verma, AGM, Delhi Metro Rail Corporation</li> <li>Mr Shinichi Kitaoka, President, JICA* (TBC)</li> </ul> <b>Panel discussion: The way forward for Indian Transport Sector</b> <ul style="list-style-type: none"> <li>Mr Hemant Kumar, Member Mechanical, Railway Board, Ministry of Railways, Government of India</li> <li>Mr Anuj Dayal, Executive Director (CC), Delhi Metro Rail Corporation, India</li> <li>Dr Annapurna Vancheshwaran, Director, TERI</li> <li>Mr Guillaume Pepy, Chairman, SNCF* (TBC)</li> <li>Mr Ashok Bhargava, Director, Energy Division, East Asia Department, Asian Development Bank</li> </ul>
1255 –1300	<b>Concluding Remarks:</b> Mr. Hemant Kumar, Member Mechanical, Railway Board, Ministry of Railways, Government of India
1300 onwards	<ul style="list-style-type: none"> <li>Film on Urban transport - Delhi Metro success story</li> </ul>

For further details related to the event please contact:  
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## Why should you attend

This session aims to be an informative session for officials and representatives from Government as well as public entities eager to learn about the transport sector in India and some of the flagship initiatives being taken by the country to move on a low carbon transport trajectory.

- Indian Railways** – The lifeline to the nation and the largest passenger carrying railway system in the world, the Indian Railways has been taking a multi-pronged approach to address the climate impacts of transport in India. Extensive electrification, rapid energy and fuel efficiency improvements, switch to alternate fuels and large renewable energy generation targets make the Railways the critical agent of change for moving India towards a low carbon trajectory.
- Dedicated Freight Corridors of India** – Augmenting the railway capacities in India, the Dedicated Freight Corridors of India is expected to give a boost to the mode share towards railway traffic in India. These Corridors would not only increase speeds and efficiencies of freight trains, but would also increase capacities and speeds of passenger trains by decongesting the Railways network.
- Delhi Metro Rail Corporation (DMRC)** – India is home to more than 55 million plus cities. These cities also generate large volumes of transport demand for commute trips. DMRC, a leading MRTS project in Delhi with its successful model of development is revolutionizing the way mass public transport is provided across some of these large urban agglomerations.
- Sagarmala project** – With a coastline of over 7,500 km India has large potentials to move large volumes of its transport through coastal shipping. This recently launched port led growth and development strategy for India could substantially change the way India moves and significantly reduce the emission intensities of transport in India.

## Key highlights and takeaways

- Unique opportunity to interact with senior representatives of the Indian transport sector
- Insightful for policy makers to learn from the success of low carbon transport initiatives in India
- Opportunity for sector and industry experts to identify areas for technology transfer to India
- Overview of the investment potential in the transport sector for financial experts and institutions

## About The Organiser



### Ministry of Railways Government of India

The Ministry of Railways is the nodal ministry in India responsible for policy making and management of all forms of Railway systems in India. Through 17 different Zonal railways, the Ministry of Railways operates over 21,000 passenger and freight trains across the length and breadth of country, carrying over 23 million passenger and 3 million tons of freight every day.

The Ministry of Railways is also responsible for leading and coordinating the inter-ministerial low carbon transport dialogue between different transport ministries and organizations in India.



For more information, please contact:

## Indian Railways

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