

# Workshop on Indian Industry Coalition

Date: May 22, 2019 | Time: 10:30 AM to 5:00 PM

Venue: Jacaranda, India Habitat Centre, Lodhi Road, New Delhi, 110003

## Introduction

On 23<sup>rd</sup> September 2019, the United Nations Secretary General (UNSG) will host the 2019 Climate Action Summit. The Summit aims to showcase international transformational initiatives across a number of focus areas to demonstrate ambition for substantial emissions reduction. The Summit has established nine interdependent tracks, led by coalitions working with partners including governments and a wide range of stakeholders. One of these tracks or focus areas is industry, which is led by India and Sweden, supported by the World Economic Forum (WEF). The industry transition track will build on existing actions and seek to develop stronger proposals from key industries, such as iron & steel, oil & gas, cement, heavy-duty road transport, aluminium, plastics, (petro-) chemicals, fertilisers, e-mobility, aviation in the interest of low emission industrial development in the long term, in a sustainable and cost-effective manner.

In preparation for the Summit, the MoEF&CC and TERI have convened a meeting between senior industry representatives to support increased collaboration on Industry Transition, develop a domestic understanding on the role of policy measures to facilitate this transition and identify knowledge gaps on emerging mitigation options including the technological innovations.

Indian industry has made important progress on energy and emissions reduction in the past, primarily through improving the energy efficiency of key industrial processes. This has helped industry to maintain competitiveness and reduce emissions. However, if more stringent targets are to be met, more fundamental changes will be required to reduce emissions out to 2050 and beyond. To this end, the meeting is structured around three sessions, each devoted to discussing the key issues involved in low emission industrial development.

## Agenda Summary

Time	Session
10:30 AM - 11:00 AM	Registration and refreshments
11:00 AM - 11:20 AM	Introduction and welcome, Dr. Ajay Mathur, DG TERI
11:20 AM - 11:45 AM	Inaugural address, Mr. Ravi Shankar Prasad, Additional Secretary, MoEF&CC
11:45 AM - 12:00 PM	Tea / Coffee Break
12:00 PM - 01:00 PM	Session 1 – Near-term action
01:00 PM - 02:00 PM	Lunch
02:00 PM - 03:00 PM	Session 2 – Policies to drive industrial transition
03:00 PM - 04:00 PM	Session 3 – Longer-term roadmaps
04:00 PM - 04:15 PM	Tea / Coffee Break
04:15 PM - 05:00 PM	CEO Panel and closing remarks



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10:30 AM – 11:00 AM	Registration and refreshments
11:00 AM – 11:20 AM	Welcome remarks
	Dr. Ajay Mathur, Director General, TERI
11:20 AM – 11:45 AM	Inaugural address
	Mr. S. P. Singh Parihar, Chairman, CPCB
11:45 AM – 12:00 PM	Tea / Coffee Break
12:00 PM – 01:00 PM	Session 1 – Near-term action
	<p>This session will cover possible near term actions (prior to 2030) required to enable industrial transition, and pave the way for longer-term roadmaps. <b>Coalitions of industries</b>, both within India and across the globe, would facilitate such action. Given the near-term emphasis, this would more likely focus on improving energy and resource efficiency of existing processes, as opposed to developing and deploying new technologies.</p> <p>Whilst there have been significant improvements in energy efficiency across industries in India in recent years, there remain several cost-effective options to make further progress. Key energy efficiency measures include updating process units to 'Best Practice', accelerating the adoption of commercially available technologies, installing/manufacturing efficient and state-of-the-art equipment/ appliances or increasing the recycling of waste material.</p> <p>Near-term action will need to be sensitive to India's industrial competitiveness, ensuring that the most cost-effective measures are prioritised. Supporting these measures will be vital in helping Indian industry to achieve both emissions reduction, as well as continued economic growth.</p> <p><i>Introduction</i></p> <ul style="list-style-type: none"><li>- Mr. William Hall, Associate Fellow, TERI</li></ul> <p><i>Moderator:</i></p> <ul style="list-style-type: none"><li>- Mr. Ajay Shankar, Distinguished Fellow, TERI</li></ul> <p><i>Panellists</i></p> <ul style="list-style-type: none"><li>- Mr. S. Nand, Deputy Director General, Fertiliser Association of India</li><li>- Mr. Anirban Ghosh, Chief Sustainability Officer, Mahindra &amp; Mahindra Ltd.</li><li>- Mr. K. N. Rao, Director, Energy and Environment, ACC Limited</li><li>- Mr. Rajneesh Kumar, Chief Corporate Affairs Officer, Flipkart Group</li></ul>
01:00 PM – 02:00 PM	Lunch



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02:00 PM – 03:00 PM	<b>Session 2 – Policies to drive industrial transition</b>
	<p>This session will cover the policy measures required to help drive industrial transition. Panellists will discuss how international <b>coalitions of countries</b> can learn from one another, with reference to examples of effective policies which have reduced emissions from industry, for example the PAT and FAME schemes in India.</p> <p>Panellists will also discuss the role of multilateral action between countries and what steps India can take to help promote a positive message for industrial transition within the international community.</p> <p><i>Introduction</i></p> <ul style="list-style-type: none"> <li>- Mr. Sachin Kumar, Senior Fellow, TERI</li> </ul> <p><i>Moderator:</i></p> <ul style="list-style-type: none"> <li>- Mr. R. R. Rashmi, Distinguished Fellow, TERI</li> </ul> <p><i>Panellists</i></p> <ul style="list-style-type: none"> <li>- Dr. Ashok Kumar, Director, BEE</li> <li>- Dr. Amit Love, Joint Director, MoEF&amp;CC</li> <li>- Ms. Ruchika Chaudhry Govil, Joint Secretary, Ministry of Steel</li> <li>- Mr. Pravin L. Agrawal, Joint Secretary, DHI</li> </ul>
03:00 PM – 04:00 PM	<b>Session 3 – Longer-term roadmaps</b>
	<p>This session will cover the ways in which <b>countries and industries can form coalitions</b> to promote technological innovations and solutions in harder-to-abate sectors. Given the deep emission reductions required to achieve the targets laid out in the Paris Agreement, it is likely that innovative technologies will be required to ensure hard-to-abate sectors can reduce their emissions without incurring significant costs.</p> <p>Panellists will discuss the conditions that would be required domestically to achieve accelerated rates of technological innovation, as well as those conditions that would be required internationally. This could include establishing new R&amp;D programmes, developing working groups around key technologies, facilitating effective knowledge-sharing or improving access to finance. The technological gaps and needs may also be highlighted.</p> <p><i>Introduction</i></p> <ul style="list-style-type: none"> <li>- Mr. Karan Mangotra, Fellow &amp; Associate Director, TERI</li> </ul> <p><i>Moderator:</i></p> <ul style="list-style-type: none"> <li>- Ambassador Ajai Malhotra, Dist. Fellow &amp; Sr. Advisor (Climate Change), TERI</li> </ul> <p><i>Panellists</i></p> <ul style="list-style-type: none"> <li>- Mr. Chanakya Choudhary, Vice President Corporate Services, Tata Steel Ltd.</li> <li>- Capt. Gurcharan Arora, Vice President Flight Operations, Spice Jet</li> <li>- Dr. Sangita M Kasture, Scientist-E, Ministry of Science and Technology, Government of India</li> <li>- Ms. Vartika Shukla, Executive Director, Engineers India Limited (EIL)</li> <li>- Mr. Jitender Bhambure, Executive Vice President - R&amp;D and Technology, Blue Star Limited</li> </ul>

04:00 PM – 04:15 PM	Tea / Coffee Break
04:15 PM – 05:00 PM	CEO Panel and closing remarks
	<p>This panel of senior industry figures will reflect on the key messages from the day's discussion, highlighting challenges and opportunities. The panel will also discuss the appropriate next steps for Indian industry, in the lead up to the UNSG Summit, and beyond.</p> <p><i>Moderator:</i></p> <ul style="list-style-type: none"> <li>- Dr. Ajay Mathur, Director General, TERI</li> </ul> <p><i>Panellists</i></p> <ul style="list-style-type: none"> <li>- Mr. Abhay Bakre, Director General, BEE</li> <li>- Mr. Saurabh Kumar, MD, EESL</li> <li>- Mr. Nitin Prasad, Chairman, Shell India</li> <li>- Mr. Mahendra K. Singhi, Managing Director and CEO, Dalmia Cement (Bharat) Ltd.</li> </ul>