

## Workshop: Energy saving opportunities and pathways for low-carbon opportunities in Indian DRI sector

16 Aug 2021 (Monday)

11:00 AM – 12:30 PM

### Background

TERI's analysis over the past few years brings to fore the central role of the industry sector in India's decarbonisation strategy. Reducing emissions from the steel sector will be the key in achieving a low carbon manufacturing sector. Direct reduction of iron (DRI), popularly known as sponge iron route is an important constituent of Indian steel sector and accounted for more than 30% of the global DRI production in 2020. India's growing economy will require a fourfold increase in steel production by 2050 to meet the demands of sectors such as housing and infrastructure, automobile, engineering, etc. This demand cannot be met entirely through conventional Blast Furnace-Basic Oxygen Furnace (BF-BOF) route, given the high investment costs and limited availability of coking coal for this route. The DRI industry will, therefore, continue to play a critical role in augmenting India's future steel production. There are many opportunities to reduce the energy consumption in the sponge iron sector. TERI and SIMA have joined hands to document the energy saving opportunities and possible futuristic options for sustainable growth of the DRI sector. A Technology Compendium for Energy Efficient Technology options in the DRI sector has been prepared as a ready reckoner for the sponge iron industries.

### Objective of workshop

The objective of the workshop is to discuss various options that can help improve energy efficiency of existing DRI units and outline the pathways that can help in the future growth of the DRI sector.

11:00 – 11:30 hr	Inaugural Session
	<p><b>Welcome address:</b></p> <ul style="list-style-type: none"> <li>- Mr. Girish Sethi, Program Director, TERI</li> </ul> <p><b>Thematic address:</b></p> <ul style="list-style-type: none"> <li>- Mr. Deependra Kashiva, Executive Director, SIMA</li> </ul> <p><b>Special Address</b></p> <ul style="list-style-type: none"> <li>- Mr. Ashish Anupam, Managing Director, Tata Steel Long Products Ltd</li> <li>- Mr. Rahul Mittal, Chairman, SIMA</li> <li>- Dr. Vibha Dhawan, Director General, TERI</li> </ul> <p><b>Keynote address</b></p> <ul style="list-style-type: none"> <li>- Ms. Rasika Chaube, Additional Secretary, Ministry of Steel, GOI*</li> </ul> <p><b>Release of Technology Compendium – Energy Efficient Technology Options for Direct Reduction of Iron process</b></p>
11:30 – 12:25 hr	Technical session
	<p><b>Panel discussion: Pathways for low-carbon opportunities in Indian DRI sector;</b></p> <p><b>Moderated by:</b> Mr. Girish Sethi, Program Director, TERI</p> <p><b>Background presentation:</b> Energy efficiency improvement options and sustainable growth pathways for DRI sector</p> <p>Mr. N Vasudevan and Dr. Sachin Kumar, Senior Fellow, TERI</p> <p><b>Panellists:</b></p> <ul style="list-style-type: none"> <li>- Dr.-Ing. Markus Dorndorf, Vice President Iron- &amp; Steelmaking Germany, Tenova</li> <li>- Mr. Sunil Khandare, Director, BEE*</li> <li>- Mr. Vivek Garg, Vice President, Jindal Steel and Power Ltd</li> <li>- Mr. Popuri Ankineedu, Chairman cum Managing Director, Popuri Engineering Technologies Pvt Ltd</li> </ul>
12:25 – 12:30 hr	Vote of Thanks
	<ul style="list-style-type: none"> <li>- Mr. Deependra Kashiva, Executive Director, SIMA</li> </ul>

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