

Session Name	A LOW CARBON TECHNOLOGY NEEDS OF INDIA
Speaker / Panelist	<p>Ms. Ajanta Sengupta, Additional GM-EMD, SAIL</p> <p>Mr. K Nandakumar, Chairman, Chemtrols Solar</p> <p>Ms. Tejashree Joshi, Dy General Manager & Head (Environment & Sustainability), Godrej & Boyce Mfg. Co. Ltd.</p> <p>Mr. Srinath Komarina, President, Responsible Banking Representative, YES BANK</p>
Key data shared	<p>As per INDPs India is planning to reduce GHG emission by 30% to 35% of GDP by 2030 with respect to 2005 as base year.</p> <p>India's GHG emissions in 2010 is 2136 million tons out of which energy sector accounts for 71% of emissions, agriculture sector emits 18% GHG's followed by Industrial Processes and Products Use (IPPU) sector that accounts for 8% with 3% from waste sector.</p> <p>GOI committed to installed 175GW of solar project by 2022</p> <hr/> <p>At present India and China contributes 36% of global population with ¼ energy demand and contribute 1/3 of global GHG emission. In 2030 India and China will need 50% of global energy produce and will contribute to 50% GHG emission.</p> <p>As per 2012 studies 110 billions of CO2/ annum is produced in the world and major contributors are aviation and energy sector.</p>
Topic covered	<p>Climate change</p> <p>Technology needs requirements to achieve INDCs commitments</p> <p>GHG emissions</p> <p>Transport and energy sectors and GHG emissions</p> <p>Electric vehicles and technology needs for low cost batteries, and charging stations</p> <p>Life cycle assessment for products</p> <p>Planning project based on circular economy, low carbon emission, low impacts on environment.</p>
Issues highlighted including Q&A	<p>Climate change is a global issues and time has come to take an action and business can plan important role in this.</p> <p>Identification of low carbon technologies available worldwide and ways to transfer same to India and support in its implementation.</p> <p>Disposal and recycling of solar panels after their use.</p>
Solution suggested	<p>Photovoltaic solar needs to propagated to minimizes use of Coal based power generation</p> <p>Smart grid application for transmission of powers</p>

	<p>100 smart cities are under planning with transport system and smart grid for low GHG emission</p> <p>Electric vehicles with high power storage capacity with small size.</p> <p>Hydrogen fuel cell</p> <p>Battery development for storage of energy</p>
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Time and date 17 May 2018

Notes by: Pravir Deshmukh