

# COMMITMENT FOR A LOW CARBON – COMFORT AND COOLING FUTURE

## Background

Rapid urbanization, improved lifestyles, and population growth in South Asia have heightened the demand for heating and cooling, significantly impacting energy consumption and carbon emissions. For instance, in India, air conditioner sales are growing by 10-15% annually, and energy demand from room air conditioners is projected to increase 20-fold from 2016 to 2050.

Current cooling methods often exacerbate climate challenges rather than mitigate them. Less-efficient air conditioners, though cheaper initially, are energy-intensive and cost twice as much over their lifetime. They also contribute to the heat island effect, strain the power grid, and use refrigerants with high global warming potential (GWP) contributing to depletion of the ozone layer.

To address these climate challenges, there is an urgent need to shift towards climate-friendly and energy-efficient cooling solutions. This transition must address three key issues: high energy costs, environmental damage, and limited access to effective cooling options. The Low Carbon Comfort and Cooling Collaborative (LC4) is an initiative designed to support and scale sustainable cooling solutions in the region.

This session will highlight private sector experiences with low carbon cooling solutions and officially launch the Low Carbon Comfort and Cooling Collective (LC4). Key partners from the region will also make commitments to reducing the carbon intensity of cooling energy.

**DATE: OCTOBER 22, 2024**  
**TIME: 15:45 - 17:15**

## Session Objectives

- To share insights from implementation of low carbon comfort and cooling solutions.
- To secure formal commitments for the Low Carbon Comfort and Cooling Collective (LC4)

## Agenda

15:45 - 15:55	<b>Welcome Address</b> by <b>Aaron Schubert</b> , Director, Indo Pacific Office, USAID/India
15:55 - 16:05	<b>Context Setting: Low Carbon Comfort and Cooling Collective (LC4) Initiative</b> by <b>Apurva Chaturvedi</b> , Senior Regional Clean Energy Specialist, Indo Pacific Office, USAID/India
16:05 - 16:10	<b>Opening Remarks</b> by <b>Ajay Jain</b> , Special Chief Secretary, Government of Andhra Pradesh, India
16:10 - 16:30	<b>Showcasing Low Carbon Cooling Solutions implemented in South Asia</b> <ul style="list-style-type: none"> <li>Highlighting the interventions and experiences of scaling up low carbon cooling and heating technologies by industry and end-users.</li> </ul> <b>Presenters:</b> <ul style="list-style-type: none"> <li><b>Mangesh Lokhande</b>, Regional Manager, Infosys</li> <li><b>Shruti Sagar</b>, Smart Joules</li> <li><b>Rahul Aeron</b>, Vice President - Sales, Desiccant Rotors International Pvt. Ltd.</li> </ul>
16:30 - 17:10	<b>Committing to Collective Action for Low Carbon Comfort and Cooling</b> <ul style="list-style-type: none"> <li>Vision and Commitment for Reducing Cooling Emissions</li> <li>Highlighting Actions and Initiatives for Scaling up Low Carbon Cooling Solutions</li> </ul> <b>Moderators:</b> <ul style="list-style-type: none"> <li><b>Apurva Chaturvedi</b>, Senior Regional Clean Energy Specialist, Indo Pacific Office, USAID/India</li> <li><b>Tanmay Tathagat</b>, USAID's SAREP</li> </ul> <b>Partners:</b> <ul style="list-style-type: none"> <li><b>Dr. Jaideep Gupta</b>, Additional Member (Railway Electrification), Railway Board, Indian Railways</li> <li><b>Ravindra Kumar</b>, Director (Operations), National Thermal Power Corporation (NTPC) Ltd.</li> <li><b>Vishal Kapoor</b>, CEO, Energy Efficiency Services Limited (EESL)</li> <li><b>Aminath Sheeza</b>, Assistant Director, Ministry of Climate Change, Environment and Energy (MCCEE), Maldives</li> <li><b>Simmi Sareen</b>, Co-Founder, Sustana Cooling India Fund</li> <li><b>Harkesh Dabas</b>, Managing Director, William J Clinton Foundation</li> <li><b>Dr. Charu Jain</b>, Director, Advit Foundation</li> <li><b>Nanda Lakkaraju</b>, Managing Director, Carrier Technologies India Limited</li> <li><b>Srinivasu Moturi</b>, Head R&amp;D, Voltas; Principal Member, CEAMA</li> </ul>
17:10 - 17:15	<b>Vote of Thanks</b> By <b>Tripta Singh</b> , Senior Energy Advisor, Asia Bureau, USAID/Washington

