

Energy Matters

October - December 2023

A newsletter from Shakti Sustainable Energy Foundation delivering articles and writeups on relevant issues, its various engagements towards enabling climate change solutions and development positive outcomes in collaboration with policy makers, civil society, academia, and industry.

Shakti wishes you
a very Happy New Year!

News and updates from the last quarter of 2023.

Moving Forward in 2024

Lessons from COP 28 Regional Climate Foundations Presenting Inspirational Stories from Global South



COP 28 witnessed large participation of delegates from Global South, including India. This COP was unique and special for Regional Climate Foundations including Shakti because for the first time, five Regional Climate Foundations from Global South, namely Shakti from India, Institute for Climate and Society (iCS) from Brazil, Africa Climate Foundation from South Africa, ViriyaENB from Indonesia and Iniciativa Climática de México (ICM) got together to host a COP pavilion to narrate climate stories from Global South.



In this Regional Climate Foundation (RCF) pavilion, Shakti organised several events covering sectors that included Renewable Energy, Industry, Agriculture and Land Use, Electric Mobility, and the cross-cutting issues like Climate Finance and Sub-national Climate Action.

(<https://shaktifoundation.in/convening/join-with-us-events-at-cop-28/>).

Shubhashis Dey, Director, Climate Policy and Climate Finance, writes a personal account on Lessons from COP 28.

FOCUS

Shakti is part of several important initiatives that are of special interest in the current ecosystem. In this Newsletter, we focus on some interesting and impactful areas where Shakti is providing support, expertise, and knowledge.

Shakti signs MoU with Karnataka Renewable Energy Development Ltd.

Shakti signed an MoU with Karnataka Renewable Energy Development Ltd (KREDL) to extend knowledge support for development of long-term economy-wide sectoral roadmaps, including implementation of Karnataka Energy Conservation and Energy Efficiency Policy 2022-2027, and Green Hydrogen-related interventions focusing on both demand and supply side aspects including export.

[Read more](#)



eARTh: Our planet, Our art, Our ideas

Shakti Sustainable Energy Foundation is providing knowledge inputs and support to eARTh, an initiative by CSTEP to inspire climate action through art. CSTEP launched eARTh on October 14, 2023, at the Bangalore International Centre, bringing art to the heart of climate action. The event brought together scientists, artists, conservationists, and citizens to explore how art and science can meet to trigger a positive change for the planet.

[Read more](#)



Release of Reports by the Department of Forest, Environment and Climate Change, Government of Bihar



In a collaborative effort spearheaded by the Bihar State Pollution Control Board (BSPCB), alongside Development Alternatives (DA) and Shakti Sustainable Energy Foundation, the Bihar Minister of Environment, Forest, and Climate Change (DoEFCC) released the following two pivotal reports:

- Low Carbon Pathway for Sugar Mills in Bihar
- Low Carbon Pathway for Re-Rolling Mills in Bihar

[Read more](#)

Course on Preparing Form-Based Codes on the NUL Portal Launched

A course on preparing Form-Based Codes on the NUL Portal of National Institute of Urban Affairs (NIUA) was launched at the National Urban Conclave. Shakti Sustainable Energy Foundation partnered with Creative Footprints to be the head and hand in preparing the documents, augmenting the mission of NIUA.

[Read more](#)

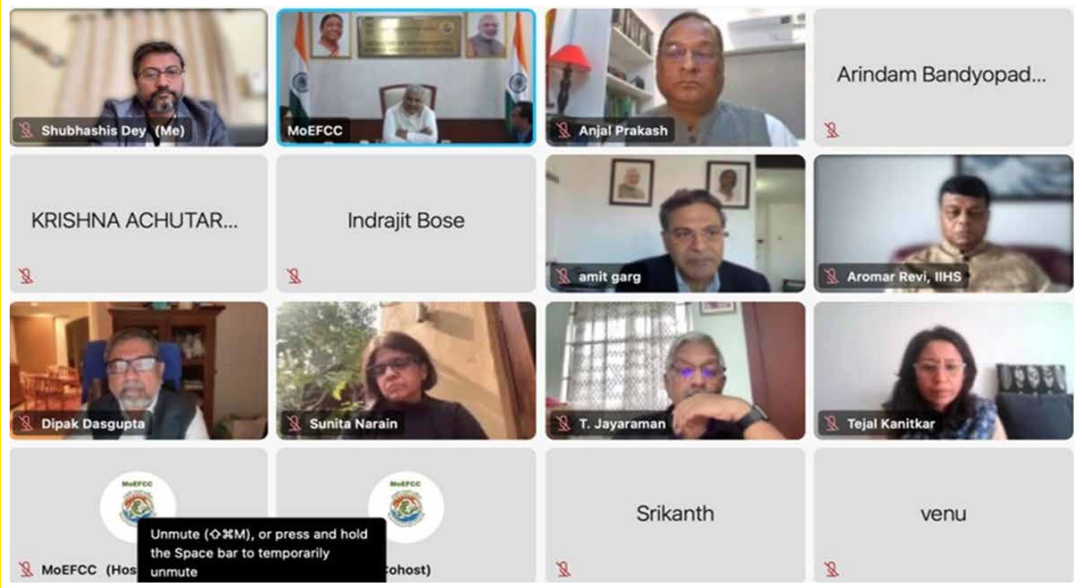
 [Video](#)



Expert Interaction with MoEFCC Leading up to COP 28

An expert interaction was held under the Chairmanship of Hon'ble Minister of Environment, Forest and Climate Change by Ministry of Environment, Forests & Climate Change, (MoEFCC), Government of India , on November 22, 2023, just before COP 28. Shubhashis Dey, Director, Climate Policy and Climate Finance, Shakti, participated in this interaction where he spoke about how at COP 28 the focus must be on bringing consensus on issues which contribute to global and national gain without heavily compromising on our national development needs.

[Read more](#)



CONVENINGS

Shakti believes in bringing together stakeholders from different arenas to enable them to work together, analyse problems, explore solutions, encourage innovative thinking and engage with them to help catalyse effectiveness towards a more sustainable future. In this Newsletter, we showcase some key Convenings organised by Shakti that resulted in impactful and positive discussions.

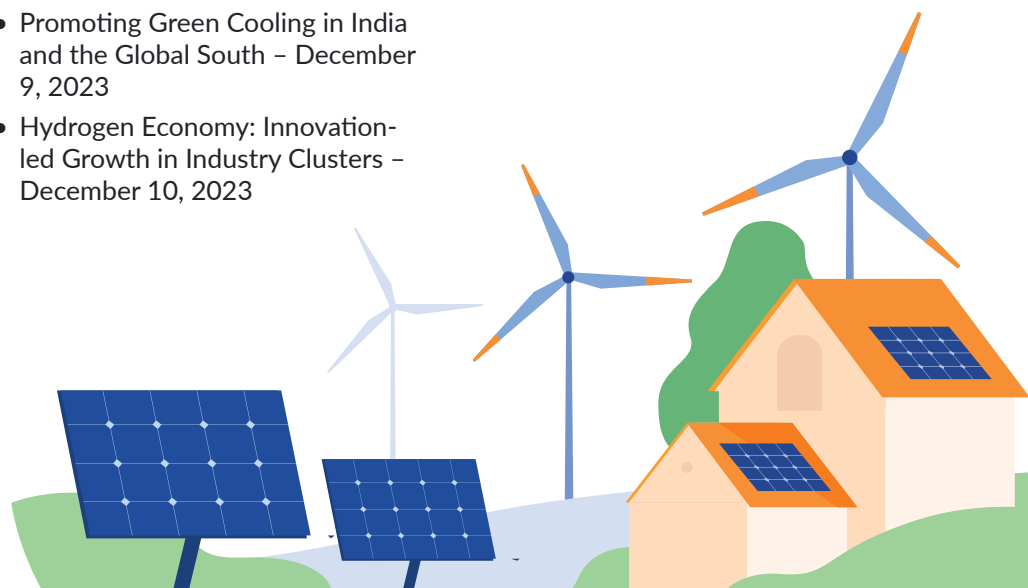
Shakti Convenings at COP 28

All Regional Climate Foundations (RCF) came together at COP 28 with success stories of different sectors from their respective geographies that include the Global South as well as the Global North. From India, Shakti brought stories from the sectors of Renewable Energy, Industrial Decarbonisation, Agriculture and Land Use, Electric Mobility, and the cross-cutting issue of Climate Finance. It organised several convenings at the RCF pavilion.

- Energy Transition Planning at the Sub-national Level – December 2, 2023
- Operationalising Carbon Market for Achieving Energy Transition Goals – December 2, 2023
- Trade in a Climate-Constrained World: Adding Value from US Manufacturing to Indian Entrepreneurship – December 3, 2023
- Women empowerment through Distributed Renewable Energy (DRE) solutions – December 3, 2023



- Unlocking Financing Opportunities for Climate-Resilient, Sustainable Agriculture in India and the Global South – December 3, 2023
- Raising Ambition on Climate Change – December 6, 2023
- e-FAST: Paving the Way for Zero-Emission Freight – December 8, 2023
- Promoting Green Cooling in India and the Global South – December 9, 2023
- Hydrogen Economy: Innovation-led Growth in Industry Clusters – December 10, 2023



Shakti team members were also invited to participate in other events at COP 28 to share their expertise.



Leading Electric Bus Transition: Global Experiences and Learnings



Towards Sustainable Growth through Green Transformation



Net Zeroing: Incentives and Carbon Markets for a Sustainable Future



Multilevel Action, Urbanisation & Built Environment, Transport



CENTRESTAGE

As a thought leader and respected knowledge partner, Shakti team members are invited to participate and share their thoughts at various important platforms, events, and discussions. This is a recognition of their expertise and knowledge in a vast variety of topics. In this newsletter, we showcase some of the prime events where Shakti team participated.

Capacity Building Workshop by GMDA in Collaboration with APCTT



The Gurugram Metropolitan Development Authority (GMDA), in collaboration with Asian and Pacific Centre for Transfer of Technology (APCTT), conducted a capacity-building workshop for the city officials of Gurugram, Haryana, with the objective of addressing air pollution in the city. The highlight of the event was the launch of the 'City Action Plan For Net Zero Gurugram' report, which provides technical insights for reducing emissions and enhancing climate resilience while promoting the city's economic development and sustainability. Shakti team members, Vivek Chandran, Director, Climate Insights; Prasanth Narayan, Programme Manager, Cities; and Priti Shukla, Programme Manager, Electric Mobility, played a pivotal role in developing this report.

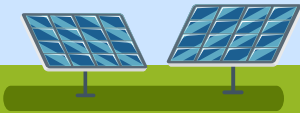
[Read more](#)

Solar World Congress 2023



'Solar World Congress 2023: Moving the World Toward 100% Renewable Energy', held in New Delhi, from October 30 to November 4, 2023, was jointly organised by ISA, Ministry of New and Renewable Energy (MNRE), ADB, and International Solar Energy Society. Dr Ashvini Kumar, Technical Advisor at Shakti, was a member of the International Organising Committee and co-chair of the Scientific Committee for the Congress. Specifically, he spoke during the opening of the Congress and Concluding sessions to present a wish list of the issues for getting feedback from the Congress and presenting the inferences during the concluding session. He also moderated a special session featuring keynote speeches on innovative solar thermal technologies.

[Read more](#)



Asia-Pacific Climate Week 2023



Asia Pacific Climate Week 2023 was co-organised by the Economic and Social Commission for Asia and the Pacific (ESCAP), the United Nations Environment Programme (UNEP), the UNFCCC-IGES Regional Collaboration Centre Asia and the Pacific, GIZ, World Resources Institute (WRI) India, and the Nationally Determined Contributions Transport Initiative for Asia (NDC-TIA) on November 16, 2023, in Johor Bahru, Malaysia. Shakti Sustainable Energy Foundation participated in a side event on ‘Implementation Pathways for Low Carbon Transport: Policy Frameworks and Financing Mechanisms.’ Narayankumar Sreekumar, Associate Director, Electric Mobility Initiative, Shakti, spoke about the need to establish a resilient payment security mechanism and uniting both public and private investments.

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Technology Availability for Decarbonisation and their ROI



‘Green Building Congress’ organised by Confederation of Indian Industry (CII) and Indian Green Building Council (IGBC) at the Chennai Trade Centre on the theme ‘Advancing Net Zero Buildings through Decarbonisation’, brought together architects, builders, developers, engineers, manufacturers, and policymakers from across India and around the world to share knowledge, exchange ideas, exhibit products, and engage in conversations about the most recent trends and innovations in green and Net Zero Buildings. Shakti Sustainable Energy Foundation was invited to the event. Dr Sachin Kumar, Director, Industry, Buildings & Cooling Programme, Shakti, spoke about the need to address Embodied Carbon aspects.

[Read more](#)

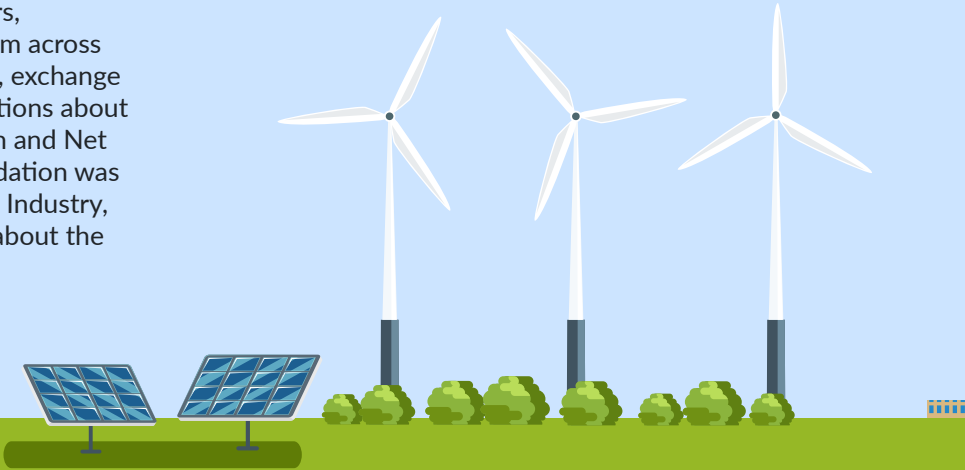
Better Air Quality Conference 2023 at Manila

The Climate Imperative: Integrating Short-lived Climate Pollutants (SLCPs) in Public Policy



The Better Air Quality Conference brought together the experience and expertise of actors across subnational governments, civil society organisations and others that are working on integrating Short-Lived Climate Pollutants (SLCPs) in policy making across key economic sectors. Vivek Chandran, Director, Climate Insights, Shakti Sustainable Energy Foundation, participated in the conference and spoke about how integrating SLCPs at the local level can help India meet its national goals on Swachh Bharat and how can climate finance play a role in enabling this at the local level.

[Read more](#)



Electrifying Meghalaya: Stakeholder Consultation on Meghalaya EV Policy and Financing Opportunities



On October 18, 2023, the Alliance for an Energy Efficient Economy (AEEE) in collaboration with the Transport Department of the Government of Meghalaya organised a workshop titled ‘Electrifying Meghalaya: Stakeholder Consultation on Meghalaya EV Policy and Financing Opportunities’ to discuss the Meghalaya EV Policy 2021 and gather inputs on the proposed amendments. Balaji R, Senior Programme Manager, Electric Mobility Initiative, Shakti, spoke about how to address the financing challenges in the e-Mobility and entrepreneurship landscape in the state of Meghalaya.

[Read more](#)

Decarbonisation in the Power and Buildings Sector



‘India Net Zero Forum 2023’ organised by The Economic Times, was an energy event in New Delhi that brought together experts, policymakers, industry leaders, researchers, and advocates to explore innovative solutions and strategies for building a more sustainable future, and drive the transition towards net-zero. The goal of the conference was to kickstart a dialogue that motivates attendees to take proactive steps towards creating a greener, and more socially equitable world. Dr Sachin Kumar, Director, Industry, Buildings & Cooling Programme, Shakti, participated as a panellist in a session on ‘Decarbonisation in the Power and Buildings Sector’.

[Read more](#)

Accessing MDBs and Global Finance for Development and Green Growth



NITI Aayog, in partnership with the Indian Council of Research on International Economic Relations (ICRIER), organised a workshop to facilitate discussions and actions to strengthen the Multilateral Development Banks (MDBs) to leverage greater official and private capital for inclusive and sustainable development, on November 9, 2023, in New Delhi. The workshop provided a unique opportunity for industry professionals, academics, experts, and civil society representatives to collaborate in designing a roadmap to strengthen Multilateral Development Banks (MDBs) for inclusive and sustainable development. Participating at the workshop, Nidhi Madan, Associate Director, Climate Policy, Shakti spoke about hybrid model, integrating philanthropic and private resources.

[Read more](#)



Sustainable Global Value Chain- Role and Impact in Cold Chain



National Centre for Cold-Chain Development (NCCD) and the Department of Agriculture & Farmers Welfare organised a Panel Discussion on 'Sustainable Global Value Chain-Role and Impact in Cold Chain' December 8, 2023, on the Theme, 'Building Resilient Cold Chain'.

Bansi Shukla, Senior Programme Manager, Industry, Buildings & Cooling, Shakti Sustainable Energy Foundation shared that Shakti is set to support the development of a web-based tool and mobile application to monitor the energy consumption patterns of cold chain assets in selected regions.

[Read more](#)

Regional Workshop on the Development of Decarbonisation Strategies in Indian States



A 'Regional Workshop on the Development of Decarbonisation Strategies in Indian States' was collaboratively organised by the Gujarat Energy Development Agency, Gujarat Ecology Commission, and Vasudha Foundation on September 29, 2023, in Ahmedabad. The workshop served as a platform for a wide array of stakeholders and sector experts operating at state and regional levels to engage in discussions regarding potential low-carbon pathways in Indian states. During the workshop, Shubhashis Dey, Director of Shakti Sustainable Energy Foundation, delivered the inaugural address where he emphasised the vital need for integrating economy-wide transition and climate action into the decision-making processes of both government and businesses at every level and the importance of employing participatory approaches to involve communities and women in the design of green economic transition plans.

Role of Data and Information in Developing Decarbonisation Pathways in India



This session explored the significance of data and its management in formulating low-carbon development strategies for the country. Nidhi Madan, Associate Director, Shakti, presented on translating national goals to sub-national levels to ensure green economic development in states.

[Read more](#)



AVPN South Asia December Summit 2023

AVPN Climate Action Platform in collaboration with Dasra, India Climate Collaborative, and Shakti Sustainable Energy Foundation, conducted a roundtable session to brainstorm opportunities to scale climate philanthropy in India on the theme ‘Scaling Climate Philanthropy in India’ on December 12-13, 2023, at Mumbai, India. Manu Maudgal, Head–Corporate & Philanthropic Engagement, moderated the discussion on the pivotal role of philanthropy in expediting climate initiatives cannot be overstated along with the urgent need to enhance philanthropic involvement in the country.

[Read more](#)



Investments for a Sustainable Tamil Nadu:
Reforms and Strategies for the Power
Sector



Electrifying the Medium and
Heavy-Duty Vehicle Industry



World Hydrogen Summit Green Hydrogen:
Cleaner and Zero Emission Fuel for a
Sustainable Green Economy



Policy Interventions for Clean Energy
Transition in Transportation



Embracing Climate-Smart Agriculture for a Sustainable Future



Emissions Accounting and ZET Adoption for Freight Decarbonisation



National Workshop on Clean Air Zone



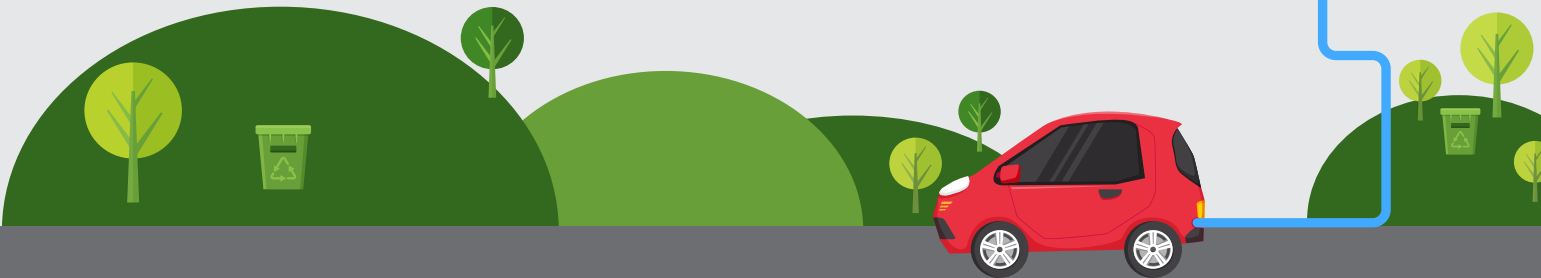
Development of Decarbonisation Strategies in Tamil Nadu



Sustainable Cooling and Consumer Behaviour: Strategies for Refrigeration and Air Conditioning



Launching of LEADS 2023 Report Green and Sustainable Logistics



INSIGHTS

Carbon Market in India: Creating a More Sustainable Future

In November 2023, the Bureau of Energy Efficiency (BEE), the apex governing body responsible for regulating the workings of the Indian carbon market laid out the ground rules for its operability with respect to the compliance sector. Kartikey Sharma, Programme Manager, Climate Finance, writes that as a developing economy spearheading the Global South’s efforts towards decarbonisation, it is imperative that India develops a robust domestic carbon market to facilitate the achievement of the nation’s Nationally Determined Contribution (NDC) targets whilst providing necessary market support to new mitigation opportunities.

[Read more](#)

“As part of its report titled ‘Detailed Procedure for Compliance Mechanism under the Indian Carbon Market’, the bureau lays down the regulatory compliances.”



Offshore Wind Study Tour

Siddharth Arora, Associate Director, Shakti, recently embarked on an enlightening journey across three nations and six cities for an Offshore Wind Study Tour from October 9 -13, 2023.. His exploration of offshore wind initiatives in Belgium, The Netherlands, and Denmark was an educational expedition that delved deep into the intersection of ocean, climate, and energy infrastructure. We bring to you some glimpses of his global experiences as a photo-feature.

[Read more](#)



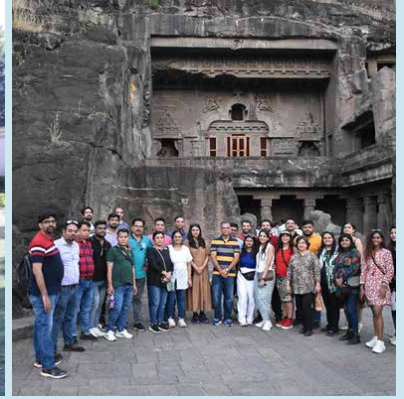
HIGHLIGHTS

Offsite 2023

Unleashing the Power of Teamwork in Aurangabad!

The Shakti Team gathered in the culturally vibrant city of Aurangabad, Maharashtra, for their annual offsite 2023.

[Read more](#)



14th Foundation Day

Shakti celebrated its 14th Foundation Day on October 5, 2023. To make this day special as well as create a sense of pride and belonging towards the organisation, some interesting activities were planned for the team members.

[Read more](#)



Celebrating the Festival of Lights

The Shakti family gathered together for a radiant celebration. The celebration was a testament to the strong bonds that unite us at Shakti where we are not just colleagues but a close-knit family - one harmonious unit.

[Read more](#)



Celebrating the Spirit of Xmas

Shakti Sustainable Energy Foundation marked the Christmas season with joyous celebrations with the team gathering together to embrace the spirit of the festive season.

[Read more](#)



New Joinees

Kartikey Sharma

Programme Manager –
Climate Finance



Anuradha Saigal

Programme Manager –
Climate Policy



Divya Bawa

Programme Manager -
Climate Policy



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