

FUEL EFFICIENCY STANDARDS
TRANSITION TO CLEANER BSVI FUEL
ENERGY EFFICIENT LIGHTING
INDIA'S RENEWABLE
ELECTRICITY ROADMAP 2030
INDIA'S LARGEST ENERGY ACCESS SURVEY
MINI-GRID REGULATIONS
FOR BIHAR AND ODISHA
THE GREEN VEHICLE RATING SYSTEM
A THERMAL COMFORT STANDARD
IN THE NATIONAL BUILDING CODE
ROADMAPS FOR THE
ADOPTION OF ELECTRIC BUSES
GHG INVENTORY AND MRV
SYSTEM FOR SIKKIM



CELEBRATING
THE BEGINNING
OF OUR
10
YEARS

Shakti is privileged to participate in and contribute to clean energy and climate action in India. Celebrating the beginning of our 10th year, we present a few highlights of our most transformative work. We honor the achievements and lessons learned from these years, and with a keen eye on the future, we will continue to work towards our vision of a clean and secure energy future for the country.



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Connect with us



2009



Shakti is founded. It is the first ever grant-making organization to focus exclusively on clean energy issues in India. Mr. Jamshyd Godrej and Mr. Suresh Prabhu join the Board of Directors



The Shakti office is set up in New Delhi, India.

2010



Ms. Meher Pudumjee, Ms. Naina Lal Kidwai and Mr. Nitin Desai join the Board of Directors



In sync with India's climate pledges and the National Action Plan on Climate Change, Shakti defines areas of grant-making and work: Clean power, transport, climate policy and energy efficiency



Shakti receives its first grant from the Pirojsha Godrej Foundation and initiates operations. The first full-time employees are hired

2011



Shakti supports a first-ever detailed and objective analysis of the National Solar Mission that informs the subsequent phases of the Mission



Shakti helps to organize a series of national research conferences on climate change. These conferences, the first of their kind in India, cover the scientific, technical, economic and policy aspects of climate change



Efforts enabled by Shakti lead to draft recommendations for transport standards under the The National Mission on Sustainable Habitat



Enhancing the conversation on energy access, Shakti engages with the Forum of Regulators, the apex regulatory body in India, to draft regulations for off-grid projects in India

2012



Mr. Krishan Dhawan is appointed as CEO of Shakti



Shakti is granted prior permission under the FCRA act and receives its first overseas funding



To create a unified civil society voice for sustainable urban transport, Shakti supports the setting up of SUMNet, a pan-India NGO coalition



Shakti invests in re-assessing the potential of wind in the country. Research done by our grantees show that actual potential could be more than ten times the official estimates



The first ever groundwork to quantify the energy and environmental footprint of India's brick sector, supported by Shakti, provides a way forward to reduce emissions by modernizing the sector



Focusing on energy access, Shakti helps to find ways to make the distribution grid more reliable as well as to strengthen the network of rural energy service entrepreneurs in the DRE sector



To advance energy efficiency in Industry, Shakti initiates a long-term strategy to help increase both the depth and width of the Perform, Achieve and Trade (PAT) scheme



Shakti facilitates efforts to inform the design of the Super Efficient Equipment Programme (SEEP), which is intended to leapfrog energy efficiency performance standards in appliances

2013



Shakti supports the design and implementation of Rajasthan's largest Demand Response pilot, which leads to a demand curtailment of 22 MW



Shakti invests in the India GHG program, the first of its kind industry-led voluntary initiative to track and manage GHG emissions a standard practice for Indian businesses



Five Shakti-supported studies are showcased at specially convened side events at the Clean Energy Ministerial in New Delhi



At its flagship economic summit, Vibrant Gujarat, the Government of Gujarat announces a strategic partnership with Shakti

2014



Full FCRA registration received



Shakti is part of MNRE's committee reassessing India's wind potential. Following a reassessment effort supported by Shakti, the government announces official increased wind energy potential



Fuel efficiency standards for passenger vehicles were notified in early 2014. Efforts enabled by Shakti inform this development



The Standard Offer Programme for energy efficient lighting in Puducherry sows the seeds for the nationwide transformation of India's LED market and informs the development of the national LED programme



The first Shakti Dialogues are held bringing together our grantees, partners, donors and other stakeholders to discuss critical clean energy and climate action in India. This becomes an annual event



Shakti aids the development of a briefing paper on India's progress in combating climate change, prepared by the Ministry of Environment, Forests and Climate Change for the Lima Conference of Parties (COP)



Shakti contributes to the development of the NITI Aayog-led India Energy Security Scenarios, an energy planning tool exploring future energy scenarios for several sectors leading up to 2047



A Shakti-supported study on consumer load profile and electricity use patterns in a Varanasi discom opens doors for focused research on high technical and commercial losses, poor electrification status and service quality



Shakti supports screenings of a national award-winning documentary 'Katiyabaaz' to enhance awareness around electricity theft in the country

2015



Dr. Rajiv Lall joins the Shakti Board of Directors



Shakti supports the development of the Smart City Proposals of Visakhapatnam, Kakinada, Jaipur and Udaipur with a specific focus on sustainable mobility and built environment. All four cities make it to the list of the top 20 cities shortlisted for the first round of funding under the Smart City Mission. Shakti follows up with implementation support



Shakti hosts and co-funds the India Innovation Lab for Green Finance, the first of its kind initiative to identify and develop financial instruments that drive more investment to green infrastructure



An MoU is signed with the Association of State Road Transport Undertakings (ASRTU) for the planning, design and implementation of improved bus-based transport systems in India



The NITI Aayog launches India's Renewable Electricity Roadmap 2030. Shakti is a knowledge partner and facilitates an extensive stakeholder-driven exercise to identify the policy changes required to adopt renewables on a large scale. Following this, ten states develop their renewable energy plans



The appraisal checklist for urban transport projects, supported by Shakti, is adopted by the Ministry of Urban Development to prioritise sustainability mobility projects



India's largest energy access survey so far, supported by Shakti, is released covering over 8,500 households, 714 villages and 51 districts in Bihar, Jharkhand, Madhya Pradesh, Odisha, Uttar Pradesh and West Bengal



Shakti is a founding member and resource partner of the Clean Energy Access Network (CLEAN), which works to mobilize market-driven approaches for scaling-up DRE

2016



Mr. Suman Bery joins the Shakti Board of Directors



India announces the adoption of BS VI emission norms from 2020 skipping BS V, a huge step towards addressing air pollution. Shakti engaged with multiple stakeholders to help craft a compelling vision for this transition



The Shakti-supported Bus Terminal Planning and Design Guidelines are showcased at the National Best Practice Workshop on Infrastructural Development in Ahmedabad organized by the Ministry of Road Transport and Highways to discuss its scheme for developing bus terminals through PPPs



Shakti supports the establishment of the 'Breathe' network to install low-cost air quality monitors in ten cities, which now provide real time measurements on air quality



Efforts supported by Shakti lead to the inclusion of the thermal comfort standard in India's National Building Code (2016), the national guideline for regulating building construction activities across the country



Based on research supported by Shakti, the Ministry of Power's tariff committees circulates recommendations on tariff reform to all states. As a result, Delhi, Jharkhand and Bihar initiate the restructuring of their retail tariffs



Shakti engages with the Uttar Pradesh Electricity Regulatory Commission to draft regulations that will action the state's mini-grid policy. Uttar Pradesh is the first state in India to announce a mini-grid policy



The Bihar State Pollution Control Board mandates brick kilns in Patna and surrounding areas to upgrade to cleaner technologies. Efforts enabled by Shakti contribute to the technical evidence that shaped this order



Through strategic grants, Shakti invests in efforts to provide targeted technical and capacity building assistance to select DRE enterprises in states across India

2017



Shakti organizes a finance workshop for grantee partners covering areas of common interest such as legal forms and related compliances, taxation in NPOs, budgeting, reporting and monitoring and more



Senior staff participate in the McKinsey Organisational Capacity Assessment survey, the findings of which are used to strengthen the critical areas of vision and mission, strategy, leadership, funding, core values, learning and innovation, communication and technology



Shakti adds a new area of work, the Clean Energy Finance programme, which seeks to find solutions for catalyzing clean investment instruments for India



Efforts facilitated by Shakti inform the development of draft fuel efficiency standards for Heavy Duty Vehicles (HDVs) announced by India with a gross vehicle weight of 12 tonnes or greater



Shakti and the Indian School of Business launch the Clean Energy Lab, India's first incubation program for early stage CSO with big innovative ideas that can create policy impact. The Lab is now incubating five fellows



Shakti-supported roadmaps for the adoption of electric buses in two important metros—Bengaluru and Kolkata—are launched. Both roadmaps inform efforts to promote electric buses in their respective cities



Shakti is a member of the F20 Platform Steering Group, and at the 2017 G20 Summit in Hamburg, joins the Platform in the call for the successful implementation of the Paris Agreement



A Shakti-commissioned study assess the socio-economic impact of the first few solar pumps installed in UP, Bihar, Rajasthan and Tamil Nadu under the National Solar Pump Mission. Recommendations shared with the MNRE inform the development of the KUSUM scheme



The Air Pollution Knowledge Assessment (APnA) City Programme creates a baseline of air pollution related information for 20 Indian cities—a necessary starting point for charting out strategies for better air quality



In the first ever direct transfer of electricity subsidy by an Indian utility, Shakti supports the design of Direct Benefit Transfer (DBT) for the Holaspura feeder of the Jaipur Vidyut Vitaran Nigam Ltd. Initial DBTE transfers are carried out



The DREEM (Decentralised Renewable Energy Evaluation and Monitoring) tool is developed and launched to help DRE enterprises self-evaluate and help financing institutions evaluate proposals from DRE enterprises



In Bihar and Odisha, Shakti facilitates the development of mini-grid regulations, which has been notified. In Jharkhand, the draft mini-grid policy is under consultation



Efforts supported by Shakti contribute to the development of the draft guidelines for co-processing hazardous waste in cement plants by the Central Pollution Control Board

2018



Shakti adds a new area of work, the Electric Mobility programme to support India's goal of 100% transportation electrification by 2030 while maximizing the climate and development co-benefits



Mr. Krishan Dhawan, CEO of Shakti joins the re-constituted Environment Pollution (Prevention and Control) Authority, which is tasked with tackling air pollution in the NCR



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Efforts supported by Shakti contribute to the development of four chapters of the Draft India Cooling Action Plan, a first of its kind document for any country in the world, providing a roadmap to meet the country's growing cooling needs in a climate-friendly manner



The Government of India announces draft amendments to the National Tariff Policy. Shakti-supported efforts contribute to the draft



The Green Power Market Development Group facilitates over 700 MW of renewable energy transactions by corporate leaders. Its efforts lead to Bangalore International Airport procuring 40% of its core operations' electricity consumption through renewables



To help Sikkim reach its vision of becoming India's first carbon neutral state, Shakti is facilitating the development of a GHG inventory and MRV system for climate action for the state



The green vehicle rating for two-wheelers and three-wheelers, supported by Shakti, provides information about their environmental and emission performance, thereby helping consumers to make greener purchasing decisions



Shakti joins the International Solar Alliance Global Task Force of Foundations



Shakti is engaging with distribution utilities in seven states supporting several interventions that can help improve their operational and financial performance



Efforts supported by Shakti lead to the inclusion of two new sectors, petrochemicals and buildings (hotels) in the fourth cycle of the Perform Achieve and Trade (PAT) scheme



Shakti-supported efforts will help a Delhi Discom to pilot three new business models to promote the uptake of rooftop solar amongst residential consumers