

Agenda

Enabling State Level Strategic Actions for India's NDC

| Gujarat Chapter |

Date: 28th November, 2019

Venue: Welcome Hotel, RC Dutt Rd, Alkapuri,

Vadodara, Gujarat 390007

9:45 - 10:15 AM		Registration
10:15 - 10:30 AM		Session I – Introduction
10:15 - 10:30 AM	Project Introduction	<i>Shri. Pankaj Batra, Project Director IRADe- SARI/EI, Ex-Chairperson (I/c) & Member (Planning), Central Electricity Authority</i>
10:30 - 11:30 AM	Session II- Promoting use of solar water pump in agriculture sector <p>The majority of water pumps used today are either grid-connected or run on diesel. However, remote, off-grid areas, the rising prices of diesel, as well as the environmental implications of its usage, raise several questions over the efficacy of these traditionally powered pumps. As investment, costs for solar powered irrigation pump (SPIP) are coming down and subsidy schemes for SPIS are being rolled out, solar technologies are becoming a viable option for both large and small-scale farmers.</p> <p>SPIP will make farmers independent of grid supply and also enable them to sell surplus solar power generated to DISCOM and get extra income. Given this background this session aims to discuss and deliberate on:</p> <ul style="list-style-type: none"> • Cropping patterns and irrigation pumps by types to assess the potential of solar pumps • Adoption of solar irrigation by farmers and the amount of surplus power that would be available to sell • Price for electricity sale that would make solar pumping an attractive proposition to farmers <p>Financial mechanism that will provide capital to farmers and subsidy to DISCOMs</p>	
10:30 -10:45 AM	A context setting presentation based on Sectoral Discussion Paper for Gujarat prepared by IRADe researchers	
	Session Chair	<i>Shri H.P. Desai, Independent Director, GETCO, Gujarat Energy Transmission Corporation Limited (tbc)</i>
	Remarks by Panelists	<i>Mr. Shilp Verma, Researcher, IWMI- Anand Mr. R. J. Vala, Executive Engineer, GUVNL Mr. Chetan Vyas, ACVA Solar Pvt Ltd, Vadodara</i>
	Chair and Panelists remarks followed by open discussion	
11:30 - 11:45 AM		Group Photograph & Tea Break

11:45 - 13:00 PM	<p>Session III- Energy efficient transport systems to reduce emissions</p> <p>Transport demand in India has been growing rapidly. To reduce emission intensity, use of non-motorized and public transport (buses, metros) needs to be promoted at state and city level. Also with economic growth, ownership of motorized vehicles grows within an economy.</p> <p>The falling cost of batteries is expected to reduce the cost difference between a BEV (Battery Electric Vehicle) and an equivalent conventional subcompact car will embolden BEV adoption. A suitable market based strategy and an incentive program design support to achieve desired mix of conventional vs BE vehicle. Given this background this session aims to discuss and deliberate on:</p> <ul style="list-style-type: none"> • Transport sector policy: penetration of Mass Transit in cities such as Metro, Bus etc. • Current fleet performance and future growth of the transport fleet by 2030 • Transport scenario of conventional vs BEV mix upto 2030 • Market based strategy for reducing the cost of EV through business models such as battery ownership by third parties, battery swapping options, etc. 	
11:45 -12:00 PM	<p>A context setting presentation based on Sectoral Discussion Paper for Gujarat prepared by IRADe researchers</p>	
	Session Chair	<i>Shri. Ajit Kapadia, Vice Chairman, Centre for Fuel Studies and Research (tbc)</i>
	Remarks by Panelist	<p><i>Shri. H. R. Shah, Chief Engineer (Projects), MGVCL (tbc)</i> <i>Dr. Kaushal Kishore, Associate Professor, Pandit Deendayal Petroleum University</i> <i>Shri. Shwetal Shah, Technical Advisor, Climate Change Department, Government of Gujarat</i></p>
	Chair and Panelists remarks followed by open discussion	
13:00 - 14:00 PM	Lunch	
14:00 - 15:15 PM	<p>Session IV- Adapting Energy and Power sector to meet NDC's target</p> <p>In order to meet the NDCs target, a rapid reduction in emissions through generation and consumption of electricity will be necessary. To transition to low-carbon energy systems, renewable energy sources need to replace carbon-intensive sources, alongside improved efficiency in the generation and consumption of electricity.</p> <p>Promotion of usage of RE generated power through Renewable Purchase Obligation (RPO) on Obligated Entities. Role of reliable grid based power in eliminating polluting sources of energy. Given this background this session aims to discuss and deliberate on:</p> <ul style="list-style-type: none"> • Increasing share of Renewable (RE) in generation mix by examining the current and immediate future energy mix up to 2030 • Comprehensive analysis of Energy Efficiency (EE) in power systems • Reducing T & D and Auxiliary losses, incentive for modernization • Analysis of RPO targets met/unmet by DISCOMs in the past • Increasing reliability of the power system • Gujarat Power Sector Challenges and Way Ahead 	
14:00 -14:15 PM	<p>A context setting presentation based on Sectoral Discussion Paper for Gujarat prepared by IRADe researchers</p>	
	Session Chair	<i>Shri. B.B. Mehta, Chief Engineer, SLDC</i>
	Remarks by Panelists	<p><i>Smt. Sailaja Vachhrajni, GM (IPP), Gujarat Urja Vikas Nigam Limited (GUVNL)</i> <i>Shri. Kirit Naik, Centre for Fuel Studies and Research</i></p>
	Chair and Panelists remarks followed by an open discussion	
15:15 - 15:30 PM	Closing Address	Closing remarks and Vote of Thanks by Mr. Pankaj Batra