

Policy Dialogue on Energy and Climate Change | Assam Chapter |

9th May, 2019

Indian Institute of Technology, Guwahati

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Policy Dialogue on Energy & Climate Change

| Assam Chapter|

On

09th May, 2019 at IIT Guwahati

09:45 - 10:15 AM		Registration
10:15 - 11:15 AM		Session I – Inaugural Session
	Welcome Address	Prof. C. Mahanta, Head <i>Department of Civil Engineering, IIT Guwahati</i>
	Welcome Remarks	Prof. Gopal Das <i>Dean, Research & Development, IIT Guwahati</i>
	Inaugural Remarks	Prof. Kirit Parikh, Chairman <i>Integrated Research and Action for Development (IRADe)</i>
	Inaugural Address	Prof. Jyoti Parikh, Executive Director <i>Integrated Research and Action for Development (IRADe)</i>
Group Photograph & Tea Break		
11:15 - 12:45 PM	Session II- Adapting Energy and Power sector to meet NDC's target	
	<p>To meet the NDCs target a rapid reduction in emissions from the consumption and production of energy will be necessary. To transition to low-carbon energy systems, renewable energy sources need to replace carbon-intensive sources, alongside improved efficiency in the consumption and production of energy.</p> <p>Renewable Purchase Obligation (RPO) a Central government led C&C not working. Lack of reliability of grid based power supplies in many parts also lead to use of other polluting energy sources. 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 by DISCOMs in the past and reasons for their non-performance in meeting targets • Increasing reliability of the power system to eliminate use of diesel based generator backups sectoral power demand and growth pattern 	
	Session Chair	Shri. Vinod Kumar Pipersenia, IAS (Retd.) <i>Chairman, Assam Electricity Grid Corporation Ltd (tbc)</i>
	Session Co Chair	Shri. R. R. Ukirde <i>Director, National Power Training Institute (NPTI), Guwahati</i>

	Theme Context (10-15 Minutes)	<ul style="list-style-type: none"> IRADe presentation on “Adapting Energy and Power sector to meet NDC’s target”
	Remarks by Panelists (About 7-10 Minutes Each)	Tentative list <ul style="list-style-type: none"> Shri. N. K. Deka, Deputy Director (PP), Assam Electricity Regulatory Commission Dr. Arup Kumar Misra, Director, Assam Energy Development Agency Shri. Puru Gupta (IAS), Managing Director, Assam Power Distribution Company Limited (APDCL) (tbc) Mr. J. K. Baishya, Chief General Manager, SLDC Division (tbc)
	Open Discussion (10-15 min)	
12:45 - 13:45 PM Lunch		
13:45 - 15:15 PM	Session III- 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 Financial mechanism that will provide capital to farmers and subsidy to DISCOMs 	
	Session Chair	Dr. Arup Kumar Misra <i>Director, Assam Energy Development Agency (AEDA)</i>
	Session Co Chair	Prof. M. K. Dutta <i>Head, Department of Humanities and Social Sciences, IIT Guwahati</i>
	Theme Context (10-15 min)	IRADe presentation on “ Promoting use of solar water pump in agriculture sector ”
	Remarks by Panelist (7-10 minutes each)	Tentative List <ul style="list-style-type: none"> Shri. Debajyoti Choudhury, Director Planning, Irrigation Department, Govt of Assam Prof. Saundarjya Borbora, Director (P&S Grievance), Department of Humanities & Social Sciences, IIT Guwahati Prof. D. C. Baruah, Professor, Tezpur University (Central University), Assam
	Open Discussion (10-15 minutes)	

15:15 - 15:30 PM	Tea Break	
15:30 - 17:00 PM	<p>Session II- Energy efficient transport systems to reduce emissions 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. 	
	Session Chair	Prof. Praveen Kumar <i>Department of EEE & E-Mobility Laboratory, IIT Guwahati</i>
	Session Co Chair	Prof. C. Mallikarjuna <i>Professor, Department of Civil Engineering, IIT Guwahati</i>
	Theme Context (10-15 Minutes)	IRADe presentation on “ Energy efficient transport system to reduce emission ”
	Remarks by Panelists (About 7-10 minutes each)	<p>Tentative List</p> <ul style="list-style-type: none"> • Dr. Akhilesh Kumar Maurya, Associate Professor, Department of Civil Engineering, IIT Guwahati • Mr. Subrata Chakrabarty, Manager, Climate Program, WRI India • Shri. Bibhuti Saikia, Chief Engineer, Public Works (Roads) Department, Guwahati, Assam (tbc)
	Open Discussion_(10-15 minutes)	
17:00 – 17:30 PM	Closing Address	Prof. C. Mahanta, Head <i>Department of Civil Engineering, IIT Guwahati</i>