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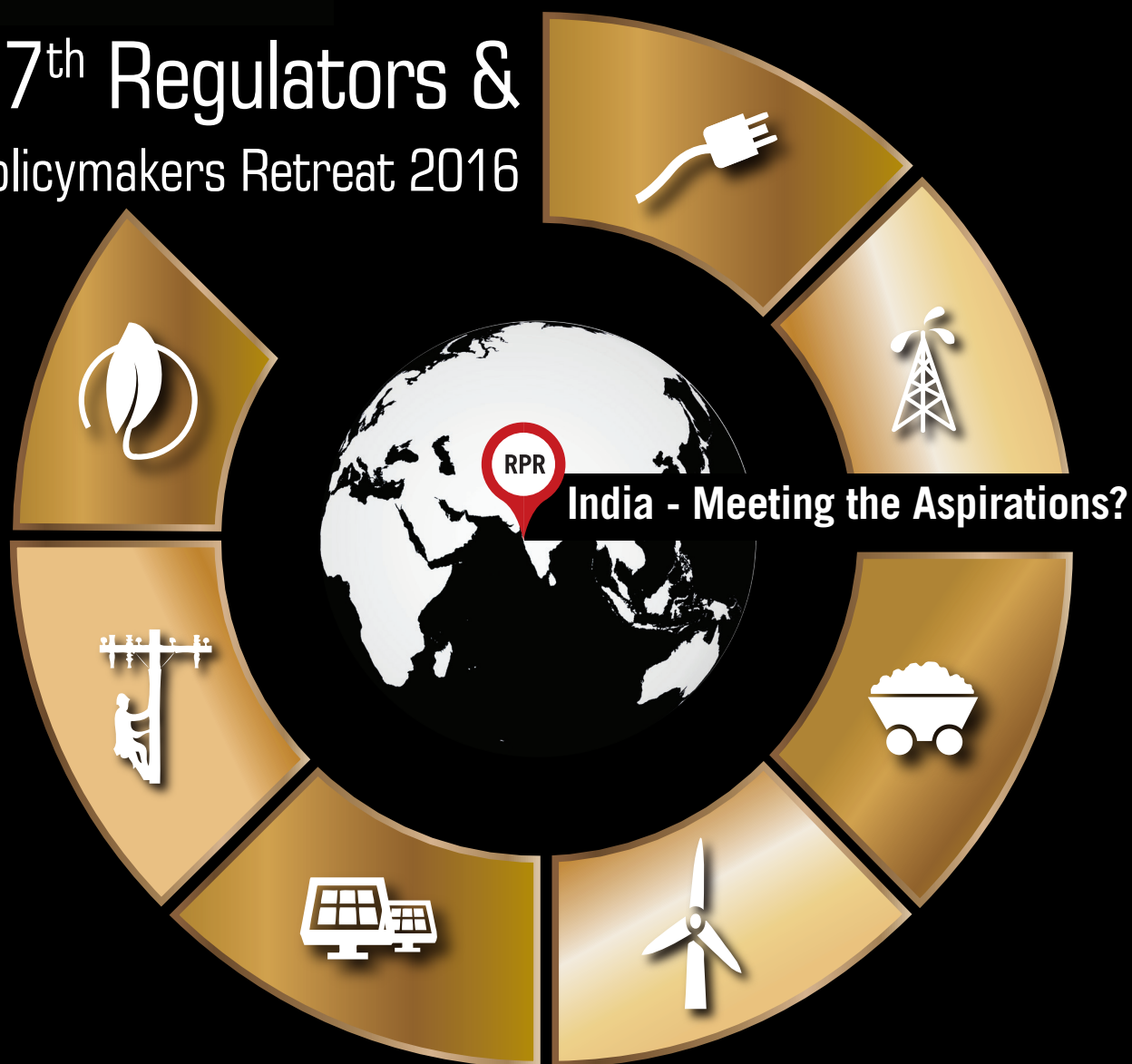


GOVERNMENT OF INDIA
MINISTRY OF NEW
AND RENEWABLE ENERGY

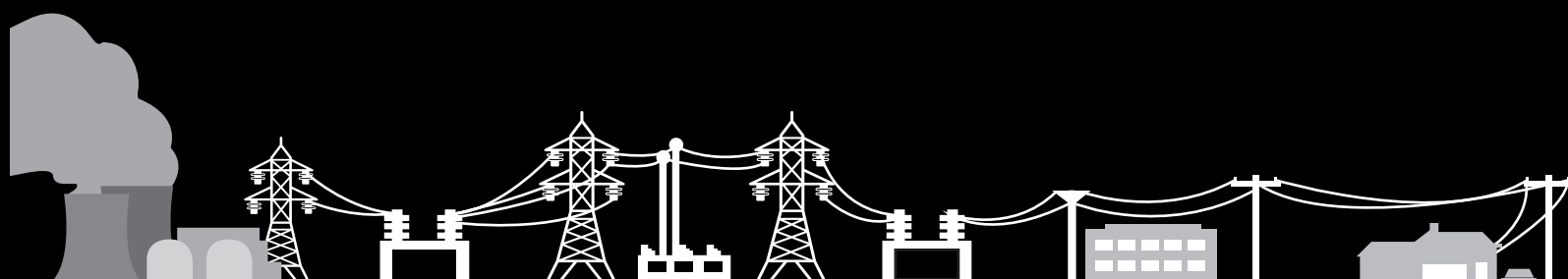


GOVERNMENT OF INDIA
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17th Regulators & Policymakers Retreat 2016



22-25 September, 2016 | The Lalit Golf & Spa Resort Goa, India





Some of Our Previous Esteemed Speakers

The Regulators & Policymakers Retreat (RPR) is a cerebral initiative in the field of energy, infrastructure and governance that attempts to address the burning issues of the sectors. It is a unique initiative that discusses issues on a larger social-cultural and ecological canvas by bringing together thought-leaders and experts such as regulators, policymakers and industry stakeholders to discuss and debate the way forward.

Our aim has been to position the concerns in a larger national context, and hence, the overarching themes of the past RPRs have been 'Public Good v/s Private Profit', 'Democracy v/s Development' and 'Can India Afford an Unequal Society?' amongst others.

The RPR is a premium event attended by thinkers and visionaries from all walks of life including those from India's energy and infrastructure sectors, and where existing and future challenges and strategies are discussed. Over the years, the event has won for itself a position of distinction and has been recognized as a confluence of innovative and informative ideas and knowledge.

The retreat celebrates the achievements of the Indian power and energy sectors in which regulators, policymakers and other stakeholders participate. In the brainstorming sessions, they learn from each other's experiences and come up with creative solutions to meet contemporary and future needs as the economy sees increasing participation from the private sector in the infrastructure segment.

Our theme this year is to link the various shifts in the state of the nation's mind and to meet the aspirations of the world's largest collection of youth, ensuring our international commitments to mitigating climate change and ensuring holistic and fair policies which would serve all pillars of our society to achieve a content nation.

Expected Participation

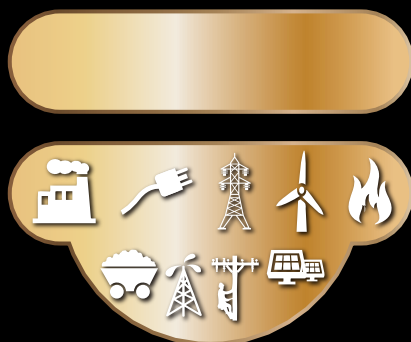
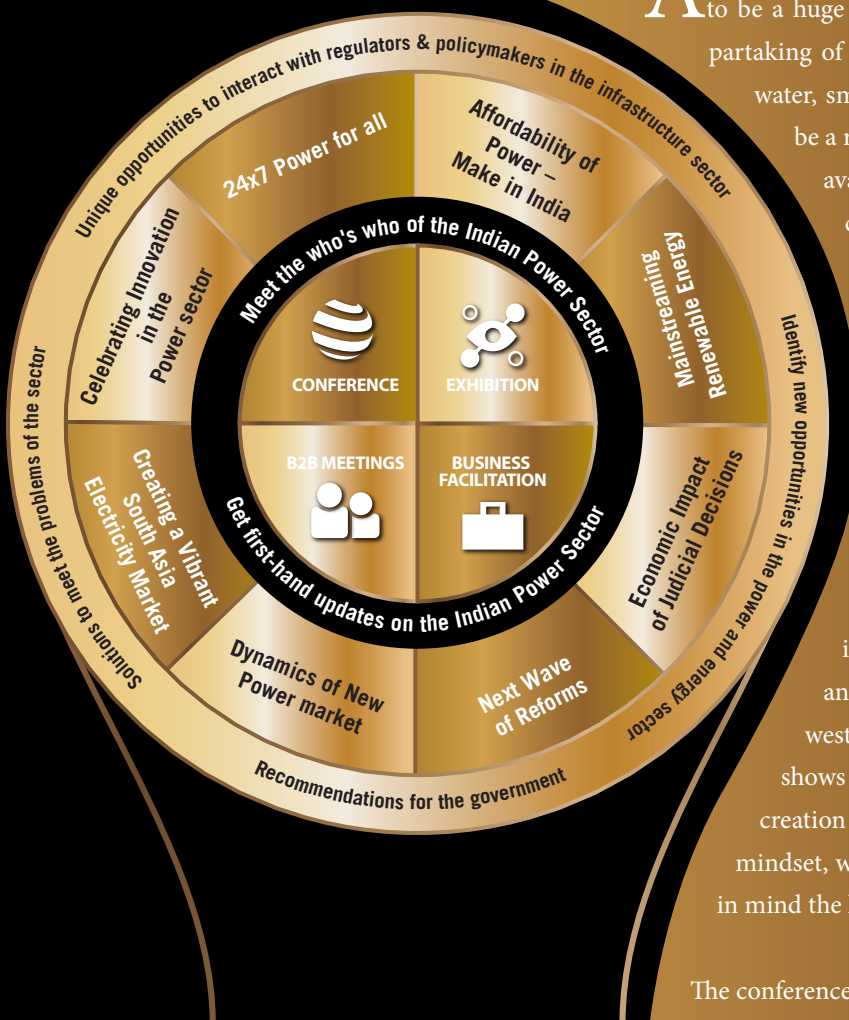
- ✦ Members of Parliament
- ✦ Eminent Thought-leaders
- ✦ Regulators
- ✦ Policymakers
- ✦ Economists
- ✦ Industry Players
- ✦ Power Consumers
- ✦ Public Sector Undertakings
- ✦ Captive Power Plants
- ✦ Utilities
- ✦ Power Traders and Exchange

India – Meeting the Aspirations?

As India rides high on its newfound economic strength, there seems to be a huge gap between the urban and rural, resulting in unequal partaking of the growth story. Be it smart cities, smart grids, smart water, smart health, education or job generation, there seems to be a real slow down in the economic activities and the options available to the rural population, who, now look upon the cities as the ultimate answers to their needs resulting in mass migration, thus further straining the already over stressed city infrastructure.

The event looks at the aspirations of young Indians keeping in mind the ways of improving their living standards by benchmarking it to the western narrative of development. The 'haves and have nots debate' now has infected the entire population, thanks to the ever increasing awareness amongst young India courtesy the information revolution. The retreat will go to the roots and examine the relevance, efficacy and practicability of the western developmental model in the Indian context. Research shows that there is a cultural clash in the value systems of wealth creation in the capitalist model of development and the Indian mindset, which has looked upon the wealthy as exploiters, keeping in mind the historical background i.e. "profit is a dirty word".

The conference will also explore Indianism and its open and welcoming architecture v/s the definitive western mindset and values that have recently been imposed as a true means for sustainable development of India's economy. The event is cerebral and meant to trigger out-of-the-box thinking by interspersing the intellectual and the esoteric with the day-to-day issues of the power sector to provoke thoughts and bring out creativity in the minds of policymakers and regulators. It is, in a sense, a respite to give them inspiration before they go back to the drawing boards of policymaking and regulation to tackle the challenges India's power sector faces and work the way forward.





Draft Agenda

Day 1 22nd September 2016 (Thursday)

18:30 - 20:00 **India: Meeting the Aspirations** - Infinite desires & finite resources – Challenges
Plenary 1

Day 2 23rd September 2016 (Friday)

10:00 - 11:00 **What should our development model be in the light of the ever-growing aspirations?**
Plenary 2

11:00 - 12:45 **Galvanizing the Power Sector to meet India's Aspirations**
Session 1

- Coal & Power Surplus – What stops Indian consumers from getting 24x7 power?
- From deficit to surplus in coal supply: What is the impact on IPPs?
- What is the role of private sector in power & infrastructure sectors? What needs to be done to revitalize Public Private Partnerships (PPPs) considering past failures?
- What steps are needed to encourage new PPP investment or revive stalled projects?
- Greenfield or brownfield investments? - How will the new projects be funded? What are the emerging sources?
- Regulated (Sec. 62)/Competitive bidding (Sec. 63): What has been the learning from the PPA experience?
- Are we facing a re-federalization of India's power sector? What have been the initial results of programs like the IPDS, DDUGJY and '24x7 Power for All'?
- Promoting domestic upstream oil & gas sector – issues, challenges & policy for private sector Preparing a roadmap for future capacity addition

12:45 - 13:00 **Q&A**

14:00 - 15:00 **Transmission: Challenges & way forward**
Session 2

- Mainstreaming of Renewable Energy & Grid Integration
- Ministry of Power & CEA's 20 years' transmission plan (2016-2036)
- Role of Private sector in developing transmission infrastructure
- Inter-regional links: Way forward in removal of seasonal & regional constraints
- Financing & Implementing India's Plug & Play grid (National Power Beltway & Concept of General Network Access)
- Can India become Energy hub for Central, South & South East Asia

15:00 - 16:00 **Distribution: Realistic power tariffs and paying capacity of the consumer: industrial, commercial & residential, is this the curtain call for private sector market funded new power projects which are more expensive than the historical ones?**
Session 3

- What will be the impact of UDAY scheme? What is the outlook on capital expenditure by Discoms?
- What has been the progress in rationalizing tariffs and cross-subsidies?
- Progressive Reduction of Cross Subsidy Surcharge (CSS): Have we made any real 'progress' at all?
- Status of Regulatory Assets – Another burden on consumers?
- Blocking Open Access, the new Mantra - Financial health & functioning of Discoms
- Separation of Carriage from Content: Is India ready for the transition & key learnings from International experiences in the supply business

16:00 - 17:30 **Smart India - Smart Energy, Smart Water, Smart Transportation, Smart Security**
Session 4

- India in the era of new technologies
- Smart Grids, Ancillary Services
- Energy Storage - Financing, Viability of Energy Storage Schemes
- Smart Metering
- Cyber Security for Power Sector & Internet of Things (IoT)

17:30 - 18:00 **Civil Nuclear Liability: Impact on Fresh Investments, Development and Mainstreaming of Nuclear Power**
Session 5

Day 3 24th September 2016 (Saturday)

10:00 - 11:30 **Uncertainty in the global economy - Impact on India**
Plenary 3

- Is Capitalism failing?

11:30 - 13:00 **Water Energy Nexus** - Unsustainable agricultural practices, recycling, water storage, reviving ground water systems, water resources, power and irrigation projects, drawing parallel to a sustainable approach, enabling policies for better & equitable utilization of water for both power generation & irrigation use
Session 6

Keynote Address **Changing nature of Demand in India - Impact of changing patterns of demand and supply on the Regulations**
14:00 - 14:30

14:30 - 16:00 **Renewable Energy: The roadmap and the challenges for Solar**
Session 7

- Transition to 100 GW solar energy by 2022- Ground Realities
- Challenges in financing 175 GW target by 2022
- Policy initiatives required for building investment momentum & fueling growth
- Challenges of Forecasting, Scheduling and settlement of RE power in 15 min. time blocks, deviation settlement mechanism
- What is the potential of the solar rooftop market in India? What have been the key challenges?
- Decentralized Generation: RE Mini/Micro Grids

16:00 - 17:30 **Renewable Energy: The roadmap and the challenges for Wind**
Session 8

- Transition to 60 GW wind energy by 2022- Ground Realities
- Challenges in forecasting (of wind resources) and scheduling of wind power
- Need for stability and convergence in government policies and laying inter-state transmission lines
- Local manufacturing of wind turbines: Case for success of 'Make in India' initiative
- Is hybrid Solar-Wind Power Parks a more viable option?
- Compliance of Renewable purchase obligations (RPO) by Obligated entities: How's the progress been post SC judgment

20:00 - 20:30 **Keynote Address by the Chief Guest**

20:30 - 21:00 **IPPAI Power Awards**

Day 4 25th September 2016 (Sunday)

10:00 - 11:30 **Energy Security & Economic Harmonization: What is the sustainable development model for India and the role of Energy? Cross border cooperation and development to strengthen the economy and power tie-ups (SAARC Grid)**
Plenary 4

11:30 - 12:30 **Environment: India to meet the energy demands of 1.25 billion people through a low carbon trajectory/strategy?**
Session 9

- Energy Efficiency - PAT II – way forward & learnings from PAT II
- Fungibility of RECs & ESCerts – Examining inter-changeability between market based instruments
- Climate change - India's obligation to UNFCCC & the world
- Supreme Court Judgment on RPOs – taking stock
- Need for more effective hydro power development
- New emission norms for Thermal power plants

12:30 - 14:00 **IRPRI Master Class - Regulations & the Indian Power Market - Reforms & the way forward**
Session 10

- Rural electrification
- Is Auction the only way of allocating resources
- National Energy Policy
- Amendments to Electricity Act 2003
- National Tariff Policy & Amendments
- Need for a separate Renewable Energy Act
- Can competition and OA really work in an unequal and imperfect market?
- Cross Subsidy Surcharge, Electricity Duty, the destruction of the DISCOM
- Consumer interest & choice
- Need of a more holistic approach in formulating of policies

13:00 **Closing & Valedictory Remarks**

**The Agenda may undergo some changes*



List of Participants - RPR 2016

Government

Mr. Santosh Vaidya, JS, Ministry of New & Renewable Energy
Mr. Arun Goyal, Additional Secretary, Govt. of India, Project Monitoring Group, Prime Minister's Office
Mr. Kumar Sanjay Krishna, Additional Secretary & Financial Advisor, Ministry of Agriculture
Mr. Ajay Jain, Secretary (Energy), Govt. of Andhra Pradesh
Mr. Suresh K. Jain, Secretary (Power), Govt. of NCT of Delhi
Mr. Ajoy Mehta, Municipal Commissioner, Municipal Corporation of Greater Mumbai
Mr. Gem Tshering, MD, Bhutan Power Corporation
Mr. Keshav Chandra, CEO, Delhi Jal Board
Dr. S Gomathinayagam, Director General, National Institute of Wind Energy

Regulators

Mr. Anand Kumar, Chairman, Gujarat Electricity Regulatory Commission
Mr. Damitha Kumarasinghe, DG, Public Utilities Commission of Sri Lanka
Mr. DS Bains, Chairman, Punjab State Electricity Regulatory Commission
Mr. Desh Deepak Verma, Chairman, Uttar Pradesh State Electricity Regulatory Commission
Mr. KP Singh, Member, Uttarakhand Electricity Regulatory Commission
Mr. NR Bhattarai, Chairperson, Sikkim State Electricity Regulatory Commission
Mr. PJ Thakkar, Member, Gujarat Electricity Regulatory Commission
Mr. P.N. Singh, Secretary, Chhattisgarh State Electricity Regulatory Commission
Mr. Raghunath Prasad Singh, Chairman, Arunachal Pradesh State Electricity Regulatory Commission
Mr. SK Chaturvedi, Chairman, JERC for Goa & the Union Territories
Mr. Subhash Kumar, Chairman, Uttarakhand Electricity Regulatory Commission
Mr. SK Negi, Chairman, Bihar Electricity Regulatory Commission
Mr. SKBSNegi, Chairman, Himachal Pradesh Electricity Regulatory Commission
Er. SS Sarna, Member, Punjab State Electricity Regulatory Commission
Mr. SL Bunker, Member, Competition Commission of India
Mr. TS Balasubramanian, Member Fin & Chairman i/c TAMP
Mr. V.K. Shrivastava, Member, Chhattisgarh State Electricity Regulatory Commission

Industry

Mr. Ankit Goel, Deputy Manager, SBI Capital Markets Limited
Mr. Ashwini K Aggarwal, Director – Govt. Affairs, Applied Materials India Pvt Ltd
Mr. BB Mehta, Chief Engineer, Gujarat SLDC
Mr. Debasish Banerjee, CEO, Reliance Energy
Dr. Dinesh Arora, Executive Director, Rural Electrification Corporation
Mr. Gopal Saxena, Director, BRPL & BYPL
Mr. John Cronin, Executive Chairman, CyanConnode
Mr. Kulamani Biswal, Director Finance, NTPC Ltd.
Mr. Parag Sharma, COO, ReNew Power
Ms. Radhika Jha, ED, Power Finance Corporation
Mr. Raghvendra Mehta, Mentor, Reliance Infrastructure Ltd
Mr. Rajya W. Ghei, CEO, Hindustan Clean Energy Ltd.
Mr. Ravi Arya, President, Hindustan Power Projects Pvt Ltd
Ms. Selva J Kumari, MD, Kanpur Electricity Supply Company
Mr. Sudhir Nunes, CEO Wind Business, Orange Renewables
Mr. Satyajit Ganguly, MD, ONGC Tripura Power Co Ltd
Mr. Saurabh Jolly, Vice President, Seafaradays Energy Pvt Ltd
Mr. Surendra Kumar Negi, Managing Director, GETCO
Mr. Sanjay Bhagwat, Addl GM, BEST Undertaking
Mr. Sanjay Chaturvedi, CEO, Sembcorp Green Infra Ltd.
Mr. Vikas Dabeer, Director, Applied Materials
Mr. Vishal Pandya, Director, ReConnect Energy
Mr. Vivek Singhal, Director, Kanohar Electricals Limited
Mr. Vikas Kashyap, Vice President - Asia, Cyan Technology Ltd.

Experts

Dr. Ajay Mathur, Director General, TERI
Dr. Arvind Kumar, President, India Water Foundation
Dr. Arunabha Ghosh, CEO, Council on Energy Environment & Water
Dr. Anoop Singh, Dept. of Industrial & Management Engineering, IIT Kanpur
Mr. Harry Dhaul, Director General, IPPAI
Prof. Jagdeep S. Chhokar, Fmr. Dean IIM Ahd, lawyer, citizen activist
Gen. JJ Singh, Fmr. Chief of Army Staff
Ms. Mohua Mukherjee, Senior Energy Specialist, The World Bank
Mr. Reji Pillai, President, India Smart Grid Forum
Mr. Salman Khurshid, Indian Politician, Senior Advocate, Author
Mr. Udai Mehta, Director, CUTS International
Mr. VP Raja, Fmr Chairperson, MERC
Mr. Vinayak Chatterjee, Chairman, Feedback Infra Private Limited

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IPPAI Power Awards 2016

September 24, 2016

The Lalit Golf & Spa Resort Goa, India

Acknowledging the contribution of the Industry, Indian States and State Electricity Regulatory Commissions that significantly contributed to the development of the power sector in India

AWARD OBJECTIVE

IPPAI Power Awards recognize the contribution of individuals / organizations / Indian States / State Electricity Regulatory Commissions (SERCs)/ DISCOMs that have significantly contributed to the development of the power sector in India.

ELIGIBILITY CRITERION

All individuals / organizations / Indian States / SERCs operating in any or multiple segments of the power industry in India are eligible to apply for this award.

IPPAI Power Awards 2016

IPPAI Power Awards will be held on September 24, 2016, during the 17th Regulators and Policy Makers Retreat at The Lalit Golf and Spa Resort Goa, India. The winners will be unanimously decided by an eminent jury.

Jury members include:

- **Prof. SL Rao**, Former Chairman, Central Electricity Regulatory Commission
- **Dr. Pramod Deo**, Former Chairman, Central Electricity Regulatory Commission
- **Shri V P Raja**, Former Chairman, Maharashtra Electricity Regulatory Commission
- **Dr. VK Garg**, Former Chairman, Joint Electricity Regulatory Commission, Goa & UTs
- **Shri V Subramanian**, Former Secretary, Ministry of New & Renewable Energy
- **Mr. R N Parashar**, Former Chairman, Haryana Electricity Regulatory Commission
- **Mr. Ajay Shankar**, Former Secretary, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry
- **Mr. HL Bajaj**, Former member, Appellate Tribunal for Electricity
- **Mr. Rakesh Nath**, Former Member, Appellate Tribunal for Electricity

Esteemed Knowledge Partner, **Deloitte Touché Tohmatsu India Pvt. Ltd.**, will perform the preliminary screening and evaluation of the nominations.

Award Categories

Award for the **Best Performing Distribution Company**

Award for the **Best Performing Distribution Company of the Union Territories**

Award for the **Best State to Promote Renewable Energy**

Award for the **Best Thermal Power Generator**

Award for the **Best Solar Developer**

Award for the **Best Wind Developer**

Award for the **Best Hydro Power Generator**

Award for the **Best Transmission Utility**

Award for the **Best SLDC**

Award for the **Most Progressive State in the Power Sector**

Award for the **Most Progressive SERC – Open Access**

Award for the **Most Progressive SERC – Tariff Reforms**

Award for the **Most Progressive SERC – Renewable Promotion**

Award for the **Most Progressive SERC – North-East**

Award for the **Utility Achieving Fastest Rural Electrification in Last Decade**

Awards & Recognition of Innovations Under the Following Categories

- Waste Heat Recovery
- Energy Conservation
- Energy Efficiency
- Energy Storage
 - a. Chemical
 - b. Battery
 - c. Hydro
 - d. Mechanical Storage
 - e. Underground Storage
- Fuel Storage
 - a. Usage of Less Fuel
 - b. New Alternate Fuel
- Any Techno-Commercial Which Contribute to the Development of the Indian Power Sector

Past Associates





was set up as a not-for-profit association shortly after the Government of India opened the power sector to private industry. Since its inception as an independent body in 1994, IPPAI's aim has been to provide a neutral platform to discuss energy policy and focus on strategic, financial, legal, regulatory and technical issues in the power, oil, gas and allied sectors.

Over the years, we have become a well-informed interactive institution, bringing together important players such as cross-party members of parliaments, government officials and bureaucrats from the power ministries, electricity regulators, financial institutions, independent power developers, international and domestic companies and industry, equipment suppliers, et al.

Our motto 'examine engage empower' has led us to now initiate a strong sense of environmental ethics taking into consideration the need of the hour - to make India energy efficient and secure whilst not compromising on our ecological security.

After numerous IPPAI publications and over 200 national, state-level and international workshops, energy summits, conferences later, we continue to stimulate ideas and innovation for facilitating new and stable business developments, re-strategizing existing models, and promoting healthy competitive growth of the power sector in India.

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