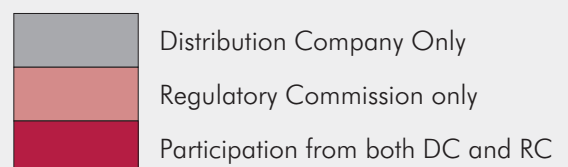
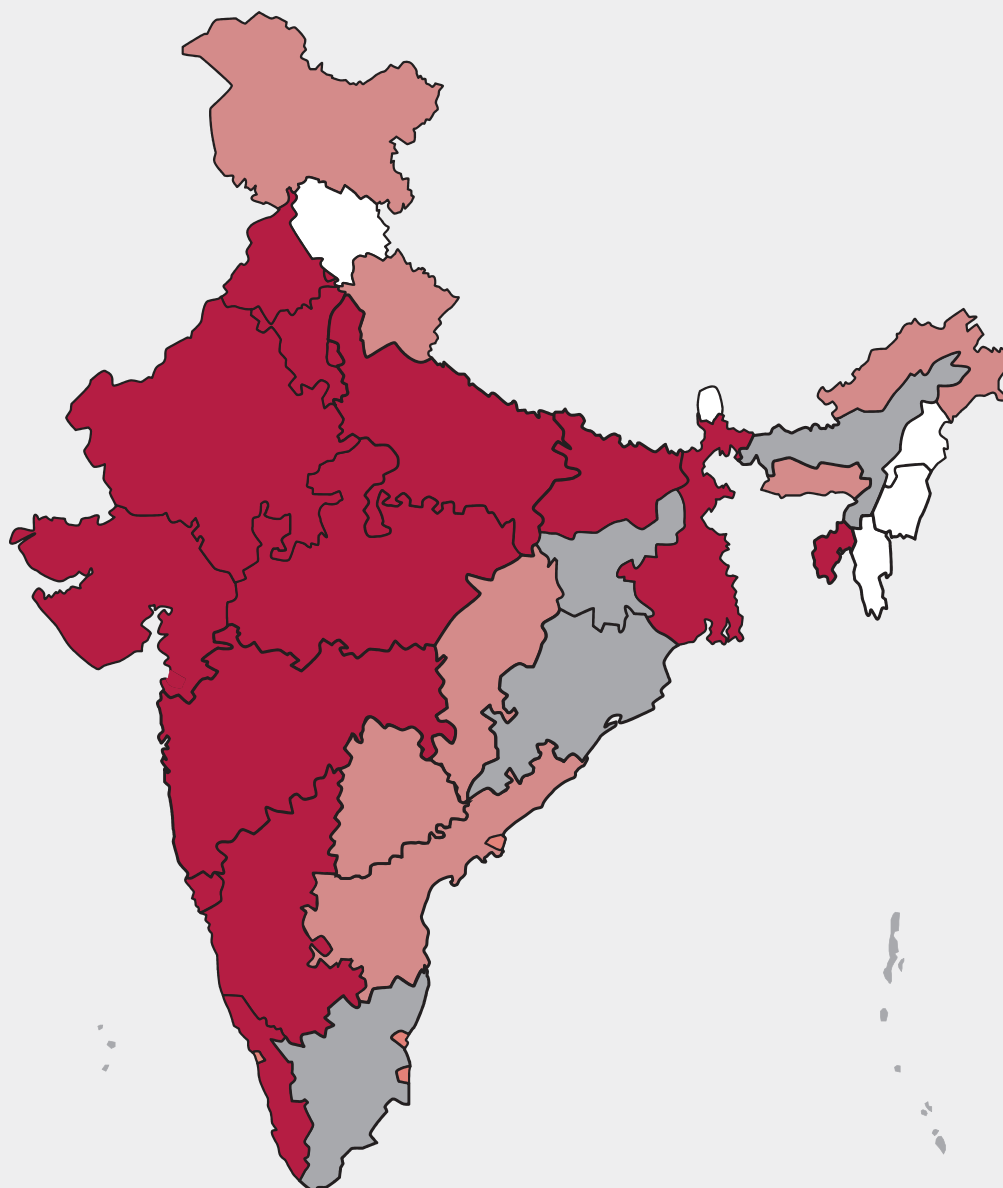


UTILITY CEO FORUM ON DEMAND SIDE MANAGEMENT

Synopsis 2013–2016

Utility CEO Forum on Demand Side Management

Participating States—Electricity Distribution Utilities and Regulatory
Commissions



Contents

1. Introduction	2
1.1. Summary of Forum's meetings	8
1.2. Summary of regional meetings	9
2. Forum's achievements	10
3. Synopsis of the Forum's meetings	12
3.1. First meeting: February 2013	12
3.2. Second meeting: June 2013	13
3.3. Third meeting: September 2013	14
3.4. Fourth meeting: December 2013	15
3.5. Fifth meeting: April 2014	16
3.6. Sixth meeting: July 2014	17
3.7. Seventh meeting: November 2014	18
3.8. Eighth meeting: January 2015	19
3.9. Ninth meeting: September 2015	20
3.10. Tenth meeting: April 2016	21
3.11. Eleventh meeting: August 2016	22
3.12. First regional meeting	23
3.13. Second regional meeting	24
3.14. Third regional meeting	25
Appendix A - List of participants	26

Introduction

'24x7 affordable and sustainable electricity for all' is one of the most important developmental goals envisioned by the Government of India to fuel and sustain economic growth. This goal also plays a vital role in accelerating India's climate change reforms against the backdrop of the UN Paris Agreement. However, India faces formidable challenges in achieving this vital transition. The global experience indicates that an optimal mix of supply and demand-side resources will bridge demand–supply gaps in the short term, and enhance efficiency in both the utilisation of power system capacity and end-use electricity consumption, thereby making electricity both affordable and sustainable in the long run.



Gireesh B. Pradhan, IAS
Chairperson, CERC and Former
Secretary, MNRE, Govt. of India
Period: February'13 –
September'13

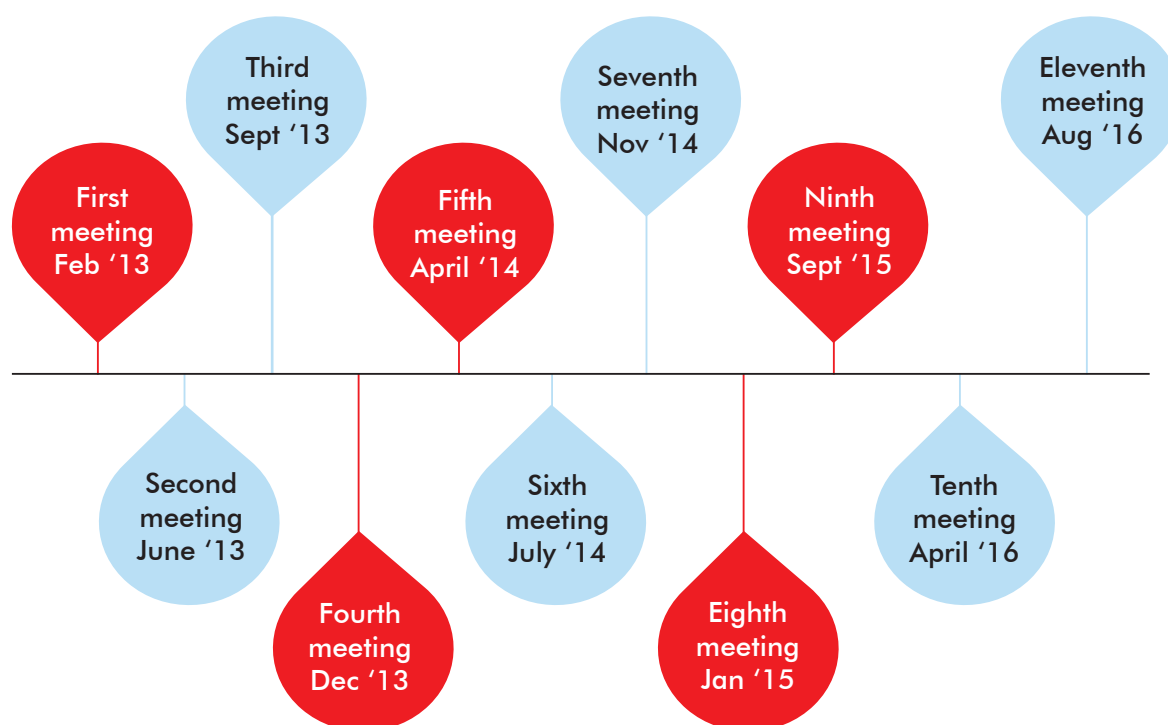


Anil Razdan, IAS
Former Secretary, Ministry of
Power, Govt. of India
Period: December'13 – October
2016

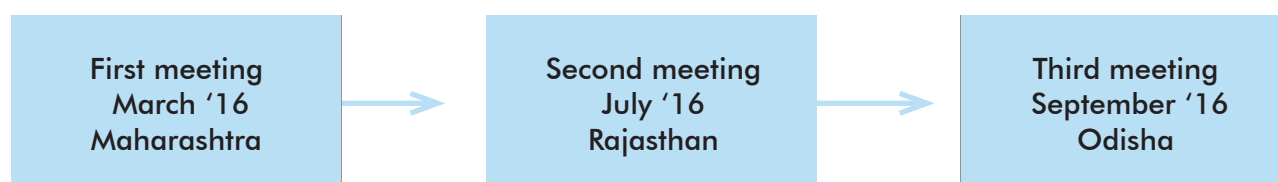
Demand side management (DSM) refers to actions taken by the distribution utility, beyond the electricity meters of customers, to alter consumption patterns with the objective of reducing the overall cost of energy to the system. DSM programmes help the utility in avoiding high capital investments in incremental generation capacity and the transmission and distribution network, improving end-use energy efficiency and thereby resulting in reduced costs and emissions. In the short term, well-designed DSM programmes also provide utilities the flexibility to manage peak demand and ensure grid discipline. It is one of the most efficient and effective ways to manage spikes in demand as ramping up and down of conventional thermal plants is inefficient. Having a significant portfolio of demand-side resources in the energy mix also implies that (a) the procurement of expensive power from short-term markets can be reduced and (b) generation of expensive power from the marginal capacity in the supply stack can be displaced. DSM is therefore an indispensable strategy for Indian utilities to make electricity affordable in the long run. With all the attributes of a clean energy resource, DSM can also contribute to the sustainable transition of the Indian power supply system.

Despite all the benefits, the potential for DSM has remained largely unexploited. The progress and achievements on the implementation front are limited to a few low-hanging fruits. Recognising these constraints, in 2012, Shakti Sustainable Energy Foundation conceptualised the Utility CEO Forum on Demand Side Management (hereinafter referred as 'the Forum') to engage in knowledge and experience sharing around DSM-related aspects in India.

Forum meetings: Timeline



Regional meetings: Timeline



The Forum brings together key individuals in the electricity sector to stimulate fresh ideas, identify critical challenges, replicate best practices, and create an enabling policy environment for scaling up utility-driven DSM programmes in the country. The Forum's vision is to provide Indian utilities a platform that can facilitate the design, development and delivery of large-scale DSM programmes. The Forum strives to advance solution-driven dialogue among stakeholders by debating industry-best practices and policies that promote DSM. PricewaterhouseCoopers (PwC) was appointed as the knowledge partner to manage and drive the Forum's activities.

Since its launch in February 2013, the Forum has held eleven quarterly meetings and three regional meetings. Shri Gireesh B Pradhan

chaired the first three meetings and Shri Anil Razdan took over as the chairperson from the fourth meeting onwards.

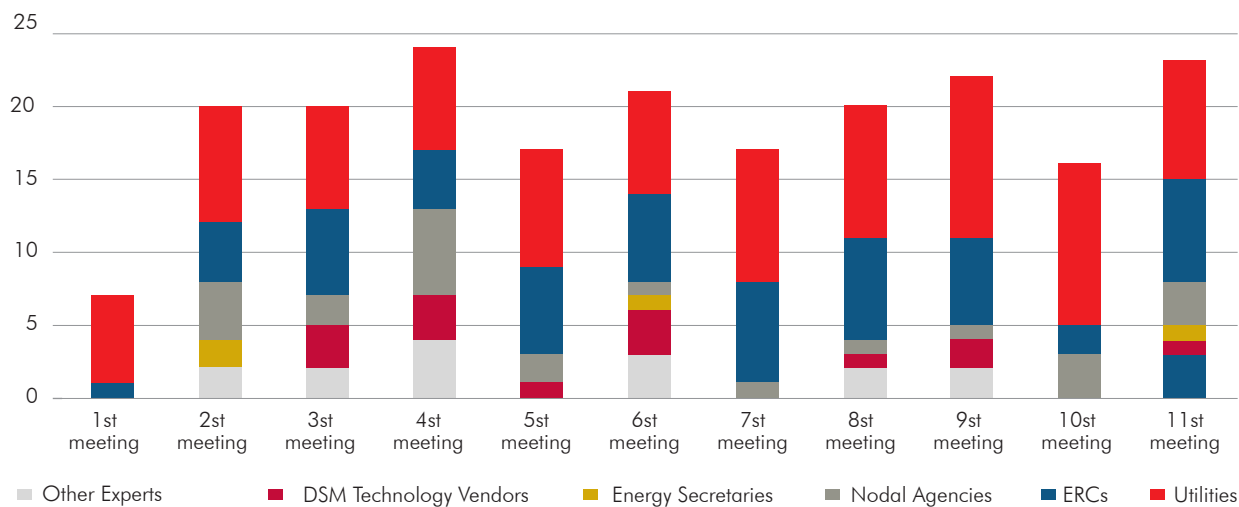
We would like to express our sincere thanks to both the honorary chairpersons, without whose guidance and leadership the Forum's achievements would not have been possible. In early 2014, Energy Efficiency Services Limited (EESL) joined as the co-promoter of the Forum. The participants of the Forum include senior officials from electricity distribution licensees (utilities), electricity regulatory commissions (ERCs), central nodal agencies (Bureau of Energy Efficiency, Central Electricity Authority, etc.), energy service companies, technology and service providers as well as industry experts from all over the country.

Thematic round-table discussions form the core agenda of the Forum’s meetings. Themes are chosen in consultation with the participants to discuss the most critical challenges and the focus is on advancing solution-driven dialogue among stakeholders. The meetings also include presentations that highlight case studies, success stories and emerging technologies to create awareness about DSM opportunities, markets as well as successful implementation models.

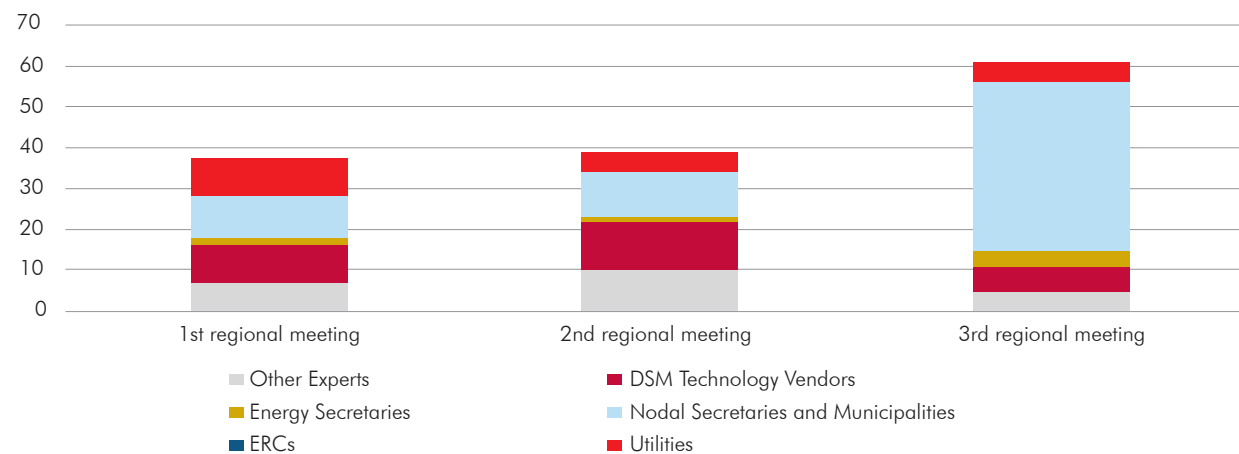
With the aim of advancing state-level DSM actions, the Forum initiated regional meetings

in this fiscal year. Following a seminar or workshop structure, regional meetings typically focused on important DSM opportunities, challenges, EESL’s implementation solutions and delivery models specific to the local market conditions and priorities of the stakeholders. The regional meetings covered a wider participant profile, including but not limited to electric utilities, municipalities, various departments of the state government, DSM technology suppliers and industry experts, financial institutions, research and academic institutions.

Forum meetings: Participant profile



Regional meetings: Participant profile



Participant organisations in the Forum meetings

ERCs	Electricity distribution licensees (utilities)	Others
1. Andhra Pradesh ERC	1. Assam Power Distribution Company Limited	20. North Eastern Electricity Supply Company Ltd
2. Arunachal Pradesh ERC	2. Bangalore Electricity Supply Company	21. Paschimanchal Vidyut Vitran Nigam Ltd
3. Bihar ERC	3. BSES Rajdhani Power Limited	22. Puducherry Electricity Department
4. Central Electricity Regulatory Commission	4. BSES Yamuna Private Limited	23. Punjab State Power Corporation Ltd
5. Chhattisgarh State ERC	5. Brihan Mumbai Electricity Supply and Transport Undertaking	24. Purvanchal Vidyut Vitaran Nigam Limited
6. Delhi ERC	6. Calcutta Electric Supply Corporation	25. Reliance Energy
7. Gujarat ERC	7. Central Electricity Supply Utility of Orissa	26. Reliance Infrastructure Limited
8. Haryana ERC	8. Chamundeshwari Electricity Supply Corporation	27. South Bihar Power Distribution Company Ltd
9. Jammu and Kashmir State ERC	9. Dakshin Haryana Bijli Vitran Nigam	28. Tamil Nadu Generation and Distribution Company (TANGEDCO)
10. Joint ERC the state of Goa and Union Territories	10. Goa Electricity Department	29. Tata Power Delhi
11. Karnataka ERC	11. Gulbarga Electricity Supply Company	30. Tata Power Mumbai
12. Madhya Pradesh ERC	12. Jaipur Vidyut Vitran Nigam Limited	31. Tripura State Electricity Corporation Limited
13. Maharashtra ERC	13. Jharkhand Bijli Vitran Nigam Limited	32. Uttar Gujarat Vij Company Limited
14. Meghalaya ERC	14. Kanpur Electricity Supply Company Limited	33. Uttar Haryana Bijli Vitran Nigam
15. Punjab ERC	15. Kerala State Electricity Board	34. Uttar Pradesh Power Corporation Limited
16. Telangana ERC	16. Madhya Gujarat Vij Company Limited	35. West Bengal State Electricity Distribution Co. Ltd.
17. Tripura ERC	17. Madhya Pradesh Poorva Kshetra Vidyut Vitran Co. Ltd	
18. Uttar Pradesh ERC	18. Maharashtra State Electricity Distribution Company Limited	
19. Uttarakhand ERC	19. North Bihar Power Distribution Company Ltd	
20. West Bengal ERC		1. Alliance for Energy Efficient Economy
		2. Amber Enterprises
		3. Bureau of Energy Efficiency
		4. Central Electricity Authority
		5. Customised Energy Solutions
		6. EDS Pvt. Ltd.
		7. Deloitte India
		8. Genesis Futuristic Technologies Limited
		9. Greentree Building (P) Ltd
		10. Gujarat Energy Development Agency
		11. IIT Bombay
		12. Indian Smart Grid Forum
		13. International Finance Corporation
		14. LEO Electronics
		15. MP Ensystems Advisory Private Limited
		16. National Smart Grid Mission
		17. PACE-D Technical Assistance Programme
		18. Philips Electronics India Limited
		19. Principal Secretary, Power, Government of Delhi
		20. Principal Secretary, Power, Government of Haryana
		21. Probyon Power Consultants
		22. Regulatory Assistance Project
		23. Schneider Electric
		24. Tata Consultancy Services
		25. United Nations Development Programme
		26. Uttar Pradesh New and Renewable Energy Development Agency
		27. UTC Climate, Controls and Security India

Participant organisations in the regional meetings

Governments	Nodal agencies	Technology, equipment and service providers	Utilities	Others
<ol style="list-style-type: none"> 1. Government of India 2. Government of Maharashtra 3. Government of Rajasthan 4. Government of Odisha 5. Government of Chhattisgarh 	<ol style="list-style-type: none"> 1. Bureau of Energy Efficiency 2. Maharashtra Energy Development Agency 3. Rajasthan Renewable Energy Corporation Ltd. 4. Jaipur Development Authority 5. Rajasthan Tourism Development Corporation 6. Rajasthan Grameena Vikas Aajeevika Parishad 7. Public Works Department 8. Archaeological Museum 9. Rajasthan State Institute of Public Administration 10. Public Health and Engineering Department 11. Bureau of Energy Efficiency 12. State Designated Agency Odisha 13. Odisha Urban Infrastructure Development Fund 14. National Productivity Council 15. Petroleum Conservation Research Association 	<ol style="list-style-type: none"> 1. Kakatiya Energy systems 2. Usha International 3. Khyatee Electronics Pvt Ltd 4. V Guard Pumps 5. Indian Pump Manufacturer Association 6. Crompton 7. Green Power International Pvt. Ltd 8. Miracle Electrical Solutions India Pvt. Ltd. 9. Darashaw 10. Philips India 11. Khyatee Electronics 12. Surya Roshni 13. Bajaj Electrical 14. Usha International L&T 15. Wilo Mather and Platt pumps 16. Vguard Industries 17. 3E Solutions 18. Pyrotech 19. VSU Energy Services 20. Veer Electronics 21. Surya Roshni 22. Atomberg Technologies 23. Versa Drives 24. Kakatiya Energy Systems 25. Ecolibrium Energy (P) Ltd. 26. Philips India Ltd. 	<ol style="list-style-type: none"> 1. Gujarat Urja Vikas Nigam Ltd 2. Reliance Infra Limited 3. Dakshin Haryana Bijli Vitran Nigam Limited 4. Dakshin Gujarat Vij Company Limited 5. Madhya Gujarat Vij Company Ltd. 6. Uttar Gujarat Vij Company Limited 7. Paschim Gujarat Vij Company Limited 8. Tata Power 9. Jaipur Vidyuth Vitran Nigam Limited 10. Ajmer Vidyuth Vitran Nigam Ltd. 11. Jodhpur Vidyuth Vitran Nigam Limited 12. Grid Corporation of Odisha State 13. Odisha Power and Transmission Company Ltd. 14. Western Electricity Supply Company of Odisha Ltd. 15. Northern Electricity Supply Company of Odisha Ltd. 16. Central Electricity Supply Utility 17. Southern Electricity Supply Company of Odisha Limited 	<ol style="list-style-type: none"> 1. GIZ 2. IIT Bombay 3. Energy Policy Centre of Chicago 4. Prayas 5. MPEN 6. Taj Group of Hotels 7. USAID 8. Desire Energy 9. Epic India 10. CUTS International 11. J-Pal 12. Aqualyng 13. D 20 14. KPMG 15. ICF International 16. BCG 17. IIIT-Bhubaneswar 18. CET Bhubaneswar 19. The Energy and Resources Inst. 20. BIPros 21. Power Tech Consultants

Municipalities attending the regional meetings

Maharashtra	Odisha
1. Ulhasnagar	1. Anandpur
2. Amravati	2. Angul
3. Halna	3. Aska
4. Solapur	4. Atabira
5. Mira Bhayandar	5. Balasore
6. Navi Mumbai	6. Balimela
7. Jalgaon	7. Balugaon
8. Nagpur	8. Bargarh
9. Pimpri	9. Baripur
10. Chinchwad	10. Barpali
11. Vasai Virar City	11. Bhadrak
	12. Bhuban
	13. Boudhgar
	14. Buguda
	15. Chikiti
	16. Choudwar
	17. Daspalla
	18. Deogarh
	19. Digapahandi
	20. Ganjam
	21. Gopalpur
	22. Hindol
	23. Jharsuguda
	24. Kamakhya Nagar
	25. Kashinagar
	26. Kemshir
	27. Khandepan
	28. Konark
	29. Pralakhemundi
	30. Polsara
	31. Purushottamnagar
	32. Rajgangpur
	33. Rayagada
	34. Sundergarh
	35. Surada
	36. Talcher
	37. Umarkote
	38. Vyasaganagar

1.1. Summary of Forum's meetings

Meeting	No. of Participants	Theme	Outputs
Launch meeting	7	Barriers and enabling mechanisms for advancing megawatt scale DSM programmes in India	<ul style="list-style-type: none"> Discussion paper on 'Barriers and enabling mechanisms for advancing megawatt scale DSM programmes in India' Stakeholder consensus on the need for dedicated DSM policy at state level
Second meeting	20	Model state policy on electricity DSM	<ul style="list-style-type: none"> A model state policy for promoting utility-driven DSM was discussed, agreed and circulated among all stakeholders Awareness about innovative DSM business models promoted by EESL
Third meeting	20	Load research and DSM programme design: Best practices and case studies	<ul style="list-style-type: none"> Discussion paper on 'Load research and DSM programme design: Best practices and case studies'
Fourth meeting	24	Issues and challenges in the measurement and verification (M&V) of utility-driven DSM programmes	<ul style="list-style-type: none"> Discussion paper on 'Issues and challenges in M&V of energy savings resulting from utility-driven DSM programmes' Consensus about the need for developing M&V guidelines for important DSM measures and programmes in India
Fifth meeting	22	Cost effectiveness of utility-driven DSM programs	<ul style="list-style-type: none"> Tool for evaluating the cost effectiveness of various DSM measures and programmes (to access the web version of the tool, please click here DSM Cost Effectiveness Tool) EESL came on board as the co-promoter of the Forum
Sixth meeting	27	DSM programmes for buildings	<ul style="list-style-type: none"> Discussion paper on 'DSM opportunities in commercial buildings'
Seventh meeting	17	DSM regulations: Paving the way to action	<ul style="list-style-type: none"> Recommendations for strengthening the legal framework for DSM (i.e. amendments to the Electricity Amendment Bill, 2014) submitted to the Bureau of Energy Efficiency (BEE) and the Standing Committee on Energy (Sixteenth Lok Sabha) Recommendations for strengthening the existing DSM regulations submitted to all the state ERCs Feedback sought from participants on Forum's activities and future direction
Eighth meeting	23	Successful DSM programmes in India: Case studies and lessons learnt	<ul style="list-style-type: none"> A concept note on promoting the idea of 'managing electricity subsidies through DSM' submitted to the Prime Minister's Council on Climate Change
Ninth meeting	22	Capitalising on the insights from load research studies	<ul style="list-style-type: none"> Launch of the Standard Offer Program Handbook Discussion paper on 'Insights from load research studies' supported by BEE Demonstration of the National DELP/UJALA Dashboard (to access please click here UJALA Dashboard)
Tenth meeting	16	Synergies between DSM and ongoing electricity reforms in India	<ul style="list-style-type: none"> Discussion paper on 'synergies between DSM and ongoing electricity reforms' Demonstration of DSM India portal to disseminate DSM-related information and knowledge (to access please click here DSM India)
Eleventh meeting	24	Smart grid enabled DSM solutions	<ul style="list-style-type: none"> Discussion Paper on 'Smart grid enabled DSM solutions'

1.2. Summary of regional meetings

Meeting	No. of participants	Themesdiscussed	Outputs
First regional meeting, Mumbai	72	<ul style="list-style-type: none"> • EESL's LED street lighting and Centralised Control Monitoring System(CCMS)solution, market potential and benefits to stakeholders • EESL's energy-efficient ceiling fan solution, market potential and benefits to stakeholders • EESL's Agriculture DSM (Ag-DSM) solution, market potential and benefits to stakeholders • Tri-generation solutions for large commercial establishments 	<p>Agreement between EESL and municipality for implementation of LED street lighting project</p> <p>Agreement between EESL and Government of Maharashtra for distribution of smart energy-efficient irrigation pump sets</p>
Second regional meeting, Jaipur	87	<ul style="list-style-type: none"> • EESL's LED lighting solutions and challenges for utility-scale DSM programs • EESL's Ag DSM solution, market potential and benefits to stakeholders • EESL's DSM solutions for public commercial buildings • Demand response solutions and implementation hurdles 	Launch of energy-efficient ceiling fan and LED tube light programmes in Rajasthan
Third regional meeting, Bhubaneshwar	106	<ul style="list-style-type: none"> • EESL's LED street lighting and CCMS solution, market potential and benefits to stakeholders • EESL's energy-efficient ceiling fan solution, market potential and benefits to stakeholders • EESL's DSM solutions for public commercial buildings 	Launch of energy-efficient ceiling fan and LED tube light programmes in Odisha

Forum's achievements

Since its inception in 2013, the Forum has gained acceptance among stakeholders as a unique platform for learning about DSM opportunities and successful implementation models. More than 20 ERCs and 35 electricity distribution utilities representing almost all the states in the country have participated in the Forum meetings to share and learn from their collective experiences. In addition, several other DSM market participants, such as central and state government representatives, nodal agencies, experts, financial institutions, and DSM technology and service providers also attend Forum meetings regularly to debate best practices, policies and together build a network of DSM stakeholders.

In 2014, EESL, a joint venture company of public sector undertakings under the Ministry of Power, Government of India, joined the Forum as co-promoter. From its vast implementation experience in various states, EESL has been sharing best practices for scaling up DSM programmes in the Forum meetings. This is creating awareness and building the capacity of stakeholders in taking stock of DSM opportunities, market and business potential, implementation challenges, policy gaps, and critical success factors for large-scale implementation. In the last two years, the idea of DSM has gained traction, leading to the following developments.

1 DSM regulations

Many state ERCs, after taking cognisance of the growing need and significance of DSM, have notified regulations specifying the DSM implementation and institutional framework. In all of these regulations, the mandate to establish a DSM cell has been the driver of institutional development to plan, implement and evaluate utility DSM programmes on a sustainable basis. The mandate to conduct load research and assess technical potential for DSM has provided a systematic approach to plan for DSM resource acquisition. The provision of including DSM-related costs in the ARR petitions has ensured a definite mechanism for financing and cost recovery of DSM investments by electricity distribution companies (DISCOMs) and other market participants.

2 BEE's DSM Capacity Building Programme for DISCOMs

The Government of India, through BEE, Ministry of Power, launched a nation-wide programme focused on capacity building of DISCOMs to plan and implement DSM programmes. More than 35 DISCOMs in the country participated under this programme to conduct load research, develop concrete DSM action plans and implement key DSM programmes. The Forum's activities have been instrumental in complementing the efforts of BEE towards DSM capacity building of DISCOMs.

3 Pradhan Mantri Unnat Jyoti by Affordable LEDs for All (UJALA)

EESL's flagship DSM initiative has become ubiquitous and embraced by most of the states in the country. More than 18 crore self-ballasted LED lamps have been distributed under the scheme to replace the less efficient incandescent and CFL lamps.

4 Stakeholder confidence in the promise of DSM and increased momentum at state level

Following the tremendous success of UJALA, several states/DISCOMs have initiated a similar scheme focusing on LED tube lights, energy-efficient ceiling fans and irrigation pump sets. Andhra Pradesh, Maharashtra, Karnataka, Kerala, Rajasthan, Odisha, Delhi, Madhya Pradesh and several other states have initiated DSM implementation at critical scale. The Government of India has officially revised the DSM market potential from 44,000 crore INR (established in 2010) to 1.5 lakh crore INR in the current scenario.

M. Sivasankar, Principal Secretary to the Government of Kerala and Ex-CMD, Kerala State Electricity Board, said



Kerala State Government and Kerala State Electricity Board have benefitted immensely from the knowledge and experiences shared in the Forum meetings. I strongly urge the senior management of all the electricity distribution companies to participate in the Forum gatherings and learn from the collective experiences.



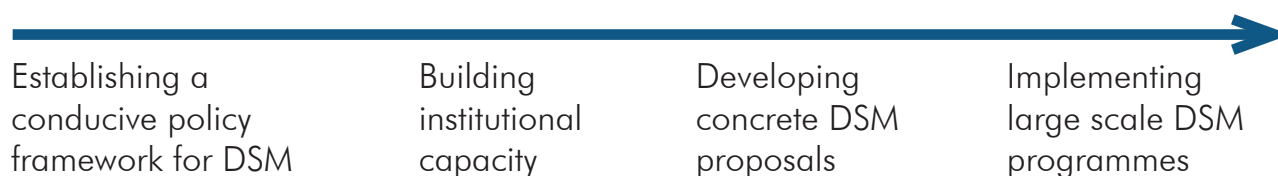
(10th Forum meeting in April 2016)

Though these developments cannot be attributed directly to the Forum's activities, a senior bureaucrat's public testimony has clearly indicated that the Forum has indirectly facilitated or catalysed some of these developments by bringing together key stakeholders in the power sector to share knowledge and collective experiences.

When the Forum was conceived in 2013, DSM implementation was sporadic and mostly pilot scale programs were initiated by a few utilities, especially in the private sector. Over the years, the Forum's activities and persistent efforts by multiple other stakeholders have led to the rise of utility scale DSM programmes and significantly enhanced stakeholder confidence in the promise of DSM. The unprecedented scale of success achieved by

UJALA¹ in the last 2–3 years and the key role played by DISCOMs and state governments in driving the programme at the state level is a testimony to this.

Apart from this, the Forum has achieved tremendous success in promoting the idea of DSM, its role in the ongoing power sector reforms and its promise/benefits to various stakeholders in the Indian power sector. The Forum's outputs around DSM such as the cost effectiveness tool, state model policy, recommendations to strengthen regulations and legislative provisions, and theme based background papers have been useful to develop knowledge on technical aspects of DSM and create awareness among the stakeholders. Overall, the Forum has been a catalyst in achieving the following outcomes:



1. Unnat Jyoti by Affordable LEDs for All, a national initiative driven by EESL to promote LED lighting among households and institutions implemented via innovative DSM delivery models through collaborative efforts.

Synopsis of the Forum's meetings

First meeting: February 2013



Utilities



Regulators

Theme

Barriers and enabling mechanisms for advancing megawatt-scale DSM programmes in India



New Delhi, February 2013



Key topics of presentations and discussion

Subject of discussion	Organisation
Charter for the Utility CEO Forum on DSM: Vision, structure and modus operandi	Shakti
Barriers and enabling mechanisms for advancing megawatt-scale DSM programmes in the country	PwC
A case study on the 'demand response' initiative in Mumbai distribution circle	Tata Power
Snapshot of DSM measures and programmes by BESCOM	BESCOM

Key outputs

- The Forum will hold its meetings as thematic round-table discussions based on select DSM-related themes of common interest among participating organisations.
- The Forum will conduct its meeting every quarter.
- Discussion paper on 'Barriers and enabling mechanisms for advancing megawatt scale DSM programmes in India'
- Stakeholder consensus on the need for dedicated DSM policy at the state level

To access the detailed proceedings of the meeting, please click here [First Meeting](#).

Second meeting: June 2013



Utilities



Regulators

Theme

Model state policy on electricity demand side management



New Delhi, June 2013



Key topics of presentations and discussion

Subject of discussion	Organisation
Model state policy for utility-driven DSM	PwC
Renewable energy based DSM solutions in Tamil Nadu	PwC
Energy performance contracting: Achievements and potential in India	EESL

Key outputs

- A model state policy for promoting utility-driven electricity DSM agreed and circulated among all stakeholders

To access the detailed proceedings of the meeting, please click here [Second Meeting](#).

Third meeting: September 2013



Utilities



Regulators

Theme

Load research and DSM programmedesign: Best practices and case studies



New Delhi, September 2013



Key topics of presentations and discussion

Subject of discussion	Organisation
Load research and DSM programmedesign: Best practices and case studies	PwC
A case study onthe auto demand response initiative in Delhi distribution area	TPDDL
Load research and DSM pilot programmes in Mumbai	Rlnfra
Innovative models to scale up DSM implementation by utilities	MP Ensystems
Energy-efficient lighting solutions	Philips India

Key outputs

- Discussion paper on load research and DSM programme design: Best practices and case studies

To access the detailed proceedings of the meeting, please click here [Third Meeting](#).

Fourth meeting: December 2013



Utilities



Regulators

Theme

Issues and challenges in the measurement and verification (M&V) of savings resulting from utility-driven DSM programmes



New Delhi, December 2013



Key topics of presentations and discussion

Subject of discussion	Organisation
M&V of savings resulting from utility-driven DSM programmes	PwC
DSM initiatives and experience in Delhi	RInfra
ESCO-based investment models for DSM projects	EESL
M&V in demand response programmes	Customized Energy Solutions
M&V ecosystem in India	Alliance for Energy Efficient Economy

Key outputs

- Discussion paper on 'Issues and challenges in M&V of energy savings resulting from utility-driven DSM programmes'
- Consensus about the need for developing M&V guidelines for key DSM programmes in India

To access the detailed proceedings of the meeting, please click here [Fourth Meeting](#).

Fifth meeting: April 2014

8

Utilities

6

Regulators

Theme

Cost effectiveness of utility-driven DSM programmes



New Delhi, April 2014



Key topics of presentations and discussion

Subject of discussion	Organisation
MERC guidelines on establishing DSM cost effectiveness	MERC
Cost effectiveness of utility-driven DSM programmes	PwC
A case study on the refrigerator-based DSM programme in Mumbai distribution circle	RInfra
Cost effectiveness assessment of EESL's projects	EESL
Sustainable energy efficiency in HVAC systems	United Technologies

Key outputs

- Tool for evaluating the cost effectiveness of various DSM measures and programmes (the web version of the tool is available on dsm-india.org)
- EESL came on board as co-promoter of the Forum

To access the detailed proceedings of the meeting, please click here [Fifth Meeting](#).

Sixth meeting: July 2014



Utilities



Regulators

Theme

DSM solutions for the buildings sector



New Delhi, July 2014



Key topics of presentations and discussion

Subject of discussion	Organisation
BEE's support to DISCOMs and mandate on energy efficiency in buildings	BEE
Building DSM programmes	EESL
A case study on M&V of the building DSM programme in Yojana Bhavan	Schneider Electric
DSM design assistance programme for super-efficient new buildings	SuPerB
DSM measures in Haryana	Government of Haryana
Residential DSM programmes proposed in Delhi	TPDDL

Key outputs

- Discussion paper on 'DSM opportunities in commercial buildings'

To access the detailed proceedings of the meeting, please click here [Sixth Meeting](#).

Seventh meeting: November 2014



Utilities



Regulators

Theme

DSM regulations: Paving the way to action



New Delhi, November 2014



Key topics of presentations and discussion

Subject of discussion	Organisation
DSM regulations: Paving the way to action	PwC
BEE's DSM CapacityBuilding Programme for Utilities	EESL
DSM-based Efficient Lighting Programme (DELP) in Puducherry	JERC
DSM programmes for UGVCL	EESL

Key outputs

- Recommendations for strengthening the legal framework for DSM (i.e. amendments to the Electricity (Amendment Bill), 2014') submitted to BEE and the Standing Committee on Energy (Sixteenth Lok Sabha)
- Recommendations for strengthening the existing DSM regulations submitted to all the state ERCs
- Feedback sought from participants on the Forum's activities and future direction

To access the detailed proceedings of the meeting, please click here [Seventh Meeting](#).

Eighth meeting: January 2015

10

Utilities

7

Regulators

Theme

Successful DSM programmes in India: Case studies and lessons learnt



New Delhi, January 2015



Key topics of presentations and discussion

Subject of discussion	Organisation
Alternative cost-neutral mechanism to manage electricity subsidies in India	PwC
Forum: Road Map for 2015	EESL
DSM-based efficient lighting programme (DELP) in Puducherry	PED
Delhi DELP scheme: On-bill financing model	BRPL
DSM success stories in Mumbai	Tata Power
Super-efficient ceiling fans: An overview of the technology	Versa Drives

Key outputs

- A concept note on promoting the idea of 'managing electricity subsidies through DSM' submitted to the Prime Minister's Council on Climate Change

To access the detailed proceedings of the meeting, please click here [Eighth Meeting](#).

Ninth meeting: September 2015

10

Utilities

6

Regulators

Theme

Capitalising on the insights from load research studies



Mumbai, September 2015



Key topics of presentations and discussion

Subject of discussion	Organisation
Insights from load research studies conducted under the BEE DSM Program	PwC
DSM action plan for Delhi	BRPL
DSM and energy efficiency initiatives in Delhi	TPDDL
Update on National Energy Efficiency Programmes	EESL

Key outputs

- Launch of the Standard Offer Program Handbook
- Discussion paper on 'Insights from load research studies' supported by BEE
- Demonstration of the National DELP/UJALA dashboard

To access the detailed proceedings of the meeting, please click here [Ninth Meeting](#).

Tenth meeting: April 2016

12

Utilities

2

Regulators

Theme

Synergies between DSM and ongoing electricity reforms in India



New Delhi, April 2016



Key topics of presentations and discussion

Subject of discussion	Organisation
Synergies between DSM and ongoing electricity reforms in India	PwC
DSM and energy efficiency initiatives by Tata Power	TPDDL
DSM: Uttar Pradesh perspective	UPPCL
New DSM initiatives by EESL	EESL
Introduction to the inverter AC technology	Amber Enterprises India Ltd

Key outputs

- A white paper on the synergies between DSM and ongoing electricity reforms
- Testimony of the Principal Secretary (Energy) to Government of Kerala and Managing Director, Kerala State Electricity Board (KSEB) Limited, about how the Forum has helped both Kerala State Government and KSEB to evaluate and implement DSM programmes
- Demonstration of DSM India portal (<http://dsm-india.org/>) and its key features to disseminate DSM-related information and knowledge

To access the detailed proceedings of the meeting, please click here [Tenth Meeting](#).

Eleventh meeting: August 2016

8

Utilities

7

Regulators

Theme

Smart grid enabled DSM solutions



New Delhi, August 2016



Key topics of presentations and discussion

Subject of discussion	Organisation
India smart grid history: Challenges and opportunities ahead	NSGM
Smart grid enabled DSM solutions	PwC
The communication challenge of AMI roll-out	ISGF
A case study on the automated demand Response (ADR) project in Delhi	TPDDL
A case study on smart meter and AMI roll-out	ISGF
A case study on IOT-based energy management initiative	TCS
Solar rooftop from DISCOM perspective	Deloitte

Key outputs

- A white paper on smart grid enabled DSM solutions

To access the detailed proceedings of the meeting, please click here [Eleventh Meeting](#).

First regional meeting



Mumbai, March 2016

Snapshot of the key presentations

Subject of discussion	Presentations and discussions	Organisation
1. Scaling up LED street lighting solutions integrated with CCMS technology for efficient operation and management of municipal street lighting infrastructure	EESL's experience in implementing LED street lighting projects	EESL
	Introduction to CCMS technology, potential and success stories	Kakatiya Energy Systems
2. Opportunities for scaling up energy-efficient ceiling fan technology	EESL's Domestic Efficient Fan Program—Narsapur case study	EESL
	Introduction to BEE 5 star rated energy-efficient ceiling fan technology	Indian Fan Manufacturers Association (IFMA)
3. Utility scale efficiency upgradation of irrigation pump sets—agriculture DSM	EESL's experience with pilot scale Ag-DSM projects	EESL
	Potential and challenges in scaling up Ag DSM solutions	Indian Pump Manufacturers Association
	GSM-based technology for efficient operation of IP sets	Khyatee Electronics
4. Tri-generation – opportunities and potential	Business case for tri-generation	EESL/GIZ
	Introduction to tri-generation technologies	Green Power International
	A case study on tri-generation technology adoption	PwC
	Energy optimisation using tri-generation	Indian Hotels Company

Key outputs

- Agreement between EESL and Municipality for implementation of LED street lighting project
- Agreement between EESL and Government of Maharashtra for distribution of smart energy-efficient irrigation pump sets

Second regional meeting



Jaipur, July 2016

Snapshot of the key presentations

Sessions	Presentations and discussions	Organisation
1. DSM opportunities and potential in Rajasthan, success of UJALA and introduction of EESL's tube light and fan programmes	DSM action plan, potential and opportunities	EESL
	EESL's experience with UJALA implementation in Rajasthan	EESL
	Introduction to energy-efficient lighting technology and case study on LED monument lighting project	Philips India
	Introduction to 5 star rated BEE energy-efficient ceiling fan technology	Indian Fan Manufacturers Association (IFMA)
2. Efficiency upgradation of agricultural pump sets: Agriculture DSM opportunities and potential	EESL's experience with Ag DSM projects	EESL
	Development of energy-efficient agricultural motors and pump sets	ERDA
	GSM-based technology for efficient operation and monitoring of IP sets	Khyatee Electronics
3. Energy efficiency retrofit programme in buildings and introduction to smart grid and its applications	Energy-efficient initiatives in the buildings sector	BEE
	A case study on the energy efficiency retrofit programme in government buildings	EESL
	Introduction to smart grid and its applications	EESL
	A case study on the demand response pilot project in Rajasthan	ICF

Key outputs

- Launch of energy-efficient ceiling fan and LED tube light programmes

Third regional meeting



Bhubaneswar, September 2016

Snapshot of the key presentations

Sessions	Presentations and discussions	Organisation
1. LED lighting solutions: DSM opportunities and potential	Significance of demand-side energy efficiency measures for Odisha	PwC
	EESL's experience with street Lighting National Programme	EESL
	Introduction to LED lighting technology and solutions for general lighting applications	Philips India
	Introduction to CCMS technology, potential and success stories	Kakatiya Energy Systems Pvt. Ltd.
2. Energy-efficient ceiling fans: DSM opportunities and potential	Introduction to BEE 5 star rated energy-efficient ceiling fan technology	Surya Roshni Limited
	Introduction to BLDC motor-powered ceiling fan technology	Atomberg Technology Pvt. Ltd.
3. Energy efficiency programme for buildings	Energy efficiency initiatives in the buildings sector	EESL
	Introduction to cloud-based energy management system	Ecolibrium Energy (P) Ltd

Key outputs

- Launch of energy-efficient ceiling fan and LED tube light programmes

Appendix A - List of participants

First meeting

1. Chairperson, Utility CEO Forum on Demand Side Management
2. Secretary, Central Electricity Regulatory Commission
3. Chief Operating Officer, Tata Power Delhi Distribution Limited
4. Sr. Executive V.P - Operations, Reliance Infra (Mumbai Distribution)
5. Additional V.P - DSM, Reliance Infra (Mumbai Distribution)
6. Head, Demand Side Management and Power Purchase, Tata Power (Mumbai Distribution)
7. Chief Engineer, R&D, Tamil Nadu Generation and Distribution Company
8. DGM - DSM, Bangalore Electricity Supply Company (BESCOM)

Second meeting

1. Chairperson, Utility CEO Forum on Demand Side Management
2. Chairman, Bihar Electricity Regulatory Commission
3. Principal Secretary (Energy and Finance), Government of Delhi
4. Principal Secretary to the Government of Haryana and CMD, Uttar Haryana Bijli Vitran Nigam Limited and Dakshin Haryana Bijli Vitran Nigam Limited
5. Chairman, Assam State Electricity Board and CMD, Assam Power Distribution Company Limited
6. Member, Uttar Pradesh Electricity Regulatory Commission
7. CEO, Tata Power Delhi Distribution Limited
8. MD, Energy Efficiency Services Limited
9. Senior Executive VP - operations, Reliance Infra (Mumbai distribution)
10. Executive Director, Calcutta Electric Supply Corporation (CESC) Limited
11. Additional VP - DSM, Reliance Infra (Mumbai distribution)
12. Former Additional Deputy, Comptroller Auditor General of India (retired)
13. Deputy Director Distribution, Andhra Pradesh Electricity Regulatory Commission
14. Advisor (RE), Central Electricity Regulatory Commission
15. Chief Engineer, Central Electricity Authority
16. Former Member, Central Electricity Authority
17. Programme Specialist, United Nations Development Programme
18. Superintending Engineer, Madhya Gujarat VIJ Company Limited
19. Superintending Engineer, Paschimanchal Vidyut Vitran Nigam Ltd
20. Superintending Engineer, Paschimanchal Vidyut Vitran Nigam Ltd
21. Executive Engineer, Jaipur Vidyut Vitran Nigam Limited
22. Project Engineer, Bureau of Energy Efficiency

Third meeting

1. Chairperson, Utility CEO Forum on Demand Side Management
2. Chairman, Haryana Electricity Regulatory Commission
3. Chairman, Karnataka Electricity Regulatory Commission
4. Chairman, Gujarat Electricity Regulatory Commission
5. CEO, Tata Power Delhi Distribution Limited
6. DGM, Tata Power Delhi Distribution Limited
7. Senior Executive VP - Operations, Reliance Infra (Mumbai distribution)
8. Additional VP - DSM, Reliance Infra (Mumbai distribution)
9. Managing Director, MP Ensystems Advisory Private Limited
10. Chief Commercial Officer, Central Electricity Supply Utility of Orissa
11. Former Member, Central Electricity Authority
12. Director (generation), Uttar Pradesh Electricity Regulatory Commission
13. Director (costing and licensing), Uttarakhand Electricity Regulatory Commission
14. Joint Director (engineering), Andhra Pradesh Electricity Regulatory Commission
15. General Manager, Operations, DHBVN, Rewari Circle, Uttar Haryana Bijli Vitran Nigam Limited and Dakshin Haryana Bijli Vitran Nigam Limited
16. Technical Consultant, Bihar Electricity Regulatory Commission
17. Director and Head - Lighting Application Services, Philips Electronics India Ltd.
18. General Manager – Infrastructure Key Accounts India Region, Philips Electronics India Ltd.
19. Director, Probyon Power Consultants
20. Assistant Manager (Tech.), Energy Efficiency Services Limited

Fourth meeting

1. Chairperson, Utility CEO Forum on Demand Side Management
2. Chairman, Bihar Electricity Regulatory Commission
3. Chairman, Tripura Electricity Regulatory Commission
4. Director General, Bureau of Energy Efficiency
5. Managing Director, Energy Efficiency Services Limited
6. Chairman, Kerala State Electricity Board
7. Chairman, Gujarat Energy Development Agency
8. Principal Secretary, Maharashtra Electricity Regulatory Commission
9. CEO, BSES Yamuna Power Limited
10. Additional General Manager, Tata Power Delhi Distribution Limited
11. Director, Joint Electricity Regulatory Commission
12. Director, Joint Electricity Regulatory Commission
13. Additional Vice President, Reliance Infrastructure Limited
14. Deputy Director, Maharashtra Electricity Regulatory Commission
15. Vice President, Customized Energy Solutions
16. Senior Energy Consultant, Customized Energy Solutions
17. President, Alliance for Energy Efficient Economy
18. Advisor, Alliance for Energy Efficient Economy
19. System Engineer DSM Cell, Uttar Gujarat Vij Company Limited
20. System Engineer, Madhya Gujarat Vij Company Limited
21. Former Member, Central Electricity Authority
22. Executive Engineer, Chamundeshwari Electricity Supply Corporation, Karnataka
23. Programme Associate, Alliance for Energy Efficient Economy
24. Greentree Building (P) Ltd
25. Asst. Energy Economist, Bureau of Energy Efficiency

Fifth meeting

1. Chairperson, Utility CEO Forum on Demand Side Management
2. Director General, Bureau of Energy Efficiency
3. Chairman, Madhya Pradesh Electricity Regulatory Commission
4. Chairman, Bihar Electricity Regulatory Commission
5. Chairman, Gujarat Electricity Regulatory Commission
6. Chairman, Haryana Electricity Regulatory Commission
7. Chairman, Karnataka Electricity Regulatory Commission
8. Member, Maharashtra Electricity Regulatory Commission
9. Director, Maharashtra Electricity Regulatory Commission
10. Managing Director, Uttar Gujarat Vij Company Limited (UGVCL)
11. Chairman & MD, Tripura State Electricity Corporation Limited
12. Additional VP, DSM and EE, Reliance Infrastructure Limited
13. Senior Executive VP, Business Development, Reliance Infrastructure Limited
14. Head of Group, Strategy, Tata Power Delhi Distribution Limited
15. Group Head, Demand Side Management and Assistant General Manager, Tata Power Mumbai Distribution Limited
16. Chief Engineer, Uttar Haryana Bijli Vitran Nigam
17. Advisor, Regulatory Services, BSES Yamuna Private Limited
18. Superintending Engineer, Madhya Gujarat Vij Company Limited
19. Assistant Energy Economist , Bureau of Energy Efficiency
20. Associate Director, UTC Climate, Controls and Security India
21. Senior Manager, UTC Climate, Controls and Security India
22. Managing Director, MP Ensystems Advisory Private Limited
23. Former Member, Central Electricity Authority

Sixth meeting

1. Chairperson, Utility CEO Forum on Demand Side Management
2. Principal Secretary, Power, Government of Haryana
3. Director General, Bureau of Energy Efficiency
4. Chairman, Bihar Electricity Regulatory Commission
5. Chairman, Tripura Electricity Regulatory Commission
6. Chairman, Haryana Electricity Regulatory Commission
7. Member, Haryana Electricity Regulatory Commission
8. Secretary, Central Electricity Regulatory Commission
9. Director, Joint Electricity Regulatory Commission
10. Director, Uttarakhand Electricity Regulatory Commission
11. Managing Director, Uttar Gujarat Vij Company Limited
12. Executive Director, Tata Power Mumbai
13. Additional VP, DSM and EE, Reliance Infrastructure Limited
14. Head of Department, Strategy, Tata Power Delhi Distribution Limited
15. Manager, Tata Power Delhi Distribution Limited
16. DGM, Tripura State Electricity Corporation Limited
17. SE, Madhya Gujarat Vij Company Limited
18. XEN, Jaipur Vidyut Vitran Nigam Limited
19. Energy Economist, Bureau of Energy Efficiency
20. Assistant Energy Economist , Bureau of Energy Efficiency
21. Vice President, Schneider Electric
22. GM, Schneider Electric
23. Analyst, IFC
24. Operations Officer, IFC
25. Managing Director, MPEnsystems Advisory Private Limited
26. AGM, MPEnsystems Advisory Private Limited
27. Programme Associate, PACE-D Technical Assistance Programme
28. Green Building Analyst, EDS Pvt. Ltd.

Seventh meeting

1. Chairperson, Utility CEO Forum on Demand Side Management
2. Chairman, Bihar Electricity Regulatory Commission
3. Director General, Bureau of Energy Efficiency
4. Member, Maharashtra Electricity Regulatory Commission
5. Member, Uttarakhand Electricity Regulatory Commission
6. Director, Joint Electricity Regulatory Commission
7. Joint Director, Uttar Pradesh Electricity Regulatory Commission
8. Joint Director, Delhi Electricity Regulatory Commission
9. Superintending Engineer, Jammu and Kashmir State Electricity Regulatory Commission
10. Managing Director, Kerala State Electricity Board
11. Managing Director, Jharkhand Bijli Vitran Nigam Limited
12. Head of Department, Strategy and Business Relations, Tata Power Delhi Distribution Ltd.
13. Head, Demand Side Management and Power Purchase, Tata Power Mumbai
14. Vice President, BSES Yamuna Power Limited
15. Superintending Engineer, Uttar Gujarat Vidyut Company Ltd.
16. Executive Engineer, Maharashtra State Electricity Distribution Co. Ltd
17. Executive Engineer, Madhya Gujarat Vij Company Limited

Eighth meeting

1. Chairperson, Utility CEO Forum on Demand Side Management
2. Chairperson, Haryana Electricity Regulatory Commission
3. Member, Haryana Electricity Regulatory Commission
4. Chairperson, Karnataka Electricity Regulatory Commission
5. Chairperson, Meghalaya Electricity Regulatory Commission
6. Chairperson, Telangana Electricity Regulatory Commission
7. Chairperson, Joint Electricity Regulatory Commission the state of Goa and Union Territories
8. Deputy Director, Chattisgarh State Electricity Regulatory Commission
9. Deputy Director, Chattisgarh State Electricity Regulatory Commission
10. Superintending Engineer, Jammu and Kashmir State Electricity Regulatory Commission
11. Managing Director, Purvanchal Vidyut Vitaran Nigam Limited
12. Vice President, BSES Rajdhani Power Limited
13. SE, Electricity Department, Puducherry
14. Executive Engineer, Electricity Department, Puducherry
15. Additional VP, DSM and EE, Reliance Infrastructure Limited, Mumbai
16. Head (DSM and Power Purchase), Tata Power Mumbai
17. Manager, Tata Power Delhi Distribution Ltd.
18. DGM (Commercial), Tripura State Electricity Corporation Limited
19. Deputy CE, Punjab State Power Corporation Ltd
20. Executive Engineer (Commercial), North Bihar Power Distribution Company Ltd
21. Executive Engineer, Maharashtra State Electricity Distribution Company Ltd.
22. Managing Director, Versa Drives Pvt. Ltd.
23. Deputy Chief of Party (Energy Efficiency), PACE-D Technical Assistance Programme
24. Managing Director, MP Ensystems Advisory Private Limited
25. Assistant General Manager, MP Ensystems Advisory Private Limited

Ninth meeting

1. Chairperson ,Utility CEO Forum on Demand Side Management
2. Chairperson & Chief Executive, Central Electricity Regulatory Commission
3. Chairman, Haryana Electricity Regulatory Commission
4. Chairman, Bihar Electricity Regulatory Commission
5. Member, Gujarat Electricity Regulatory Commission
6. Deputy Director (Engg.), The West Bengal Electricity Regulatory Commission
7. Superintending Engineer (Electric), Jammu & Kashmir State Electricity Regulatory Commission
8. Managing Director, Kanpur Electricity Supply Company Limited
9. Chief of Corporate Operations Management, Tata Power Company Limited
10. Head of group Business Services, Tata Power Delhi Distribution Limited
11. Manager, Tata Power Delhi Distribution Limited
12. Vice President , Reliance Infrastructure Limited
13. Chief Executive Officer, Reliance Energy
14. Executive Director ,Chhattisgarh State Power Distribution Company Limited
15. Senior General Manager, North Eastern Electricity Supply Company of Odisha Limited
16. Deputy Engineer (DSM), Madhya Gujarat Vij Co. Limited
17. Deputy Chief Engineer (DSM Cell), Brihan Mumbai Electric Supply & Transport Undertaking
18. Chief Engineer, Maharashtra State Electricity Distribution Co. Limited
19. Deputy General Manager, BSES Rajdhani Power Limited
20. Director General, Bureau of Energy Efficiency
21. Independent Expert and Energy Advisor, World Bank
22. Managing Director, MP Ensystems Advisory Private Limited
23. Manager, MP Ensystems Advisory Pvt. Ltd.
24. Director, Business Development & Strategic Consulting, Genesis Futuristic Technologies Limited
25. Managing Director, LEO Electronics

Tenth meeting

1. Chairperson,Utility CEO Forum on Demand Side Management
2. Chairman, Uttar Pradesh Electricity Regulatory Commission
3. Advisor Engineer, West Bengal Electricity Regulatory Commission
4. Chairman & Managing Director, Kerala State Electricity Board
5. Managing Director, Madhya Pradesh Poorv Kshetra Vidyut Vitran Co. Ltd.
6. Head of Group (Business Services), Tata Power Delhi Distribution Limited
7. Head of Department (DSM), Tata Power Delhi Distribution Limited
8. Addl. Vice President, Reliance Infrastructure Ltd.
9. Chief Executive Officer, BSES Yamuna Private Limited
10. Addl. Vice President, BSES Rajdhani Private Limited
11. Chief Electrical Engineer, Electricity Department, Goa
12. Resident Director, West Bengal State Electricity Distribution Co. Ltd.
13. Senior General Manager, Central Electricity Supply Utility of Odisha
14. Superintending Engineer, Uttar Pradesh Power Corporation Limited
15. Consultant to GM (DSM), Bangalore Electricity Supply Company
16. Secretary, Uttar Pradesh New and Renewable Energy Development Agency
17. Chief Operating Officer, Amber Enterprises
18. Senior Associate & India Program Manager, Regulatory Assistance Project

Eleventh meeting

1. Chairperson, Utility CEO Forum on Demand Side Management
2. Additional Chief Secretary (Energy), Government of Karnataka
3. Chairperson, Central Electricity Regulatory Commission
4. Chairperson, Punjab State Electricity Regulatory Commission
5. Chairperson, Arunachal Pradesh State Electricity Regulatory Commission
6. Chairperson, Bihar Electricity Regulatory Commission
7. Member, Gujarat Electricity Regulatory Commission
8. Member, West Bengal Electricity Regulatory Commission
9. Member, Uttar Pradesh Electricity Regulatory Commission
10. Managing Director, Purvanchal Vidyuth Vitran Nigam Limited
11. Addl. Vice President, Reliance Infra
12. AGM (ABT &MRT Cell), North Eastern Electricity Supply Company of Odisha
13. Head of Group (Business Services), Tata Power Delhi Distribution Limited
14. Manager , Tata Power Delhi Distribution Limited
15. Executive Engineer, North Bihar Power Distribution Company Limited
16. Executive Engineer, South Bihar Power Distribution Company Limited
17. Executive Engineer, Uttar Haryana Bijli Vitran Nigam Limited
18. Executive Engineer, Gulbarga Electricity Supply Company (GESCOM)
19. Executive Engineer, GESCOM
20. Chief Engineer, Central Electricity Authority of India
21. President & CEO, Indian Smart Grid Forum (ISGF)
22. General Secretary, ISGF
23. Director, National Smart Grid Mission
24. Business Head ,North India , Tata Consultancy Services
25. Head-Business Development, Secure Meters
26. Assistant General Manager, Secure Meters
27. Executive Manager, Energy and Resources, Deloitte India
28. Senior Manager, Energy and Resources , Deloitte India
29. Professor, IIT Mumbai

Regional Meetings

First meeting

1. Additional Secretary, Ministry of Power, Govt. of India
2. Principal Secretary, Govt. of Maharashtra
3. Director General, Maharashtra Energy Development Agency
4. Ambassador, Energy Efficiency Services Limited
5. Executive Engineer, Ulhasnagar Municipal Corporation
6. Dy. Engineer, Ulhasnagar Municipal Corporation
7. Jr. Engineer, Ulhasnagar Municipal Corporation
8. Amravati Municipal Corporation
9. Jhalna Municipal Corporation
10. Solapur Municipal Corporation
11. Mira Bhayandar Municipal Corporation
12. Navi Mumbai Municipal Corporation
13. Jalgaon Municipal Corporation
14. Nagpur Municipal Corporation (MC)
15. Pimpri Chinchwad MC
16. Vasai Virar City MC
17. Executive Assistant to MD, Gujarat Urja Vikas Nigam Limited
18. Vice-President, Reliance Infrastructure Ltd.
19. Addl Vice President, Reliance Infrastructure Ltd.
20. Senior Engineer (SE), Dakshin Gujarat Vij Company Limited
21. SE, Madhya Gujarat Vij Company Limited
22. SE, Uttar Gujarat Vij Company Limited
23. Junior Engineer, Paschim Gujarat Vij Company Limited
24. Chief Executive Engineer, Electricity Dept. Goa
25. Director (Operations), Dakshin Haryana Bijli Vitran Nigam Limited (DHBVN)
26. S.E. (Energy Audit), DHBVN
27. Manager,DSM, Tata Power
28. Deputy Secretary, Department of Urban Development, Govt. of Maharashtra
29. Energy Economist, BEE
30. General Manager, MEDA
31. Director, Kakatiya Energy Systems Pvt. Ltd.
32. President, Indian Pump Manufacturers Association
33. Member, Indian Pump Manufacturers Association
34. Director, KHYATEE Electronics Pvt. Ltd.
35. President, Usha International Limited
36. Vguard Pumps
37. Senior Vice President, Crompton
38. Manager-Sales, Green Power International Pvt. Ltd.
39. Miracle Electrical Solutions India Pvt. Ltd.
40. Asst. Vice President (BD), Darashaw
41. Darashaw & Co
42. Program Advisor, GIZ
43. Corporate Director, Technical Services, Taj Group of Hotels
44. Prayas
45. MPEN Systems
46. Professor, IIT Bombay
47. Research Scholar, IIT Bombay
48. Assistant Director, Energy Policy Institute at Chicago (India Center)
49. ICF International

Second meeting

1. Director, National Smart Grid Mission
2. Director (Tech.), Rajasthan Renewable Energy Corporation Limited (RRECL)
3. GM(EC), RRECL
4. Additional Chief Engineer, JDA
5. Director, RTDC Jaipur
6. GM(Works), RTDC Jaipur
7. Young Professional, RGAVP (Rajeevika)
8. Additional Chief Engineer, Public Works Department
9. AEN Electrical, Archaeological Museum
10. Deputy Engineer (Electrical), ADEMA Archaeological Department
11. HCM RIPA
12. Superintending Engineer, Public Health and Engineering Department (PHED)
13. Executive Engineer (EE), PHED
14. Superintending Engineer, PHED
15. EE(Urban Design), PHED
16. EE(CMI), PHED
17. Assistant Engineer, PHED
18. EE (D&S), PHED
19. Chief Engineer, Uttar Gujarat Viz Company Limited
20. Managing Director, Jaipur Vidyuth Vitran Nigam Limited (JVNL)
21. Company Secretary, JVNL
22. Executive Engineer, JVNL
23. Superintending Engineer, JVNL
24. AEN (Electrical), Ajmer Vidyuth Vitran Nigam Limited (AVNL)
25. AEN (Electrical), AVNL
26. Energy Auditor, AVNL
27. Executive Engineer, AVNL
28. Additional Chief Engineer, Jodhpur Vidyuth Vitran Nigam Limited (JdVNL)
29. Executive Engineer (SCADA), JdVNL
30. Assistant Manager, Electrical Research & Development Association
31. Assistant Energy Economist, Bureau of Energy Efficiency
32. Lighting Application Specialist, Philips India
33. Director, Khyatee Electronics
34. Manager, Khyatee Electronics
35. General Manager(Marketing), Surya Roshini Limited
36. Chief Manager – Marketing, Bajaj Electrical Limited
37. Assistant General Manager, Bajaj Electrical Limited
38. Senior Manager, Bajaj Electrical Limited
39. Dy. General Manager, Bajaj Electrical Limited
40. Chairman, Usha International
41. Manager, Larsen & Tubro Limited
42. Joint General Manager, Larsen & Tubro Limited
43. Sr. Manager, Wilo Mather & Platt Pumps Pvt. Ltd.
44. Regional Service Head, Wilo Mather & Platt Pumps Pvt. Ltd.
45. DM, Wilo Mather & Platt Pumps Pvt. Ltd.
46. ASM, Wilo Mather & Platt Pumps Pvt. Ltd.
47. Product Head, V-Guard Industries Limited
48. Director, 3E Solutions
49. Representative, Pyrotech
50. Partner, VSU Energy Services
51. Veer Electronics
52. State Coordinator, USAID
53. Dy. Manager, USAID
54. Director, Desire Energy
55. AM, EPIC India
56. Assistant Policy Analyst, CUTS International
57. Research Associate, CUTS International
58. Associate Director, CUTS International
59. Research Associate, J-PAL South Asia
60. COO, Aqualyng
61. Managing Person, D 20
62. Creative Director, D 20
63. Manager, KPMG
64. Senior Associate, ICF International
65. Boston Consulting Group
66. Representative from Local Farmer Association

Third meeting

1. Special Secretary, Ministry of Power,
2. Principal Secretary, Dept of Energy , Govt. of Odisha
3. Secretary, Dept of Energy, Govt. of Chhattisgarh
4. Addl. Secretary, Dept. of Energy, Govt. of Odisha
5. OSD, Dept. of Energy, Govt. of Odisha
6. Senior Engineer (Bldg.), Works Department
7. Chairman & Managing Director, GRIDCO & Odisha Power Transmission Corporation Limited (OPTCL)
8. Director, Grid Corporation of Odisha (GRIDCO)
9. Chief Operating Officer, Western Electricity Supply Company of Odisha ,(WESCO)
10. Authorized Officer, WESCO
11. Manager-Energy Audit Cell, WESCO
12. Authorized Officer, North Eastern Electricity Supply Company of Odisha, (NESCO)
13. Chief Operating Officer, NESCO
14. Sudip Mishra Manager (RA), NESCO
15. Manager (Project), NESCO
16. Manager (RA), NESCO
17. CEO, Central Electricity Supply Utility of Odisha, (CESU)
18. SGM (AT&C), CESU
19. Superintending Engineer CESU
20. Executive Engineer, CESU
21. Manager (Elect.), CESU
22. Chief Operating Officer, Southern Electricity Supply Company of Odisha (SOUTHCO)
23. Chief General Manager, SOUTHCO
24. Executive Engineer, SOUTHCO
25. AGM (Comm.), SOUTHCO
26. Executive Engineer, SOUTHCO
27. Dy. Manager (Elect.), SOUTHCO
28. Engineer-in-Chief, State Development Agency, (SDA), Odisha
29. Superintendent Engg., SDA, Odisha
30. Sr. Engineer, SDA, Odisha
31. Asst. Executive Engineer, SDA, Odisha
32. PDA, OUIDF
33. Dy. Director, NPC Odisha
34. Asst. Director, NPC Odisha
35. Joint Director, PCRA, Odisha
36. Vice President-Fans, Surya Roshni
37. Co-Founder, Atomberg Technologies
38. Versa Drives
39. Managing Director, Kakatiya Energy Systems
40. Ecolibrium Energy (P) Ltd.
41. Philips India Ltd.
42. Professor, IIT- Bhubaneshwar
43. Research Scholar, IIT- Bhubaneshwar
44. Professor,CET Bhubaneshwar
45. TERlok
46. Director, BIPros
47. BIPros
48. Sr. Consultant, Power Tech Consultants
49. Anandpur Municipal Corporation (MC)
50. Angul MC
51. Aska MC
52. Atabira MC
53. Balasore MC
54. Balimela MC
55. Balugaon MC
56. Bargarh MC
57. Baripur MC
58. Barpali MC
59. Bhadrak MC
60. Bhuban MC
61. Boudhgar MC
62. Buguda MC
63. Chikiti MC
64. Choudwar MC
65. Daspalla MC
66. Deogarh MC
67. Digapahandi MC
68. Ganjam MC
69. Gopalpur MC
70. Hindol MC
71. Jharsuguda MC
72. Kamakhya Nagar MC
73. Kashinagar MC
74. Kemshir MC
75. Khandepan MC
76. Konark MC
77. Pralakhemundi MC
78. Polsara MC
79. Purushottamnagar MC
80. Rajgangpur MC
81. Rayagada MC
82. Sundergarh MC
83. Surada MC
84. Talcher MC
85. Umarkote MC
86. Vyasaganagar MC

Participants from the secretariat for Forum and regional meetings

Shakti Sustainable Energy Foundation

1. CEO
2. Chief of Programs
3. Sr. Programme Manager (Power)
4. Programme Manager (Building and Appliances)
5. Sr. Programme Associate (Electric Utilities)
6. Programme Associate (Electric Utilities)

PricewaterhouseCoopers India

1. Partner (Energy, Utilities and Mining)
2. Director (Energy, Utilities and Mining)
3. Manager (Energy, Utilities and Mining)
4. Sr. Consultants (Energy, Utilities and Mining)
5. Consultants (Energy, Utilities and Mining)

Energy Efficiency Services Limited

1. Managing Director
2. Director (Finance)
3. General Manager
4. DGM (BD & Contracts)
5. Programme Co-ordinator
6. Company Secretary
7. National Program Manager
8. Project Manager
9. Deputy Manager
10. Assistant Manager
11. Regional Manager
12. Principal Consultant
13. DSM Consultant
14. Engineer (Technical)

About

Shakti Sustainable Energy Foundation

Shakti Sustainable Energy Foundation works to strengthen the energy security of the country by aiding the design and implementation of policies that encourage energy efficiency, renewable energy and sustainable transport solutions, with an emphasis on sub sectors with the most energy saving potential. Working together with policy makers, civil society, academia, industry and other partners, we take concerted action to help chart out a sustainable energy future for India (www.shaktifoundation.in).

Energy Efficiency Services Limited

Energy Efficiency Services Limited (EESL), established as a Joint Venture of National Thermal Power Corporation Ltd. (NTPC), Power Grid Corporation of India Ltd. (PGCIL), Power Finance Corporation (PFC) and Rural Electrification Corporation (REC) aims at unlocking the energy efficiency and demand side management (DSM) potential and implement large-scale energy efficiency projects. It seeks to create market access, particularly in the public facilities (municipalities, buildings, agriculture, industry etc.), implement innovative business models, handhold private sector Energy Service Companies (ESCOs) in an effort to ensure replication. EESL is registered under the companies Act, 1956 on 10th December 2009 and the commencement of business certificate is obtained on 11th February 2010.

PwC

PwC is a professional services firm offering a comprehensive portfolio of Advisory, Assurance and Tax & Regulatory services. The Government Reforms and Infrastructure Development (GRID) practice of PwC India provides services across government as well as private sectors, with specialists assigned full-time in the group. For over 20 years, we have been part of the national and state-level reform programs, which include areas such as power, Clean Energy, infrastructure, fiscal and governance, pension and insurance, education and health, social, and municipal sectors.

The views and analyses represented in this document do not necessarily reflect that of Shakti Sustainable Energy Foundation. The Foundation accepts no liability for the content of this document, or for the consequences of any actions taken on the basis of the information provided.

This is for private circulation only



SHAKTI
SUSTAINABLE ENERGY
FOUNDATION

SHAKTI SUSTAINABLE ENERGY FOUNDATION

104B/2, Fourth Floor, The Capital Court,
Munirka Phase III, New Delhi 110067