



IESA
India Energy Storage Alliance

2nd

Technical Study Tour

15th - 20th April

Mumbai | Vadodara | New Delhi



India Energy Storage Alliance (IESA) invites you to join 2nd comprehensive technical study tour to evaluate the potential of India's emerging markets for energy storage technologies.

Tour Highlights

Meet over 70 key stakeholders from the following government & industry sectors

Regulatory / Government

- Ministry of New and Renewable Energy
- Central Electricity Regulatory Commission
- Planning Commission
- Ministry of Power
- Central Electricity Authority

Utilities / Industry Associations

- Indian Merchants' Chamber
- Indian Wind Energy Association
- Alliance for an Energy Efficient Economy
- Indian Energy Exchange
- Gujarat Energy Development Agency
- Private and state owned utilities across Mumbai, Gujarat and Delhi

IESA Knowledge Partner Network Meetings

- Private Power Distribution Companies
- Telecom Sector opportunities
- Financial Institutions
- Automobile Companies
- Research Groups

“Feedback from 1st Tour” 28th Oct - 3rd Nov 2012

“The tour simply was excellently organized. Clearly the IESA team had put a tremendous amount of effort into ensuring that we had access to key decision makers so as to facilitate for us a clear view across the marketplace. There was a lot of value packed into each day.”



John Wood
CEO, Ecoult

“It was very valuable to get in front of the key energy ministers, utility, and IPP directors/managers to understand the needs and requirements of the Indian energy market. It was invaluable to learn about the market drivers and specific pain points that the Indian energy market requires. This tech tour has allowed us, in a very short, condensed and cost effective manner to get a deep evaluation and assessment of the energy storage opportunities in India.”



Brett Pingree,
Sales Manager
Dynapower

The second technology study tour builds on the findings of the first tour and will be a more focused effort on interactions with the user community with dedicated round tables involving the key stakeholders in the renewable & real estate developer communities in Gujarat, and large C&I customers, Automobile companies, financial institutions & many more in Mumbai, apart from the statutory government & regulatory bodies in New Delhi.

Detailed Itinerary

Day 1: Monday 15 April - Mumbai

09:00 – 10:00 Orientation
The delegates would be given an overview presentation of the status of EES technologies' adoption and roadmap in India and the potential opportunities therein.

Tour Collateral given to the delegates would include;

1. Details of organizations being met in Mumbai, Gujarat and New Delhi
2. Details of Hotels with address and telephone number
3. Local embassy details with address and telephone number, and route map

Hotel Taj Land's End, Mumbai

10:00 – 10:15 *Tea and Refreshment Break*

10:15 – 10:30 Welcome address by Dr. Rahul Walawalkar, Executive Director, IESA

10:15 – 17:00 Day long networking and round table
Discussions with Utilities, IPPs, Industry Associations and Financial Institutions etc.

10:30 – 12:00* Round table discussions with key Stakeholders from the Government of Maharashtra and Private utilities (T&D Companies, Regulators, Regional Load Despatch Centers)

**Tea and refreshments break
Between 11:00 11:15*



Maharashtra State Electricity Distribution Company Limited (MSEDCL)



Maharashtra Electricity Regulatory Commission (MERC)



Western Region Load Despatch Center



TATA Power



Reliance Infrastructure

12:00 – 16:00* Round table discussions with key Industrial bodies and associations for opportunities in Commercial and Industrial Applications, IT, Automobiles, Component manufacturing

**Networking Lunch break
between 13:00 14:00*



Indian Merchants Chamber



Confederation of Indian Industries



Federation of Indian Chambers of Commerce and Industry



Mahratta Chamber of Commerce, Industries and Agriculture

Contd...

Detailed Itinerary

Day 1: Monday 15 April - Mumbai...contd

16:00 – 17:00 IESA- KPN round table discussion
(Financing Energy Storage in India)



ICICI Ventures



Infrastructure leasing and financial services



USIBC Finance Committee

17:30 – 19:30 Networking reception jointly organized by IESA and USIBC (US India Business Council) Finance Committee



Day 1 Ends

Day 2: Tuesday 16 April - Mumbai

09:00 – 10:00 *Breakfast at Hotel*

10:00 – 17:30 Full day networking and round table discussions with Telecom Companies, Financial institutions, System Integrators, Automobile Companies, and attending the “Ecobuild” conference as gold pass delegates.

This conference is attended by key SEZ / Township developers

10:00 – 13:00 IESA- KPN round table discussion
(System Integrators, Automobile companies & Telecom Panel)



John Deere

JOHN DEERE



Tata Motors

Telecom Infrastructure Panel



Mahindra Reva



Cummins

13:00 – 14:00 **Networking Lunch**

15:00 – 17:00 Participating in the session
“Leadership towards achieving a low Carbon society” conducted by IESA



Ecobuild India

The Ecobuild conference is an effective marketing platform for suppliers of sustainable & innovative construction products & services, attended by key organizations in design and construction of sustainable green buildings

20:20 – 21:20 Transfer to Ahmedabad, Gujarat



Jet Konnect Airlines S2 4323

Transfer by road from Ahmedabad to Vadodara

Day 2 Ends

Detailed Itinerary

Day 3: Wednesday 17 April - Ahmedabad and Vadodara, Gujarat

09:00 – 10:00 *Breakfast at Hotel*

10:00 – 13:00 Round table discussions with key stakeholders in the Energy Storage sector from the Government of Gujarat

*Tea and refreshment break between 10:30 10:45



Gujarat Energy Development Agency



Uttar Gujarat Vj Company Ltd.

Uttar Gujarat Vij Company Limited



Gujarat Infrastructure Development Board



Gujarat Electricity Regulatory Commission



Gujarat Urja Vidyut Nigam Limited



Gujarat Urban Development Company



Adani Power



Torrent Power



Gujarat International Finance Tec-City (GIFT) City



Dholera SIR

15:00 – 17:00 Half day session on Energy Storage at SmartElec 2013, a Smart Grid conference in Vadodara jointly being arranged by GETCO (Gujarat Energy Transmission Corporation Limited) and Fairact. IESA is also the supporting organization for this event.

smartelec2013

Smarter Equipments for Smart Grid

Conference organised by FairAct with GETCO as Knowledge Partner

20:05 – 21:30 Transfer to New Delhi



Indigo Airlines 6E 488

Day 3 Ends

Day 4: Thursday 18 April - New Delhi

09:00 – 10:00 *Breakfast at hotel*

10:00 – 13:00 Attending the 4th Clean Energy Ministerial conclave during the first half of the day and South Asian Cities Summit conference in the afternoon



Innovation Showcase Pavilion

Detailed Itinerary

Day 4: Thursday 18 April - New Delhi contd.

13:00 – 14:00 Lunch

14:00 – 17:00* South Asian cities Summit

**Tea and refreshments break
Between 15:30 - 15:45*



Day 4 Ends

Day 5: Friday 19 April - New Delhi

09:00 – 10:00 Breakfast at hotel, Venue - Taj Palace, New Delhi

10:00 – 12:00 Government, Regulatory, Statutory bodies round table



Central Electricity Regulatory Commission



Ministry of New and Renewable Energy



Planning Commission



Ministry of Power



Central Electricity Authority



Bureau of Energy Efficiency

12:00 – 13:00 Government Financial Institutions roundtable



Indian Renewable Energy Development Agency



Rural Electrification Corporation



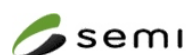
Power Finance Corporation

13:00 – 14:00 *Networking Lunch*

14:00 – 15:00 IESA- KPN round table discussion with renewable developers (Wind & Solar)



Indian Wind Energy Association



Semiconductor Equipment and Materials International



Solar Energy Society of India

Contd...

Detailed Itinerary

Day 5: Friday 19 April - New Delhi contd.

15:00 – 15:15 *Tea and refreshments break*

15:15 – 17:30 Key Government Initiatives Panel



National Automotive Testing and R&D Infrastructure Project (NATRiP)



Jawaharlal Nehru National Solar Mission (JNNSM)



Delhi Mumbai Industrial Corridor



Indian Smart Grid Forum



Solar Energy Commission

17:30 – 19:30 Reception hosted jointly by IESA and USIBC (US India Business Council) Energy Committee



Day 5 Ends

Day 6: Saturday 20 April - New Delhi

08:30 – 09:30 *Breakfast at Hotel*

10:00 – 17:00 **Day long networking sessions and round tables.**

10:00 – 13:00* IESA- KPN round table discussion with key Industry Association Members



Alliance for an Energy Efficient Economy

*Tea and refreshments break
At 11:15 11:30



International Copper Promotion Council India



Confederation of Indian Industry



Federation of Indian Chambers of Commerce and Industry

13:00 – 14:00 *Networking Lunch*

14:00 – 17:00* IESA Round table: Role of Energy Storage in T&D Applications and Micro Grid Opportunities



Power Grid Corporation of India Limited



BSES Yamuna



BSES Rajdhani



Tata Power Delhi Distribution Limited



Noida Power Company Limited

Tour Ends

About Registration

Registrations are available for

- Guest Delegates
- Members of Strategic Partner Organizations
- IESA Associate Members
- IESA Executive Members

Tour registration Fees cover the following:

- Local travel by air conditioned bus / taxi at all locations
- Accommodations at 5 Star hotels at all locations
- Breakfast, lunch & dinner on all touring days
- Airport Transfers on arrival
- All internal Flight costs
- Internet at the hotel room
- Executive summary report on Energy Storage
- Market Opportunities in India
- Complimentary IESA KPN (Knowledge Partner Network) Membership for 6 months

For further information please contact:

Dr Rahul Walawalkar, CEM CDSM
Executive Director

India Energy Storage Alliance,

Email: rwalawalkar@ces-ltd.com

Phone: US & International: +1.516.639.5391

India: +91.950.303.1765

 :India Energy Storage Alliance

 :IndiaESA

India Energy Storage Alliance Knowledge Partner Network

In line with the founding philosophy of IESA to be a level platform for accurate knowledge exchange aiding in informed decision making, IESA has launched the Knowledge Partner Network. IESA Knowledge Partner network has identified number of key industry segments that can benefit from adoption of energy storage technologies and has already started enlisting members to take part in this alliance not only broaden the vision, but help realize the key goal of this alliance. A representative list of the industry segments catered by IESA - KPN include:

1. Renewable developers and technology providers including wind and solar
2. Telecom Service providers
3. System Integrators
4. Commercial & Industrial customers
5. Hospitals and Shopping Malls
6. Utilities, transmission and distribution companies, IPPs
7. Engineering equipment and service providers
8. Academic Research and Development groups
9. Financial institutions
10. Automobile companies
11. SEZs / Townships

IESA would be conducting events in March to pre-screen KPN members from the above sectors, and such members would partake in the round table discussions during the tour. This is being done to maximize the value addition that delegates can leverage from the tour.

Confirmation of delegate participation is subject to availability. Please note that due to logistics, the delegation is limited to 25 only.

Disclaimer: The meetings, times, venues, flight plans, lunch and dinner plans, transfers are subject to change to accommodate any unforeseen circumstances.

Strategic Partners



The India Energy Storage Alliance maiden technical study tour ends, and begins the Indian Energy Storage roadmap

The India Energy Storage Alliance (IESA) has successfully completed its week long maiden technical study tour on Saturday, the 3rd of November, at Lavasa. This tour comprised of delegates in decision making capacities from leading storage technology manufacturers, battery technology integrators and PCS manufacturers, etc., from USA and Australia, and covered Delhi, Mumbai and Lavasa (Pune).



Delegates and the IESA Team at Lavasa

The numerous meetings on this tour were very insightful into the irrefutable and immediate need for storage in India for various grid and off-grid applications. Some of the key meetings at New Delhi where the delegates were given first-hand information about the policy framework by the Central Electricity Regulatory Commission, the funding mechanism by the Indian Renewable Energy Development Agency and Rural Electrification Corporation, the current and future roadmap by the Planning Commission of India and the Ministry of New and Renewable Energy, were very interactive in nature with a rich mutual exchange of information.

The one day roundtable discussions conducted at all three locations also were a testimonial to the need for storage, and were attended in full numbers by the various potential segments like Solar, Wind,

Telecom, SEZs / Townships, etc., where the advantages of storage can be best leveraged. During these discussions, the delegates presented various implementation scenarios and the best practices around the world, giving the invitees a broader scope of the current and future possibilities.

The technical study tour has been successful, both from the delegate and the attendees perspective, but the true success of this tour is that it is a beginning for the advent of Energy Storage in India. IESA would be releasing a full report on the various aspects covered during this eventful, weeklong fact finding technical study tour.

For more information and updates, please visit www.indiaesa.info



Delegates and the IESA Team at Mumbai



Delegates and the IESA Team at New Delhi