

DH-5 Lok Adalat from Feb 13

BENGALURU, DHNS: The Karnataka State Legal Services Authority will organise monthly National Lok Adalats from February to September 2016 across the State.

The adalat will be held in 15 districts - Bengaluru Urban, Bengaluru Rural, Ramanagara, Chitradurga, Davangere, Kolar, Chikkaballapura, Shivamogga, Tumakuru, Belagavi, Haveri, Bagalakot, Uttara Kannada, Dharwad and Gadag on February 21 and on February 13 in the remaining districts.

As per the schedule, on February 13 matters related to bank, Section 138 of the Negotiable Instruments Act, recovery suits etc (pending and prelitigation matters) will be heard. On March 12, matters related to civil and revenue cases; on April 9,

matters related to labour and family; on June 11, MACT (motor accident claims tribunal) and insurance claims; on July 9, matters related to electricity, water, telephone, public utility disputes; on August 13, matter related to Section 138 of Negotiable Instruments Act, recovery suits etc (pending and prelitigation matters); on September 10, matters related to criminal compoundable matters and on October 8, matters related to traffic and municipal matters will be heard. In the National Lok Adalat held between February and December 2015, a total of 2,97,537 pending cases and 34,59,796 pre-litigation cases were heard and a total of 37,57,330 disputes were settled. An amount of Rs 1,91,74,00,175 was settled in 2015.

THE HINDU Page no: 3 10/2/16 Power disruption

STAFF REPORTER

BENGALURU: There will be no power supply on Friday between 10 a.m. and 5 p.m. in the areas fed by 66/11 KV Vrishabhavathi MUSS due to line clearance work. According to a Bescom release, the areas that will be affected are: Pan-

tharapalya, Mysuru Road, Pramod Layout, Reddy Layout, ITI Layout, Gurusarva-bowma Layout, Muthurayana-gar, Forest Layout, Marappa Layout, Dodda Kempaiah Layout, Subhash Bhavan, DIET College, Kenchenahalli, Janapriya Layout, BHEL' Layout, Shankarappa Layout, Mysandra and Kengeri.

THE HINDU

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DH-10 India shining

Sir, Apropos "Sunny time for solar energy" (DH, Feb 09). The launching of Solar Alliance, probably one of Prime Minister Narendra Modi's most important initiatives, has got a much-needed push. India is fortunate that it is blessed with sunlight for most part of the year and it is only logical that we tap solar energy to supplement other non-renewable energy resources. However, greater research should be aimed at making solar panels more efficient and cost effective. It is a wise move on the part of the government to increase the capital subsidy for rooftop solar plants.

H R BAPU SATYANARAYANA, Mysuru

Wind power still remains upbeat

DC CORRESPONDENT
MUMBAI, FEB. 9

With a significant number of industries having tepid order books, the renewable energy sector is doing well. Whether it's the leader of the sector Suzlon or Gamesa India headquartered in Spain, the mood is upbeat.

Mr Tulsi Tanti, the chairman of Suzlon Group, says, "There is a market opportunity of \$150 billion in the next five years with the government having set a target of 1,75,000 mgw of renewable energy to be installed by 2022."

The present installed capacity is over 35,000 mw, which translates into an annual target of 24,000 mgw. "As at the end of 2015, India has a total of 25,088 MW wind energy installed capacity of which Suzlon has installed approximately 9,000MW of this, which translates into 35 per cent of the market share," he said.

Underlining the sector's growth is the latest order that Gamesa India, the leading renewable energy company has got for a new 50 mw wind power

■ **THERE IS** a market opportunity of \$150 billion in the next five years with the government having set a target of 1,75,000 mgw of renewable energy to be installed by 2022, says Suzlon chairman Tulsi Tanti.

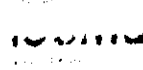
project with Atria Power in Kukru wind farm in Madhya Pradesh. Gamesa has so far installed 2,500 Mw of wind energy annually. "This project is a part of Gamesa India's consolidated order book for the fourth quarter of 2015 and forms part of 130MW order book which was recently announced globally," said Ramesh Kymal, chairman and managing director, Gamesa India.

Inox Wind commissioned one of the largest wind turbine orders in India for a single wind power project - the 170 mw for Continuum Wind Energy and signed 24 mw repeat order. It is advanced discussions for further repeat orders, said Kailash Tarachandani, CEO of Inox Wind.



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Anil Kumar Sharma
Chairman, ELEC RAMA 2016
Organising Committee

As the business ministry, we are aware of the key issues the manufacturers are grappling with in their pursuit of growth and we're working very closely to support the industry with a positive fiscal, policy and regulatory environment. It's happy to observe that the Indian industrial economy is showing a number of growth drivers by starting and continuing with ELEC RAMA 2016, and it would be to appreciate the organizers for including the program of Network to Network which would be a valuable investment for the business community and the nation. This I am sure, would create a productive, profitable relationship that will lead to economic growth and employment. I wish IEEMA and ELEC RAMA all the very best for a successful event.

Ravi Jadhav,
Finance Minister, Government of India

Through the years, ELEC RAMA has remained relevant and evolved to introduce newer and innovative additions that reflect the needs of the electrical equipment industry. Network to Network is another new interesting addition to ELEC RAMA that focuses on the critical investment and growth needs of the industry. Top financial bodies will be interfacing with the industry for capital advisory and debt financing requirements. ELEC RAMA 2016 will see a whole new suite of events that will reflect the emerging scenario in the power ecosystem. World Open Summit for the global utilities and an international T&D conference for working technologies in the T&D business are among them.

POWERING THE POWER STORY THROUGH FINANCIAL ENGINEERING

The adjustment climate is finally turning positive in the power sector. The government has set a target of adding 33,000 MW in the 12th Five Year Plan (2012-17) and has set a target of adding 40,000 MW in the 13th Five Year Plan (2017-22). The industry is making good progress during the period April 2012 to March 2015. The industry has set a target of adding 30,000 MW in the 12th Five Year Plan (2012-17) and has set a target of adding 40,000 MW in the 13th Five Year Plan (2017-22). The industry is making good progress during the period April 2012 to March 2015. The industry has set a target of adding 30,000 MW in the 12th Five Year Plan (2012-17) and has set a target of adding 40,000 MW in the 13th Five Year Plan (2017-22). The industry is making good progress during the period April 2012 to March 2015.



Babu Behera
President, IEEMA

As the world's third largest producer of electricity and over the scale of India's ambitious plans to add 700 Giga-watts to its capacity in the next 15 years, the fuel and technology adoption choices impact the global dynamics in this sector. The edition of ELEC RAMA will meet Government of India's Make in India and I2D4 programs in a big way and reinforce IEEMA's commitment to assist our nation's economic growth. With every edition, there is something new and buzzing. The 12th edition of ELEC RAMA 2016 will be the first time feature WORLD UTILITY SUMMIT - a unique global platform like no other where we are looking at interacting with CEOs of more than 50 global utilities to get their experiences and best practices being adopted across the globe.

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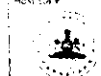
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ROUND TABLE MEETING
Energy Secretaries of Indian states and CEOs of State Distribution Companies (Discoms)



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Renewable Energy and Innovation Day



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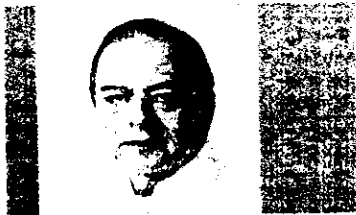


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MESSAGE FROM THE FINANCE MINISTER



"I am happy to observe that the Indian electrical industry is coming together to showcase its strengths and capabilities with E. ECRAMA-2016, and I would like to appreciate the organizers for including the program of 'Network to Network' which would be a valuable initiative for the finance community to understand the industry dynamics and vice versa. This I am sure, would create a productive, symbiotic relationship that will lead to economic growth and employment. I wish ISEMA and ELECHEMA to do the very best for a successful event."

Shri. Arun Jaitley
Finance Minister, Government of India

The economics and financial aspects of electricity business with **NETWORK TO NETWORK**



ROUND TABLE MEETING of Energy Secretaries of States and CEOs of State Electricity Utilities



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Ministry of Power
GOVERNMENT OF INDIA

Plan for Storage in 750-MW AP Solar Project

It is the first hybrid SECI tender, in which each bidder has to offer battery storage

EXT VIEW

Storing Up On Storage Technology

Technological advances in storage is essential for the diffusion and deployment of solar energy. Including storage facility as part of the tender can push solar power developers to invest in this crucial element, or tie-up with developers working on storage facilities. A commercial interest in storage could see the necessary investment in R&D as well.

New Delhi: India's solar energy programme is taking the next big step forward by including storage facility in a project being offered, which will raise the costs but set India's ambitious renewable energy programme on a firm footing.

For the first time, solar storage will be part of a tender the Solar Energy Corporation of India (SECI) will float in the next few days for 750 MW of installed capacity at Anantapur Solar Park in Andhra Pradesh. It is the first hybrid tender of the SECI, in which every bidder will have to include a small storage system alongside its solar plant, adding up to a total of 100 MW installed storage capacity. "This tender is probably the first of its kind in the world," said Ashvini Kumar, Managing Director, SECI. "It will be a normal tender, but as a technical specification, we will ask for battery storage."

Though their costs have rapidly come down, a big drawback of solar and wind energy is their 'intermittent' or 'erratic' nature - they can be produced only when the sun shines or the wind blows hard. Hence storing the power produced is vitally important so as to make it available round the clock. Yet almost none of the solar plants set up so far include storage. This is because storage costs have yet to come down the way production costs have done in recent years. So far, as renewable energy use has grown, the focus in India has mostly been on quick evacuation of the power produced to the grid rather than storing it.

K S Popli, Chairman, Indian Renewable Energy Development Agency (IREDA), said the average storage battery costs about \$450 per kwh, which will raise the cost of power. "But at the same time, as renewable capacity increases, the integration process

will have to be smoothened and storage will be a necessity. It is expected that in the next few years as the demand for storage rises and the technology improves, prices will fall."

Mechanisms for forecasting how much renewable power will be available each day (and informing the grid in advance) are being put in place. "Developers will have to work out how much deviation is there and how much it will be reduced by battery storage," said Kumar of SECI.

"You have to go beyond the present stage of technology. This tender may trigger many more similar ones in future."

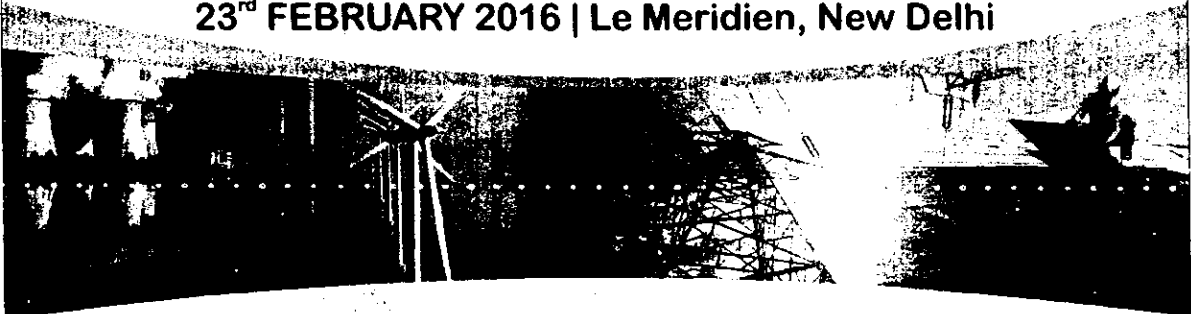
Naturally, he expects the bids received to quote prices much higher than in the ₹4-5 per unit band that other solar bids in the recent past have thrown up. They will also be eligible for Viability Gap Funding (VGF)

"At present, consumers will have to pay higher tariffs for stored power," said Kameswara Rao, Partner - Energy & Utilities, PwC India. "The expectation is that storage cost will decline as has been the case with solar and LEDs." A number of leading global tech firms have been working on cheaper storage.

ET 10/02/16

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