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INTERNATIONAL CONFERENCE ON WIND ENERGY

Wind Energy: 20 by 2020

CHALLENGES & OPPORTUNITIES AHEAD IN INDIA

February 11-12, 2010

India Habitat Centre, New Delhi

The vision is to main stream Wind Energy IN INDIA as a commercially viable utility scale power plants with 20% grid penetration by 2020 by ADDRESSING the key & critical technical or policy related or capacity building issues ahead and creating a road map.

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Helping mankind with energy from nature

Clobal warming is no longer a scientific theory but a practical reality. It is the responsibility of every citizen to understand the implications and initiate actions to reduce the impact.

While multiple options exist to reduce global warming, one of the best solutions is the use of increasing proportion of renewable sources of energy and reduced dependence on fossil fuels. Of the various renewable energy sources, wind energy has matured over the period of years, refined and commercially exploited. While wind energy has already attained the position as the major source of renewable energy, its full potential has not been exploited due to various technological and institutional barriers. Breaking these barriers and accelerated exploitation of wind energy in the near future will be key to energy security and to mitigate global warming. The Indian Wind Power Association on its part would like to play a pivotal role by bringing to fore the key issues confronting this sector. By conducting WE 20 by 2020 every year, it hopes to bring the best from across the Globe & India both in terms of technology and best practices to lend corrective support to the Indian wind energy sector to achieve 20% grid penetration by 2020.

While tax breaks and carbon credits make the business more attractive, players are now looking beyond these when wind energy has matured and has the potential to be a core energy source. Wind energy today makes a good business sense and has the potential to be on par with other energy businesses.

For a developing country like India, with growing energy demand, mounting pressure on sustainable development and with large wind potential, it is imperative to initiate actions by which wind energy graduates from being a niche/marginal energy source to a core energy source.

The vision is to increase the penetration of wind energy and initiate actions as to achieve a 20% contribution of India's total energy requirements by 2020.

Three key enablers have been identified that would facilitate this graduation from being a marginal energy source to a core energy source:

- Technology
- ▶ Policy & Regulation
- Asset Management

The conference aims at bringing together stake holders in each of the areas and creates a platform for discussing the actions that needs to be initiated in each of the areas.

Various topics to be covered under the broad subject areas would include:

Technology

- Multi MW WTG
- WTG Design for Low Wind and Weak Grids
- Grid Interfacing
- Control & Protection
- Power Evacuation
- R&D
- Indigenization of WTG

Policy & Regulation

- Creating Talent Pool/ Capacity Building
- Renewable Purchase Standard
- Renewable Energy Certificate
- Tariff
- Open access
- Power Trading
- Market Mechanisms& System Operation Design
- DOM & CER's
- SEZ / Windparks

Management Asset

- Scheduling Wind
- Wind forecasting
- Project Due
 Diligence/Certification
- Infrastructure & Services
- Predictive maintenance
- Advanced maintenance practices
- ▶ Talent Pool

Advisory Panel

The Conduct of the Conference and Exhibition will be guided by a panel of experts comprising of the following:

- Mr K.P.Sukumaran, Advisor, MNRE, New Delhi
- Dr Gomathynayagam, Executive Director, C-WET, Chennai
- Dr Debashish Mazumdar, Managing Director, IREDA, New Delhi
- Dr V.Bhaktavatsalam, Energy Consultant, New Delhi
- Mr Banmali Agrawala, Executive Director, Tata Power, Mumbai
- Mr Mahesh Makhija, Vice President Renewables, CLP Power India, Mumbai
- Dr. Amit Kumar, Director (Energy, Environment & Technology Development), TERI, New Delhi
- Mr Avinash Bapat, Chief Operating Officer, IL &FS Energy Development Company, Mumbai
- Mr M.P.Ramesh, Managing Director, Garrad Hassan India Pvt. Ltd., Bengaluru
- Mr Shrenik Baldota, Executive Director, MSPL IPP, Hospet
- Dr. R Venkatesh, President, Power Quality Solutions, EPCOS India Pvt.Ltd., Nashik
- Mr Rajsekhar Budhavarpu, Director, Acciona Energy India Pvt. Ltd., Bengaluru
- Dr V. Bapaeshwar Rao, Vice President, M/s Suzlon Energy Ltd., Chennai
- Mr Chetan Mehra, Managing Director, M/s Weizmann Limited, Mumbai
- Mr K.Kasthurirangaian, Chairman RSM Autokast Ltd., and Chairman, IWPA, Chennai

Who should participate?

- Windfarm developers
- Manufacturer of wind turbines
- Manufacturers of ancillary equipment
- Administrators, Regulators, Policy makers
- Financial Institutions, Private equity and pension funds, underwriters
- Consultants
- Governmental agencies, Nodal agencies
- ▶ NGO's

Why Participate?

- Gain in-depth knowledge about the technology trends in wind energy generation
- Develop a comprehensive understanding of the state of art technologies in off-shore wind parks, power evacuation, control & protection of multi MW turbines.
- Understand concerns related to large scale integration of windfarms to grids and possible solutions.

- Understand the modern trends in operation and maintenance of windfarms, wind forecasting techniques, scheduling wind power and condition monitoring techniques.
- Discuss policies and regulations related to promotion of wind energy.
- Understand potential investment opportunities in manufacturing of wind energy solutions.
- Identify business opportunities in wind energy in India.
- Learn about policies related to wind energy such as open access, power trading, creation of SEZ's etc.

Sponsorship opportunities & benefits

Sponsoring this international conference will provide an excellent opportunity to be an integral part of the growing wind energy business. It is an opportunity to express support for the environment and growing wind industry and build visibility for the company's brand.

Exhibit your product and services

The Conference cum exhibition offers an exceptional opportunity to display their products and services to professionals and stake holders from across the wind industry. Those who need stalls may ask for booking forms & rules.

Stall size: 3 m x 3 m - INR. 100,000

Advertising Opportunity

The proceedings of the conference will be published in a book form and will serve as a vital reference document for everyone concerned with wind energy. Advertisement opportunities are available for advertising your product:

Back cover (4 colors) : INR.50,000/- (1250 USD)

Front inside cover (4 colors): INR.40,000/- (1000 USD)

Page facing front inside cover

(4 colors) : INR 30,000/- (725 USD)

Back inside cover (4 colors): INR.35,000/- (850 USD)

Inside full page (4 colors) : INR.25,000/- (600 USD)

Inside half page (4 colors) : INR.15,000/- (350 USD)

Networking with Financial Institutions at Cocktail & Dinner (19.00 to 22.00 Hrs)

It is proposed to have a pre dinner session on February 11, 2010 in which the Financial Institutions desiring to sponsor would be given 20 minutes duration for a presentation on their products and will be followed by discussions (19.00 Hrs to 20.30 Hrs)and dinner (20.30 Hrs to 22.00 Hrs). Sponsoring charges INR. 250,000 or USD 6000 for financial institutions.



Registrational Fees

Registration fee for the conference is as follows:

General delegates, payment on or before 25-12-2009	INR.4500	120 USD
payment after 25-12-2009	INR.7000	170 USD
Addl. delegates from sponsoring orgns.	INR.4000	110 USD
Members of IWPA	INR.3000	
Bonafide students	INR.1500	40 USD

Payment for registration through cheque/demand draft favouring Indian Wind Power Association, payable at Chennai. Spot registration by cash or DD.

	Supreme / Sponsor Partner State	Platinum Sponsor	Gold Sponsor	Silver Sponsor	Financial/ PE Net- working session	Sponsor for Lunch, kits	Sponsor
Benefits	INR. One million/ 25000 USD	INR. 500,000/ 12500 USD	INR. 400,000/ 10000 USD	INR. 300,000/ 7500 USD	INR. 250,000/ 6250 USD	INR. 150,000/ 3750 USD	INR. 100,000/ 2500 USD
Complimentary Registrations	5	4	3	2	2	. (1
Advertisement in Conference Proceedings	Full page color	Full page color	Full page color	Half page color	Half page color	Х	X
Acknowledgment in Conference Brochure/ Proceedings	1	/	/	1	1	1	1
Company profile brochure in the conference kit	-/	1	1	1	1	1	1
Company's Name & logo in the backdrop at the venue	1	1	1	1	1	X	X
Special reserved seating & sponsor badge for company representatives	V	1	1	Х	X	X	X
Exhibition Space	2 stalls*	l stall*	stall*	Х	X	Х	Х

^{*} Stall size= 3 by 3 meters

About IWPA

The Indian Wind Power Association is a 1000 member strong pan India Association of the people who have invested in the wind power sector. The other stake holders like the turbine manufacturers, ancillary equipment manufacturers and service providers are also members of the Association. The Association's activities are governed by a National Council having 21 members. The headquarters of the Association is located at Chennai and has its state outfit at Hyderabad, Ahmedabad, Bengaluru and Jaipur. The main objective of the Association is to promote the wind power in the country.

For more information on the conference and delegate registration, please contact:

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INDIAN WIND POWER ASSOCIATION

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