



WIND: For Energy & Environment Security

WIND INDIA 2006

Conference cum Exhibition

22-23 August 2006, Le Meridien, Pune

India's premier event on
wind power development

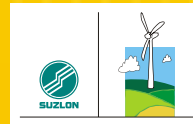
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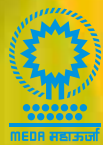


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WIND INDIA 2006



Introduction

There is an evolutionary symbiosis between energy and civilisation. The progress achieved by modern human civilisation is largely the result of the ability to discover new forms of usable energy in large quantities. But environmentally destructive methods of producing energy currently adopted by humans everywhere, threaten to destroy the progress and human welfare achieved so far. Today's fossil fuel-based energy economy is unsustainable in economic, social, and ecological terms. But it is perhaps not too late to mend our ways. The task before us is to engineer the transition from a fossil fuel-based energy system to a renewable energy economy, without major social, economic, or ecological disruptions.

In the last few years, many renewable energy (RE) technologies have become commercially viable. The most advanced and potent RE technology for power generation is Wind Power. India has emerged as the fourth largest producer of grid connected power from wind, with a cumulative installed capacity of 5340 MW, as on 31 March 2006. This is expected to touch the figure of 12,000 MW or more by 2010 – the present estimated potential for wind power in the country is 45,000 MW. There are more than 210 windy sites identified across the country, with development taking place in 9 states.

Some positive factors helping wind power development are:

- ✔ The establishment of a strong manufacturing base within the country.
- ✔ At least three prominent Indian manufacturers of wind turbines figuring among the top ten in the world.
- ✔ Introduction of the Electricity Act, 2003, that strongly favours the growth of renewable power.
- ✔ Introduction of new tariff guidelines and proactive regulatory frameworks by several regulatory commissions.
- ✔ Introduction of Renewable Purchase Obligations (RPO) that has made purchase of wind power by utilities mandatory in many states.
- ✔ Accelerated investments in the sector:
 - Current cumulative investments: Rs. 25,000 crore
 - Expected cumulative investments: Rs. 35,000 crore (by 2010)
- ✔ Investment in wind power by conventional energy sector companies, thereby transitioning to sustainable technologies.
- ✔ Growing environmental awareness and perception of wind as a clean and green energy.
- ✔ The prospects of an additional revenue stream from carbon credits.

About Wind India 2006

Winds of change are blowing all over the world. Numerous international conferences, seminars, and exhibitions on wind power are held the world over, every year. In India, wind power has so far assumed only a small role in larger renewable energy conferences. For the first time ever, a comprehensive national conference cum exhibition is being organised on the *development of wind power in India*, showcasing the growth of the wind industry.

What is unique about 'Wind India 2006'?

- ✔ Full participation of the wind power industry and all associated stakeholders.
- ✔ Interaction among industry, policy makers, regulators, financiers, academicians, researchers, and the media.
- ✔ Exposition of international best practices in wind power development.
- ✔ Panel discussions to suggest recommendations to the government, and initiate innovative policy measures for encouraging the growth of the wind power sector in the country.
- ✔ Demonstration of state-of-the-art technologies, R&D, and major innovations through the exhibition.
- ✔ Awareness generation regarding the capabilities of the Indian wind power industry and its export potential.
- ✔ Highlighting the importance of wind power in mitigating climate change and the current energy crisis.
- ✔ Institution of 'Wind India Awards' for commendable service towards the sector.

Wind India Awards

While the wind industry continues to make significant contributions in providing clean and green energy, their efforts are seldom given due recognition. The same applies to wind industry's major allies, without whom wind power development is impossible. These include investors, financiers, and service providers. Due recognition also needs to be given to researchers and the media. In appreciation of the efforts of all these significant contributors in shaping a 'Green India', WISE has instituted the 'Wind India Awards' in eleven different categories:

1. Best Manufacturer (1st and 2nd prize)
2. Best Service Provider among manufacturers (1st and 2nd Prize)
3. Best Wind Turbine (500 kW to 1 MW – 1st prize only)
4. Best Wind Turbine (> 1 MW – 1st prize only)
5. Best Wind Power Financier (1st and 2nd prize)
6. Best Wind Power Developer State (Total Installation – 1st prize only)
7. Best Wind Power Developer State (Percentage Increase – 1st prize only)
8. Best Public Sector Entrant (1st prize only)
9. Best Research Article / Book (1st prize only)
10. Best Media Report on Wind Power (1st prize only)
11. Best Company in Corporate Social Responsibility (1st prize only)



The Conference

Regal Hall, Le Meridien
22–23 August 2006, 9.00 a.m. to 6.00 p.m.

Highlights

- Sessions by eminent national and international speakers from the wind power sector, focusing on various aspects concerning the sector.
- Panel discussions with eminent panelists on critical policy and regulatory issues.
- Presentation of 'awards of excellence' in various areas of wind power development.
- Participation of 200 national and international professionals from the industry, the government, as also regulators, investors, financiers, academicians, and consultants.
- Release of book titled 'Wind Power Development in India'.
- Release of CD on 'Investors Guide to Wind Power Policy in Indian States'.
- Release of special issue of WISE's bi-monthly publication *Green Energy on Wind Power*.
- Publication of Conference Souvenir, showcasing invited contributions, company profiles, and exhibitors' list.
- Site visit to a wind farm near Pune (optional, chargeable).

Registration

Registration to the conference will be on a first-cum-first-served basis. Individuals / organisations who wish to participate as delegates should fill in the 'Delegate Registration Form' (separate form enclosed) and send it along with the DD/Cheque to WISE. The charges are exclusive of travel and accommodation, which will have to be borne by the delegates themselves. For details regarding accommodation, visit the 'Wind India 2006' website for a list of selected hotels – ranging from low budget to 5 star facilities – located near the venue, to cater to the requirements of different individuals appropriately. Last date for receipt of the Registration Form is 15 August 2006.

About Faculty

The faculty for 'Wind India 2006', comprise nationally and internationally acclaimed key experts from the energy sector. These include, senior officials from MNES, Govt. of India; CMDs, MDs, CEOs, and Directors from the wind power industry; Chairmen of Associations; Chairmen and Directors of state electricity regulatory commissions, state electricity boards, state nodal agencies; prominent policy and decision makers, and senior level academicians, etc.

*Programme Schedule

22 August 2006	
08.30–09.30 a.m.	Registration
09.30–11.00 a.m.	Inauguration, awards session & release of publications
Tea Break: 11.00 a.m.–11.30 a.m.	
Session 1: 11.30 a.m.– 01.00 p.m. – Market and Project Development	
Market distortions and barriers affecting wind power development	
Prospects for Indian wind power up to 2015	
Alternative business models and creative market development	
Discussion (15 minutes)	
Lunch: 01.00 p.m. – 01.45 p.m.	
Session 2: 01.45 p.m.– 03.30 p.m. – CEO's Forum	
Opening remarks by the Chairman	
A global outlook for the Indian wind industry	
Manufacturing challenges and opportunities	
Continuous challenge of quality and performance upgradation	
Open house	
Concluding remarks	
Tea Break: 03.30 p.m. – 04.00 p.m.	
Session 3: 04.00 p.m.–06.00 p.m. – Grid Integration & Power Evacuation	
Theme Paper: Power evacuation, power quality and grid penetration of wind power projects in India	
European experience on integration of wind power with the grid	
Solutions for power quality and grid integration of wind turbines in India	
Energy forecasting solutions and dispatch of wind power	
Discussion (15 minutes)	
23 August 2006	
Session 4: 09.00 a.m. – 10.30 a.m. – HRD and Research	
Theme paper: HR development for Indian wind power sector	
Revamping technical education in India	
In-house training by industry	
R & D projects on wind power in India: A primer	
Discussion (15 minutes)	
Tea Break: 10.30 a.m. – 10.45 a.m.	
Session 5: 10.45 a.m.–12.00 p.m. – O&M & Performance of W P Projects	
Effective O & M for performance improvements	
Indigenisation of turbine technology and component development	
O & M challenges in long term contracts	
Discussion (15 minutes)	
Session 6: 12.00 p.m.–01.15 p.m. – Economics and Financing	
International finance for wind power development in India	
Carbon credits for wind power projects: Status and prospects	
Financing wind power projects: Indian experience & innovation possibilities	
Discussion (15 minutes)	
Lunch: 01.15 p.m. – 02.00 p.m.	
Session 7: 02.00 p.m.– 03.45 p.m. – Policy and Regulation	
Theme paper: Policy and regulatory issues for wind power development	
Global experience curve in policy & regulation for wind power development	
Mainstreaming of wind energy in India: Policy options	
Discussion (15 minutes)	
Tea Break: 03.45 p.m. – 04.15 p.m.	
Session 8: 04.15 p.m.– 05.15 p.m. – Panel Discussion	
Future and mainstreaming of wind power	
Valedictory Session: 05.15 p.m.– 06.00 p.m.	

* Subject to last minute changes, if any.

WIND INDIA 2006



The Exhibition

Majestic Hall, Le Meridien
22-23 August 2006, 9.00 a. m. to 6.00 p. m.

The 'Wind India 2006' exhibition offers a unique opportunity to professionals from the wind sector, the government, financial institutions, the media, etc., to showcase their profile and range of products. The exhibition hall would comprise 35 stalls, 28 admeasuring 9 sq.m and the remaining 7 admeasuring 6 sq.m. All the stalls would be suitably covered with PVC laminated pre-fabricated panels, fascia for displaying the name of the organisation / company, tables and chairs, spotlights, and one 5 Amp power point. The exhibition would be open to select groups from the public, free of charge.

Registration

Registration for stalls will be on a first-cum-first-served-basis. Interested parties should fill in the Registration Form (separate form enclosed) and send it along with the DD/Cheque towards stall charges to WISE. The charges are inclusive of 2 free registrations to the 'Wind India 2006' conference and listing of name in the Conference Souvenir. Last date for receipt of Registration Form is 15 August 2006.

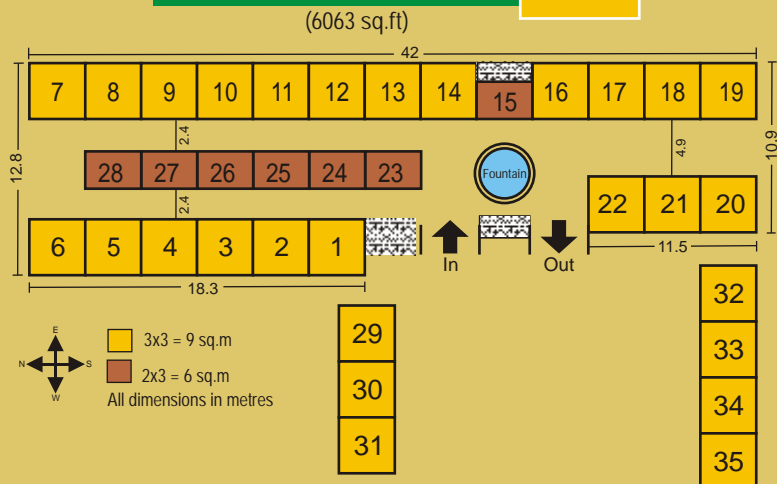
Terms and Conditions

- ✓ Stall charges are exclusive of transport, travel, labour, or accommodation charges.
- ✓ Exhibitors shall be responsible for the safety and insurance of their material and exhibits. Hazardous and flammable exhibits are not permitted.
- ✓ The stall panels should not be tampered with or damaged in any way, either by painting, pasting stickers, or nailing. In case of any damages, compensation would be duly recovered from the exhibitor.
- ✓ The organisers will not provide / arrange for any labour required for shifting of exhibits, equipment, etc.
- ✓ The organisers have the right to refuse permission to any exhibitor to clear the stall if any dues are outstanding.

About Exhibitors

Exhibitors in 'Wind India 2006' include turbine and blade manufacturers, service providers, investors, financiers, component suppliers, state nodal agencies, publishers, media, etc., from all over the country.

Exhibition Hall Layout



Sponsorship Opportunities

Co-Sponsorship of 'Wind India 2006': Rs 1.0 lakh (separate form enclosed)

Key Benefits

- ✓ Free full-page, 4 colour advertisement in the Conference Souvenir
- ✓ Two free registrations to the 'Wind India 2006' conference
- ✓ Five copies of the book 'Wind Power Development in India'
- ✓ Five copies of the special issue of WISE's bi-monthly publication *Green Energy on Wind Power*
- ✓ Company name on conference pad
- ✓ Ten copies of Conference Souvenir

Advertisement Opportunities

Advertisement in the special issue of *Green Energy on Wind Power* (separate form enclosed)

Full Page, 4 colour advt (25 cm x 19.5 cm) : Rs.15,000
 Half Page, 4 colour advt (19.5 cm x 12.5 cm) : Rs.10,000
 Quarter Page, 4 colour advt (12.5 cm x 9.5 cm) : Rs. 5,000

Advertisement in Conference Souvenir (separate form enclosed)

Full Page, 4 colour advt (25 cm x 19.5 cm) : Rs. 8,000
 Half Page, 4 colour advt (19.5 cm x 12.5 cm) : Rs. 5,000
 Quarter Page, B&W (12.5 cm x 9.5 cm) : Rs. 2,000



About WISE

The World Institute of Sustainable Energy (WISE) is a non-profit Society and Trust registered under the Societies Registration Act, 1860, and the Bombay Public Trusts Act, 1950, with headquarters at Pune. It is a financially autonomous institution and comprises some major stakeholders from the renewable energy industry as its founder members.

Development of renewable and sustainable energy is critical for ensuring sustainability of development and an energy secure future. But efforts in India towards developing the renewable energy sector are inadequate. Some of the major problems faced by the sector are lack of policy support and incentives, lack of legislative and research support, lack of qualified manpower, and lack of critical awareness to address the necessity of a rapid transition to a sustainable energy-based economy. To overcome these vital shortcomings in the sector, there was an urgent need to create an institution that would play a critical role in shaping an energy secure future. This resulted in the genesis of the World Institute of Sustainable Energy (WISE) in June 2004. The activities of WISE will thus provide a major impetus to the development of the renewable energy sector in all Indian states.

Centre for Wind Power: WISE's Centre for Wind Power is the only holistic Centre in India having all-round expertise in wind power development. In order to cater to the demands of this fast emerging sector, the Centre aims to develop skilled manpower and a knowledge-based environment in power generation from wind.

Core Activities

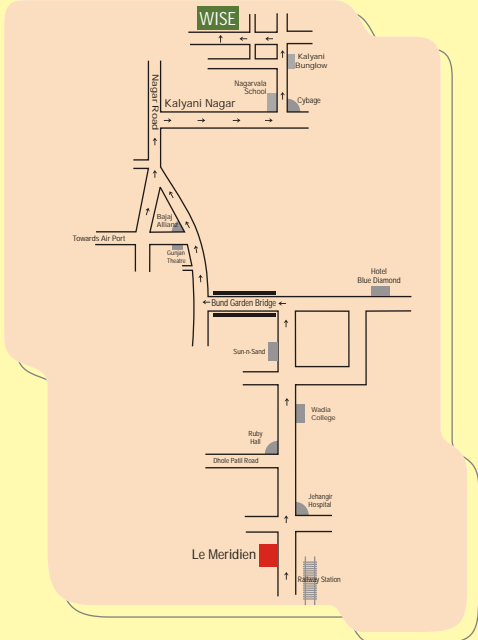
- Conduct short-term and long-term comprehensive training programmes in wind power management for wind industry professionals, academicians, students, and policy makers.
- Carry out research studies, surveys, and analytical projects for the wind power sector.
- Offer exclusive consultancy services to project developers, industries, research institutes, investors, state nodal agencies, power utilities, etc., on fiscal, administrative, and management issues of wind power development.
- Provide policy support to regulatory commissions for promotion of wind power technology.

Location: WISE is located in the serene and plush environments of Kalyani Nagar in Pune, an extremely sophisticated residential area and an upcoming hi-tech commercial centre comprising multinational corporations, IT institutions, etc. The office is centrally located, situated about 4.5 kms from the city airport and 3.5 kms from the Pune railway station.

About the Venue

Le Meridien is a landmark hotel in the city of Pune. It is located about 10 kms from the airport and is adjacent to the Pune railway station. Besides offering unprecedented luxury in the form of accommodation and services, the hotel provides state-of-the-art conference and exhibition facilities.

Contact Address: RBM Road, Pune 411 001
Tel: +91-20-26050505 Fax: +91-20-26050506
Website: www.lemeridien-pune.com



About Pune

Pune is a centrally located bustling city in the state of Maharashtra, India. It is around 160 kms from Mumbai by road and is well connected to New Delhi and Mumbai by air. The city is the centre for learning and has earned the title of 'Oxford of the East'. Pune is also the hub of industrial and commercial activity, with information technology forming a major focal area.



World Institute of Sustainable Energy

'Surya Suman', 49 Hindustan Estates, Road No.2, Kalyani Nagar, Pune 411 006
Tel: +91-20-26613832/55 Fax: +91-20-26611438
Email: windindia06@wisein.org Website: www.windindia06.wisein.org

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