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EU-India Wind Energy Network



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S.Balakrishnan

Indian Wind Turbine Manufacturers Association

EU-Indian Wind Energy Conference
Brussels, 12 January, 2007



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European Union - India
Economic Cross Cultural Programme

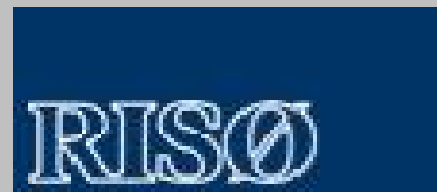
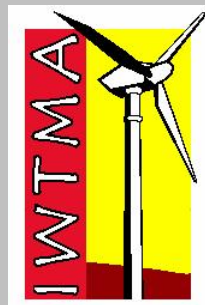


supporting innovative india - european union civil society partnerships

Participants



Confederation of Indian Industry





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Collaborative Activities between Indian and European Wind Energy Associations

EU-Indian Wind Energy Conference
Brussels, 12 January, 2007



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Enabling Larger Integration of the Wind Energy Sector in India and Europe resulting in Mutual Benefit

EU-Indian Wind Energy Conference
Brussels, January, 2007



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Indian Scenario:

- Shortage of electricity supply
- Wind Energy market booming
- Search for extending manufacturing capacity
- Search for financial services
- Search for Advanced know how



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IWTMA – MILESTONES :

- Ø Set up 9 years ago as a registered society under the Societies Registration Act
- Ø IWTMA is the only Body representing the Wind Turbine Manufacturers in the country
- Ø Associated with industrial bodies i.e. FICCI, ASSOCHAM and CII.

IWTMA IS THE VOICE OF THE INDIAN WIND TURBINE INDUSTRY



IWTMA – MEMBERS :

<i>S.No.</i>	<i>NAME OF THE COMPANY</i>	<i>LOCATION</i>
1.	VESTAS WIND TECHNOLOGY INDIA PVT. LTD.	CHENNAI
2.	ENERCON (INDIA) LTD.	MUMBAI
3.	SUZLON ENERGY LTD	PUNE
4.	VESTAS RRB INDIA LTD.	CHENNAI
5.	PIONEER ASIA WIND TURBINES LTD.	CHENNAI
6.	ELECON ENGINEERING COMPANY LIMITED	VADODARA
7.	GE WIND ENERGY LTD.	BANGALORE
8.	SHRIRAM EPC LTD.	CHENNAI
9.	LM GLASS FIBER (INDIA) PRIVATE LIMITED (BLADE MFR.)	BANGALORE



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IWTMA – OBJECTIVES :

- Ø IWTMA acts as a catalyst for the growth and development of Wind Turbine industry.**
- Ø To promote and protect the interest of wind turbine industry.**
- Ø To facilitate the extension of knowledge and development of Wind Turbines equipments, machinery and components etc.**
- Ø To help promote Scientific Research and Knowledge in the industry.**



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IWTMA – OBJECTIVES :

- ∅ To function as a National Organization representative of Wind Turbine industry.**
- ∅ To resolve the problems collectively and seek solutions for them.**
- ∅ To provide a platform for exchange of information & knowledge in Wind Turbine Industry.**
- ∅ SINGLE BODY FOR WIND ENERGY NEEDS***



IWTMA – ACTIVITIES :

- 1.** Has its representation on all Committees, Councils, Advisory groups constituted by Ministry of Non-conventional Energy Sources (MNES), CWET and others including Financial institutions like IREDA.
- 2.** Interacts with the Central and State Governments , Nodal agencies, Utilities, Financial Institutions etc.



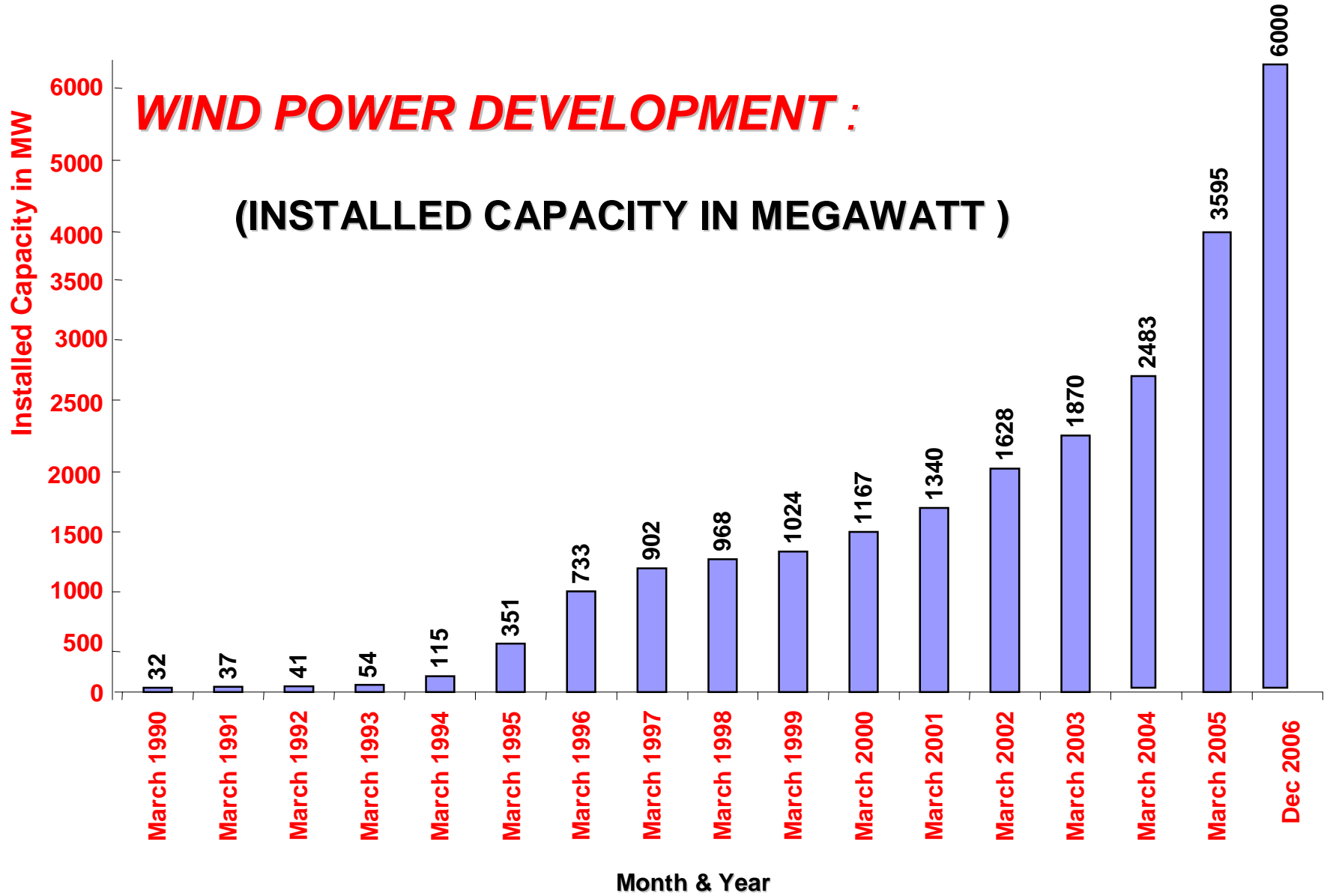
IWTMA – ACTIVITIES :

3. Helps promote activities leading to buyer-seller meets and technology development.
4. Helps pave the way for formulation of policies and guidelines by various Govt. and non-governmental institutions for the speedy realization and growth of this “Green Power” in India.

“ PROACTIVE IN PROMOTION OF GREEN POWER ”

WIND POWER DEVELOPMENT :

(INSTALLED CAPACITY IN MEGAWATT)



INDIAN WIND POWER SECTOR – AT A GLANCE :

- Ø Gross Wind Power Potential : 45,195 MW
- Ø Total Installed Capacity : 6000 MW (DEC. 2006)
 - Ø Demonstration Projects : 70 MW
 - Ø Commercial : 5930 MW
- Ø Additional Target by Indian : 12,000 MW by 2010

- Ø More than 95% investment is by private sector

Contribution of wind energy to national electricity- 2006

Country	% of national Electric supply	Installed Power in GW
Germany	7	18.5
Spain	6	10.0
U S A	0.35	9.2
India	0.50	6.0
Denmark	2.0	3.1
Netherlands	2.0	1.0
EU (15)	4.0	40.5



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Collaborative activities undertaken by various wind energy associations and hence members have to date, contributed in many ways to the growth and development of the wind energy sector. Global cohesion in the activities of the wind industry worldwide present a common platform for the wind power sector as a whole.



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Recent developments in the wind energy sector such as linkages between leading wind energy associations like EWEA and AWEA and the constitution of Global Wind Energy Council (GWEC) has helped linking-up major stakeholders in the wind energy sector globally. This needs to be up-scaled in scope as well as geographical coverage.



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Relevance of Promoting Collaborative Activities between Wind Energy Associations in Europe and India:

- a. **Effective communication and networking between Wind Energy Stakeholders**
- b. **Exchange of information, knowledge and resources**
- c. **Participate in and influence national and international policy discussions related to and affecting wind energy**



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d. Technology Transfer

e. Capacity Building

f. Harmonising Standards

g. Encourage Intercountry Co-operation

h. Improved Global Co-ordination

i. Opening of New Markets

k. Industry Self-regulation and Monitoring



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Effective communication and networking between Wind Energy Stakeholders

Collaborative activities promote efforts to improve communication.

They facilitate networking among the wind energy industry globally.

Such platforms are excellent meeting grounds for the industry, organizations, the scientific community and others to further their interests in wind energy.

This opens up hitherto unexplored opportunities and makes it easier to pursue them.



Exchange of Information, Knowledge and Resources

- Best practices in policy
- R&D
- Manufacturing
- Operations and Maintenance
- Technological know-how
- Financial know-how



Participate in and Influence National and International Policy Discussions Related to and Affecting Wind Energy

Wind energy associations can collaborate in important regional and global policy issues related to:

- Investment policy and tariffs
- Non-tariff barriers
- Regulations
- Environment policy
- Technology policy



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" THANK YOU "