

# **Suzlon Energy**

STOCK INFO.
BSE Sensex: 8,487

BLOOMBERG

N.A

REUTERS CODE N.A

S&P CNX: 2,567

21 September 2005

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IPO Price Band: Rs425-510



#### **High velocity**

- At current offer band, the stock quotes at a PER of 14.5-17.4x FY06E and 11.8-14.2x FY07E; **Subscribe**.

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Y/E MARCH	2004	2005E	2006E	2007E
Sales (Rs m)	7,912	19,175	27,023	27,625
EBITDA (Rs m)	1,216	4,700	8,273	8,650
NP#	1,518	3,859	8,442	10,328
EPS (Rs) #	6.9	15.3	29.4	35.9
EPS Growth (%)#	244.1	120.2	92.5	22.3
BV/Share (Rs)	157.4	93.7	97.9	114.3
P/E (x) # (Rs425)	61.4	27.9	14.5	11.8
P/E (x) # (Rs510)	73.6	33.4	17.4	14.2
EV/EBITDA (x) (Rs4	25) 9.8	8.4	13.6	12.7
EV/EBITDA (x) (Rs5	10) 11.5	9.9	16.6	15.5
RoE (%)	45.3	63.5	40.6	26.0
RocE (%)	24.5	49.3	37.1	25.6

#### # Consolidated

KEY FINANCIALS POST ISSUE AT	RS425	RS510
Shares Outstanding (m)	287.6	287.6
Market Cap. (Rs b)	123.1	147.7
Market Cap. (US\$ b)	2.8	3.4

SHAREHOLDING PATTERN (%)	PRE-IPO	POST-IPO
Promoters	76.9	69.8
Citicorp	8.9	7.2
Chrys Capital	2.9	2.6
Govt of Singapore Investment	2.8	2.5
T Rowe Price	1.4	1.3
Others	7.1	6.4
Public Holding	0.0	10.2

#### IPO DETAILS

Issue Size: 29.3m shares with FV of Rs10 each

Price Band: Rs425 to Rs510 per share Issue Date: 23 Sept. 2005 to 29 Sept. 2005

#### Global wind energy market presents significant growth options:

The global wind energy market is at an inflexion point - installed base in December 2000 was 18,449 MW, which increased to 47,912 MW by December 2004. As per BTM, the global target for this market is 136,000 MW by CY10. Almost 90% of the industry is controlled by six players. Suzlon was the 6<sup>th</sup> largest manufacturer in CY04 and is on course towards becoming the 3<sup>rd</sup> largest by CY08.

Suzlon's target market is expanding: In India, the Electricity Act 2003 mandates that all Regulatory Commissions should have policies in place to procure a certain percentage of power generation from renewable sources. Various states like Maharashtra (750 MW by FY07), Karnataka (5-10% through renewable sources) and Madhya Pradesh (0.7% from wind by FY07) have come out with regulations in this regard. On the exports front, the company is targeting markets like the US, China, Australia and parts of Europe to leverage on its cost leadership position. With backward integration, import content for Suzlon will decline to ~20% v/s ~50% in FY05.

Government directives / incentives are key risk factors: The biggest risk factor for Suzlon and also the wind energy market is any change in government directives. Even though wind energy has become commercially viable, the industry growth to a large extent depends on government directives and incentives. Apart from India, this is also true for countries like USA, China and Australia, which are the key focus markets for Suzlon.

Valuations: At the issue price band of Rs425-510 per share, Suzlon quotes at a PER of 27.9-33.4x for FY05, 14.5-17.4x for FY06E and 11.8-14.2x for FY07E. Subscribe.

## Investment positives

#### Globally, the wind energy market is at an inflexion point

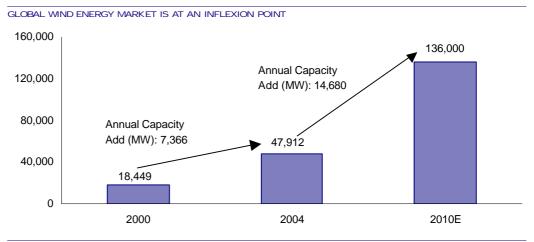
The global wind energy industry is at an inflexion point. The installed base in December 2000 was 18,449 MW, which increased to 47,912 MW by December 2004. This represents a CAGR of 26.9% in the past four years. As per BTM, the global target in CY10 is an installed capacity of 136,000 MW.

The inflexion point is being driven by: (1) technological developments, which entailed bringing down per MW capital cost and improving PLF, thus increasing the commercial viability, (2) Kyoto Protocol which provides carbon credits (10% of capital costs), (3) higher fossil fuel prices, and (4) increasing sense for energy security.

GLOBAL WIND ENERGY DEMAND (MW)

PARTICULARS	CYOO	CY01	CY02	CY03	CY04
New Installed Capacity	4,495	6,824	7,227	8,344	8,154
Accumulated Capacity	18,449	24,927	32,037	40,301	47,912
% YoY	32.4	35.1	28.5	25.8	18.9

Source: BTM Consult ApS Report 2005



Source: BTM Consult ApS Report 2005, Motilal Oswal Securities

#### Industry is highly concentrated: top-6 players control 90% of the market

We note that wind energy equipment manufacturing entails high-end aerodynamics technology through use of sensors, etc which enables the turbines and rotor blades to adjust to the speed and direction of the wind. Access to this technology is one of the biggest entry barriers. This is further evidenced by the fact that six companies control 90% of the global market.

GLOBAL COMPETITION IN WIND ENERGY MARKET (MW)

	COUNTRY	ACCUMULATED	INSTALLED	SHARE (%)	ACCUMULATED	SHARE
		2003	2004	2004	2004	(%)
Vestas	Denmark	14,797	2,783	32.7	17,580	34.6
Gamesa	Spain	4,965	1,474	17.3	6,439	12.7
Enercon	Germany	5,758	1,288	15.1	7,045	13.9
GE Wind	US	4,428	918	10.8	5,346	10.5
Siemens	Denmark	3,367	507	6.0	3,874	7.6
Suzlon	India	463	322	3.8	785	1.5
Repower	Germany	893	276	3.2	1,169	2.3
Mitsubishi	Japan	806	214	2.5	1,019	2.0
Ecotcnia	Spain	531	214	2.5	744	1.5
Nordex	Germany	2,219	186	2.2	2,406	4.7
Others		4,026	334	3.9	4,359	8.6
Total		42,253	8,516		50,766	

Source: BTM Consult ApS Report 2005

#### Suzlon has global size, and cost leadership

Suzlon, with access to one of the best technologies and a lean cost structure, is one of the most profitable companies in the industry and is thus well positioned to capitalize on the global growth opportunity.

In terms of installations during CY04, Suzlon was the sixth largest wind power company globally. During CY04, India added 875MW, which represents 10.7% of global capacity additions.



Source: Motilal Oswal Securities

#### India - demand is no longer an issue

We believe that the growth of the wind energy industry is constrained more by land and infrastructure development, rather than demand. Land locations and infrastructure development entail a time period of ~3-years, as various government and regulatory permissions are required.

TREND IN INSTALLED CAPACITY AND POTENTIAL IN KEY STATES (MW)

Total	45,195	13,390	3,602
Other States	-	-	2
West Bengal	450	450	1
Tamilnadu	3,050	1,880	2,040
Rajasthan	5,400	910	285
Orissa	1,700	780	2
Maharashtra	3,650	3,040	456
Madhya Pradesh	5,500	845	29
Kerala	875	605	2
Karnataka	6,620	1,180	413
Gujarat	9,675	1,780	253
Andhra Pradesh	8,275	1,920	121
	POTENTIAL	POTENTIAL	CAPACITY
STATE	GROSS	TECHNICAL	INSTALLED

Source: MNES

Post Electricity Act 2003, the industry now has a regulatory framework to drive growth: The Electricity Act 2003 mandates that all Regulatory Commissions should procure certain percentage of power generated from renewable sources by all distribution companies. Renewable energy includes wind energy, small hydro, biomass, muncipal solid waste conversion and solar energy. As per the current procedure, companies can bid to the state regulators for setting up projects.

#### Recent regulatory enactments in India towards renewable energy sources

- Maharashtra Electricity Regulatory Commission has stipulated that 750MW of supply of electricity shall be sourced from wind power by CY07. The burden has been divided between MSEB (500MW), Tata Power (50MW) and Reliance Energy (100MW).
- Karnataka Electricity Regulatory Commission has stipulated a minimum of 5% and maximum of 10%, and
- Madhya Pradesh Electricity Regulatory Commission has stipulated 0.7% from wind power by CY07

Several other states like Tamilnadu, Rajasthan and Gujarat also are expected to come out with such notifications.

#### REGULATORY ENVIRONMENT ACROSS STATES

REGULATORT ENVIRONMENT	ACROSS STATES	•					
DESCRIPTION	RAJASTHAN	TAMIL NADU	KARNATAKA	MAHARASHTRA	GUJARAT	MP	ANDHRA PRADESH
Third Party Sale of	Allowed	Not Allowed	Allowed	Allowed	Not Allowed	Allowed	Not Allowed
Power generated							
Rate p.u. in case of Sale	Rs2.91 with	Rs2.7 flat	Rs3.4 flat for	Rs3.5 with an	Rs2.6 with an	Rs3.97 to	Rs3.37 flat
of Power to SEB	escalation of	an annual	10 years	annual escalation	escalation of	Rs2.6	rate for 5 years
(from 1.4.2004)	5 paise for		from COD	of 15 paise per	5 paise/unit	different	then to be
	20 years			unit up to	for 10 years	rate for all	reviewed
				13 years from		20 years	
				COD			
Wheeling & Transmission	10%	5%	Rs0.19/KWH/	2% wheeling	4%	NIL	Rs84.65/KW/
Charges for the power			Month+Tran.	and 5%			Month +
generated			Loss 6% +	transmission			Tran. Loss 6.25%
			Rs0.13/unit +	charges			+Rs0.51/unit +
			Dist. Loss 12%	, D			6.4% (For 33KV)
							(For 33/11 KV)
Duration of the Power	20 years	Upto next	10/20 years	13 years	10 years	20 years	20 years
Purchase Agreement by		policy					
SEB for purchase of power		revision					
Banking of power	Permitted in	Permitted in	1 year	1 year	6 months	Not	Permitted for
generated	same calendar	r same				Permitted	1 year
	year	financial year					
Banking Charges	Nil	5% on 2	2% on	Nil	Nil	NA	NA
		months	monthly				
		basis	basis				
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For sales to State Electricity Boards, state regulators offer RoE of 14-16%, while actual RoE would be higher as the companies can retain the benefits of higher PLF, lower financing costs, etc.

Andhra Pradesh	23.1
Gujarat	30.7
Karnataka	32.8
Rajasthan	26.9
Tamilnadu	23.0
Maharashtra	24.8
EQUITY IRRS FOR WIND ENERGY PROJECTS (FOR SALE TO SEBS)	(%)

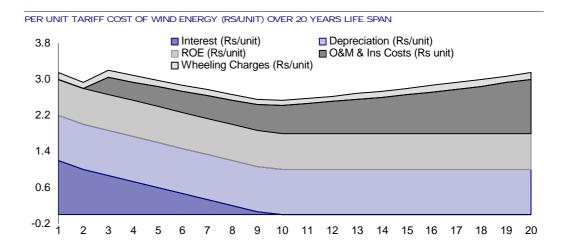
Source: Motilal Oswal Securities

Wind Energy is a commercially viable proposition: We calculate the levelized tariffs for wind power at Rs2.2-3.0 per unit, which compares with Rs1.9 - 2.4 per unit for coal based projects and Rs2.0-2.5 per unit for large hydro projects. Also, the first year cost at Rs2.8-3.7 per unit for wind power is more competitive than Rs2.9-3.1 per unit for hydro power projects.

COST COMPETITIVENESS OF WIND ENERGY V/S OTHER RENEWABLE ENERGY SOURCES

TECHNOLOGY	POTENTIAL IN	COST/ MW	PLAUSIBLE	LEVELIZED COST
	INDIA	(RS M)	CAPACITY	PER KWH
			UTILIZATION FACTOR	(RS/KWH)
Wind Energy	45,000 MW	45-52.5	22% - 32%	2.5-3.7
Small Hydro	15,000 MW	35-62.5	30% - 45%	1.8-3.4
Biomass	3,500 MW	35-40	60% - 80%	2.2-3.2
MSW/ IW to Energy	1,700 MW	50-120	60% - 80%	2.5-3.5
Solar Thermal	20 MW/ sq.km.	100-120	14% - 24%	8-10

Source: Various Regulatory Orders, Motilal Oswal Securities



Source: Motilal Oswal Securities/Assump.: PLF 30%, Capital Cost Rs50m per MW, Financing @9%

∠ Carbon credits: The wind energy is eligible for carbon credit benefits under the Kyoto Protocol for the period CY02-CY12. At 24% PLF, we calculate the amount at Rs0.2/unit, which reduces the cost by 7%.

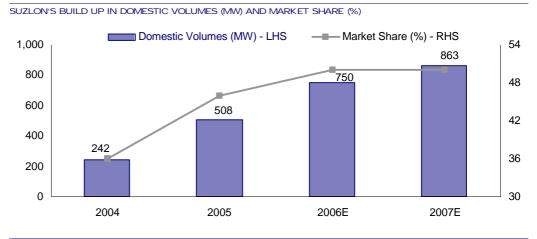
GAINS FROM CARBON CREDIT	
Capacity (MW)	1.0
PLF (%)	30
Units Generated (MUs)	2.6
Carbon Credit (Rs/Unit)	0.22
Increase in Equity IRR (%)	3.8

Source: Motilal Oswal Securities; Assumption: CR = Euro6/unit, Cost = Euro2/unit

#### Market share of Suzlon in India has been increasing

During FY05, Suzlon had a market share of 46% in India as compared to 37% in FY03. Apart from strong after sales service, technology edge, positioning as integrated solutions provider, etc, we outline some reasons contributing to increased market share for Suzlon in India. We believe a further improvement in market share is easily possible going forward.

- ✓ Product range: Suzlon has a product range of 1.25 MW and 2 MW, while all other companies in India (except NEG Micon 1.65 MW) have product ranges below 1 MW. Lower product range entails a high capital cost per MW. As State regulators fix tariffs based on an average cost structure for the state, a higher MW product will earn significantly better RoE.
- Operations in several states: Competitors in India operate in 2-3 states (with land bank), while Suzlon is currently developing land banks in ~7 states.
- Backward integration: Backward integration for Suzlon will result in lowering procurement costs, which can be passed on to the consumers, thus bringing down the per MW capital costs. Competitors will have no such advantage of lower capital costs, as they have limited plans for backward integration. For Suzlon, import content is expected to decline from 50% in FY05 to ~20% post September / October 2005.



Source: Company/Motilal Oswal Securities

#### Exports are becoming an important driver

We believe that the wind energy sector presents an opportunity to Suzlon for utilizing the low cost manufacturing base in India to cater to the export market. The company has already achieved cost leadership in the industry, and is amongst the most profitable companies globally in wind energy segment.

MOTILAL OSWAL

Suzlon has targeted US, China, Australia and parts of Europe (Italy, France and Portugal) as its focus markets internationally.

- ✓ USA: Growth in USA is largely driven by increased concerns on fuel security, with most states announcing 5-10% of electricity generation through wind power.
- Australia: Australia has introduced the Renewable Portfolio Standard, which mandates that renewable energy sources contribute a specified minimum percentage of total electricity supply. The existing Mandatory Renewable Target requires that renewable energy make up a further 2% of total power generated by CY10.

TREND IN EXPECTED INCREASE IN CAPACITY ADDITIONS IN SUZLON'S TARGET MARKETS

MARKETS	CUMULATIVE	FORECASTED (INSTALLED)	CUMULATIVE INSTALLED
	INSTALLED CAPACITY AS	CAPACITY BETWEEN	CAPACITY BY
	OF END 2004 (MW)	2005-09 (MW	END OF 2009 (MW)
Europe	34,725	39,875	74,600
United States of America	6,750	12,100	18,850
India	3,000	5,300	8,300
China	769	2,350	3,119
Australia	421	1,700	2,121

Source: Company

#### EXPECTED BUILD UP IN EXPORT VOLUMES FOR SUZLON (MW)

	FY04	FY05	FY06	FY07
US	22.8	0	88	140
Australia	0	0	45	55
China	0	0	10	140
Total	22.8	0	143	335

Source: Company/Motilal Oswal Securities

#### Suzlon has higher EBITDA margins than competitors

Unlike most of the global competitors which operate at EBITDA margins of 2-10%, Suzlon has an EBITDA margin of 24.5%. (FY05). The key reasons for this variation are:

- Low cost Indian manufacturing: Unlike competitors, Suzlon has advantage of low cost manufacturing in India, access to latest technology from its R&D centres in Germany and Netherlands and International headquarters in Denmark for overseas operations. Competitors have manufacturing operations in developed countries like US, which entails high materials and labour costs.
- Access to high end technology: Through its R&D centres in Germany and Netherlands, Suzlon has access to high end technology. The company developed technology for 1.25 MW and 2 MW products in-house. Also, Suzlon is amongst one of the three manufacturers of rotor blades globally, which involves extensive use of aerodynamics.
- **Backward integration:** Backward integration for manufacturing of tubular towers (JV with Kalthia group, commenced operations in March 2005) and generators (JV with Elin EBG Motors Gmbh, Austria; commenced operations in September 2005) in joint ventures at cost plus conversion premium will entail sizeable reduction in costs. Also, for gearboxes, Winergy has set up a captive plant in India (commenced operations September 2005) which is expected to reduce the procurement costs significantly. Suzlon already manufactures rotor blades, nacelle covers, etc. Import content is likely to come down from ∼50% in FY05 to ∼20% from September / October 2005.
- ✓ Increased volumes, both in India and exports, will entail a better absorption of fixed costs, thus improving margins.

We believe that lower export margins in initial years could be compensated by improved domestic margins (arising from better fixed cost absorption) and thus overall EBITDA margins could be maintained at ~25%. Further, the US / Chinese facilities would just entail mass manufacturing, while the Australian market would be catered to by India.

#### Concerns

#### **Government directives**

We believe that the biggest risk factor for Suzlon and also the wind energy market, is the change in government directives. Even though the wind energy market has become commercially viable, the industry growth even today depends to a large extent on the government directives, which specify a minimum percentage of electricity to be generated through renewable sources. Apart from India, this is also true for countries like USA, China and Australia, which are the key focus markets for Suzlon.

#### **Government incentives**

To encourage generation from renewable sources, governments across countries provide incentives for wind generation. In India, currently the wind energy sector enjoys income tax benefits by way of accelerated depreciation (80% of capital cost can be charged as expense for calculating income tax) and income tax holiday. This results in bringing down the capital costs, increasing RoE very significantly for customers.

Going forward, we believe that as the wind energy segment in India attains a critical size, the loss of revenues to the government due to tax incentives could be very sizeable. Thus, there is a strong case for the government to bring down these incentives.

#### Highly technology intensive

We note that wind energy equipment manufacturing entails high-end aerodynamics technology through use of sensors, etc which enables the turbines and rotor blades to adjust to the speed and direction of the wind. Access to this technology is one of the biggest entry barriers. This is further evidenced by the fact that six companies control 90% of the global market. Thus, access to latest technology is crucial for margins.

## **Valuations**

At the issue price band of Rs425-510 per share, Suzlon quotes at a PER of 27.9-33.4x for FY05, 14.5-17.4x for FY06E and 11.8-14.2x for FY07E.

COMPARISON WITH GLOBAL AND INDIAN COMPANIES

	MARKET	PER		EV/ EBI	TDA
	CAP (RS B)	FY06	FY07	FY06	FY07
Indian Peers					
BHEL	276.8	20.9	16.8	12.1	9.6
Gamesa (ES) *	173.2	15.4	13.8	9.0	8.0
Vestas (DK) *	163.7	45.9	25.3	13.4	10.1
Suzlon (at Rs510)	147.7	17.4	14.5	16.6	15.5
Suzlon (at Rs425)	123.1	14.5	11.8	13.6	12.7
Siemens India #	84.0	30.8	20.5	18.7	13.6
ABB India *	73.6	35.5	25.9	23.7	16.4
Cummins India	31.1	19.1	15.8	11.9	9.9

<sup>#</sup> For Siemens - FY06 is Y/E September 2005 and FY07 is Y/E September 2006;

Source: Bloomberg / Motilal Oswal Securities

There are no direct comparisons to Suzlon both in India and Overseas. NEPC Micon also operates in the wind energy segment in India, but is not a direct competitor to Suzlon as it has a highest product range of 350 KW v/s 2 MW for Suzlon.

<sup>\*</sup> For Gamesa, Vestas, ABB - FY06 is CY05 and FY07 is CY06

### **IPO** mechanics

Suzlon Energy has fixed a price band of Rs425-510 per share for its forthcoming maiden IPO of 29.3m shares of Rs10 each. Of these, fresh issue is of 26.76m shares while the balance is offer for sale by Citicorp International Finance Corporation. This offer is being made through a 100% book-building process. Based on the price band of Rs425-510 per share, the total issue size stands at Rs12.5-15b. There will be a 2% reservation for the employees of the company. Further, 60% of the offer will be allotted on a discretionary basis to the Qualified Institutional Investors and 10% will be allotted on a proportionate basis to the non-institutional bidders. The balance 30% will be allotted to the retail bidders. The issue opens on 23 September 2005 and closes on 29 September 2005.

The total dilution of the equity will be 10.2%. The current issue will reduce the promoter holding from 76.9% to 69.8% and that of Citicorp International Finance Corporation from 8.9% to 7.2%. The other major shareholders are Chrys Capital, Government of Singapore Investment Corporation and T Rowe Price.

DETAILS OF CURRENT EQUITY OFFER

PARTICULARS	EQUITY SHARES (M)	% OF TOTAL
Equity Shares Offered by		
The Company	26.8	91.2
The Selling Shareholder	2.6	8.8
Total Issue	29.3	100.0
Of Which:		
Reservation for Employees	0.6	2.0
Net Issue to the public	28.8	98.0
Of Which:		
Qualified Institutional Buyers Portion	17.3	60.0
Non-Institutional Portion	2.9	10.0
Retail Portion	8.6	30.0
<b>Equity Shares Outstanding prior to the Iss</b>	ue 260.8	-
<b>Equity Shares Outstanding after the Issue</b>	287.5	-

Source: Company

## Objects of the issue

#### The key objects of the issue are:

- ✓ Setting up and expansion of manufacturing facilities in India
  - New manufacturing facilities for components at Daman, Bhuj, Hyderabad and Dhule
  - Tooling facility at Vadodara
  - New storage facility at Daman
  - Expansion of existing facilities to increase the storage capacity at Pondicherry

#### **Z** Capitalization of subsidiaries

- ▼ To set manufacturing facilities in India, United States and China
- Marketing subsidiary in Denmark to consolidate the company's position in the existing markets and to make in-roads into new markets
- Research and Development subsidiaries in Germany and Netherlands
- Operation and Maintenance subsidiary for setting up warehouses and central monitoring stations in India
- Establishment and construction of a new corporate head office at Pune, additional office premises at New Delhi and Pune and a corporate learning center near Pune.
- Redemption of Preference Shares (Rs1b) allotted to the Private Equity Investors
- Growth Opportunities in domestic and international markets and for general corporate purposes

#### DEPLOYMENT OF FUNDS FROM PUBLIC ISSUE (RS M)

	FY06	FY07	TOTAL
Setting up and expansion of manufacturing facilities, in India	1,307	643	1,950
Capitalization of Subsidiaries	2,285	1,240	3,525
Corporate House, Office Premises and Corporate Learning Centre	268	700	968
Redemption of Preference Shares allotted to the Private Equity Investors	1,000	-	1,000
Sub - Total	4,860	2,583	7,443
Growth Opportunities in domestic and international markets and			5,938
general corporate purposes #			

<sup>#</sup> Based on the upper end of price band of Rs510 per share Source: Company/Motilal Oswal Securities

## Company profile

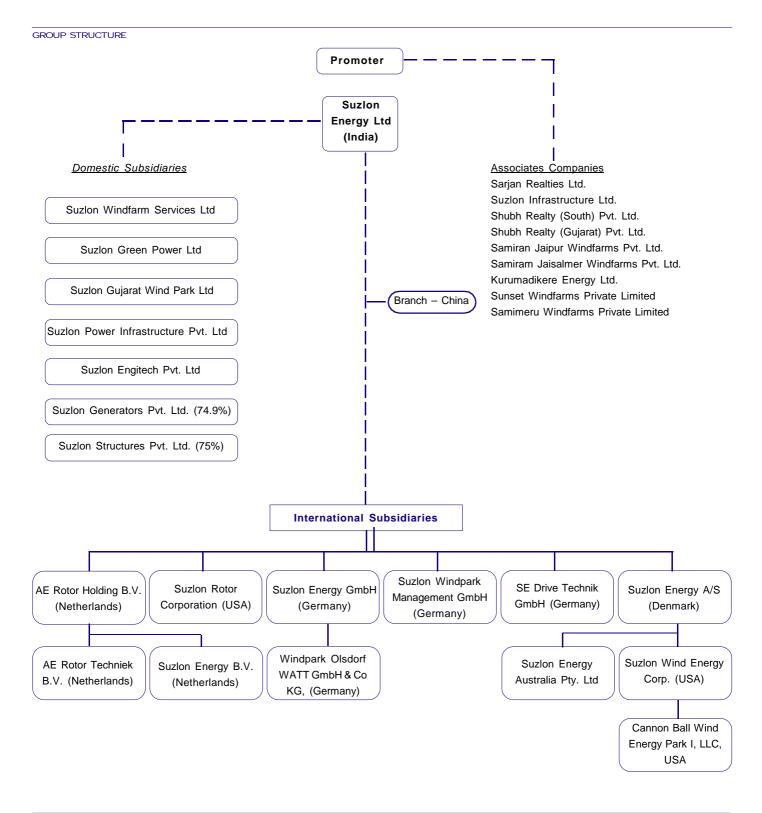
During CY04, in terms of installations, Suzlon was the sixth largest wind power company globally and the market leader in India (Market share 46% in FY05). Suzlon's cumulative installed capacity till March 2005 stood at 1,126.6 MW.

Along with associate companies, Suzlon is a "complete integrated solutions" wind energy provider. The gamut of services provided by the group includes identification of suitable wind energy project sites, which are sold or leased to the customers; wind resource mapping; technical planning for projects; manufacturing Wind Turbine Generators (WTGs); technical implementation of wind farms, including infrastructure development, installation of WTGs, connection to power grids; and after-sale operating and maintaining services.

Suzlon's key manufacturing facilities are located at Pondicherry and Daman, both of which produce WTGs and Rotor Blades. The current product range includes 0.35 MW, 0.6 MW, 0.95 MW, 1MW, 1.25 MW and 2 MW WTGs.

Suzlon designs and manufactures WTGs, rotor blades, control panels and nacelle covers in-house using own technology and design capability. It is amongst the three companies globally with access to technology for manufacturing of rotor blades. Apart from this, through its various joint ventures and subsidiaries, the company has integrated backwards into manufacturing of tubular towers (Suzlon Structures), generators (JV with Elin EBG Motors Gmbh, Austria), etc.

To tap the export markets of US, China, Australia and parts of Europe, Suzlon has set up its marketing head quarters in Denmark. The research for Rotor Blades and WTGs is undertaken in Netherlands and Germany respectively. During FY04, Suzlon supplied 24 WTGs, each of 0.95 MW capacity for a wind farm project in USA.



Source: Company

BUSINESS ACTIVITIES OF KEY SUBSIDIARIES	
Suzlon Energy A/S - Denmark	Global headquarters for worldwide sales (except India)
Suzlon Windfarm Services Ltd.	Operation & Maintenance in India
Suzlon Green Power Ltd.	5.8 MW Independent Power Project in India
Suzlon Energy - USA Mftg	Manufacturing - Rotor Blade and towers in USA
AE Rotor Technik	R&D (Rotor Blades) in Netherlands
Suzlon Energy GmbH	R&D (WTGs) in Germany
Suzlon Energy - China Mftg	Manufacturing - WTG, RB and other components
Suzlon Energy – USA	Marketing in USA
Suzlon Energy - Australia	Marketing in Australia
Suzlon Energy – China	Marketing in China

Source: Company

INCOME STATEMENT (RS.N.					
Y/E MARCH	2003	2004	2005	2006E	2007E
Net Sales	3,330	7,912	19,175	27,023	27,625
Change (%)	-36.6	137.6	142.4	40.9	2.2
Cost of Goods Sold	2,056	5,031	11,415	14,046	13,504
Staff Cost	107	177	353	375	380
Other Mfg. Expenses	699	1,489	2,708	4,329	5,092
EBITDA	468	1,216	4,700	8,273	8,650
% of Net Sales	14.1	15.4	24.5	30.6	31.3
Depreciation	87	139	319	497	700
Preliminary Exps written-off	0	0	1	0	0
Interest	78	257	413	405	450
Other Income	88	138	231	670	1,166
Extra-ordinary Items (as reported)	172	267	0	0	0
PBT	563	1,225	4,198	8,041	8,667
Tax	12	-26	379	615	663
Rate (%)	2.1	-2.1	9.0	7.7	7.7
Reported PAT	551	1,251	3,819	7,426	8,004
Extra-ordinary Income (net of expenses)	172	267	0	0	0
Adjusted PAT	379	984	3,819	7,426	8,004
Change (%)	-68.6	159.7	288.1	94.4	7.8
Consolidated PAT	441	1,518	3,859	8,442	10,328
Change (%)	-63.6	244.1	154.3	118.8	22.3

E: MOSt Estimates

DALANCE SHEET					
Y/E MARCH	2003	2004	2005	2006E	2007E
Equity Share Capital	122	243	869	2,896	2,896
Preference Share Capital	10	150	1,150	150	150
Share Application Money	0	0	0	0	0
Reserves	2,737	3,590	7,276	25,463	30,195
Less : Misc Exps	0	1	0	0	0
Net Worth	2,869	3,983	9,296	28,509	33,240
Loans	849	2,207	3,225	4,500	5,000
Capital Employed	3,718	6,190	12,521	33,009	38,240
Gross Fixed Assets	804	1,591	2,179	3,974	F F07
	173	309	2,179 576	•	5,597
Less: Depreciation  Net Fixed Assets	631			1,073	1,773
		1,282	1,603	2,901	3,825
Capital WIP	72	124	179	180	220
Investments	106	533	1,260	3,545	4,785
Deffered Tax Asset	34	174	276	300	300
Curr. Assets, Loans and Advances	5,100	8,080	16,351	36,447	39,707
Inventory	842	2,017	4,946	7,033	6,812
Debtors	2,459	3,173	6,763	10,365	10,596
Cash & Bank Balance	522	604	882	13,867	17,379
Loans & Advances	1,276	2,287	3,760	5,182	4,920
Current Liab. & Prov.	2,226	4,005	7,148	10,365	10,596
Net Current Assets	2,875	4,076	9,203	26,082	29,111
Application of Funds	3,718	6,190	12,521	33,009	38,240

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E: MOSt Estimates

BALANCE SHEET

RATIOS					
Y/E MARCH	2003	2004	2005	2006E	2007E
Basic (Rs)					
Adjusted EPS	3.3	6.9	15.0	25.6	27.6
Growth (%)	-40.2	110.2	117.2	70.2	7.8
Consolidated EPS	2.0	6.9	15.3	29.4	35.9
Growth (%)	-63.6	244.1	120.2	92.5	22.3
Cash EPS	38.2	46.1	47.6	27.4	30.1
Book Value	234.8	157.4	93.7	97.9	114.3
DPS	5.0	10.0	6.0	8.0	10.0
Equity Div.Payout (incl. Div. Tax.)	12.5	22.0	10.4	35.2	40.8
Profitability Ratios (%)					
RoE	27.6	45.3	63.5	40.6	26.0
RoCE	14.4	24.5	49.3	37.1	25.6
Turnover Ratios					
Debtors (Days)	270	146	129	140	140
Inventory (Days)	92	93	94	95	90
Current Liabilities (Days)	244	185	136	140	140
Asset Turnover (x)	6.1	8.3	13.3	12.0	8.2

0.3

0.6

0.3

0.2

0.2

E: MOSt Estimates

Leverage Ratio (x)
Debt/Equity

#### CASH FLOW STATEMENT

Y/E MARCH	2003	2004	2005	2006E	2007E
PBT before Extraordinary Items	391	958	4,198	8,041	8,667
Add :Depreciation	87	139	319	497	700
Interest	78	257	413	405	450
Less:Direct Taxes Paid	12	-26	379	615	663
(Inc)/Dec in WC	-581	-1,120	-4,849	-3,895	485
CF from Operations	-38	260	-297	4,433	9,638
EO Income	172	267	0	0	0
CF from Oper. incl. EO Items	134	527	-297	4,433	9,638
(Inc)/Dec in FA	-309	-843	-695	-1,796	-1,663
(Pur)/Sale of Investments	-36	-427	-727	-2,285	-1,240
CF from Investments	-345	-1,270	-1,422	-4,081	-2,903
(Inc)/Dec in Networth	-14	-1	1,803	14,384	0
(Inc)/Dec in Debt	461	1,357	1,019	1,275	500
Less:Interest Paid	78	257	413	405	450
Dividend Paid	70	276	412	2,621	3,272
CF from Fin. Activity	298	824	1,997	12,632	-3,222
Inc/Dec of Cash	87	81	278	12,985	3,513
Add: Beginning Balance	435	522	604	882	13,867
Closing Balance	522	604	882	13,867	17,379

E: MOSt Estimates

## NOTES

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