

AGENDA



Power Drivers

Company Overview

Performance Highlights

Major Developments

Status of Projects

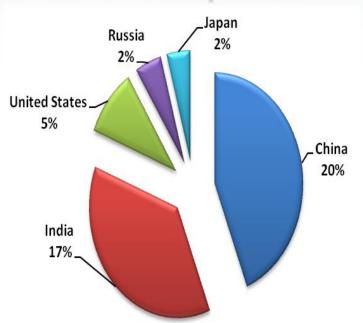
Way Forward



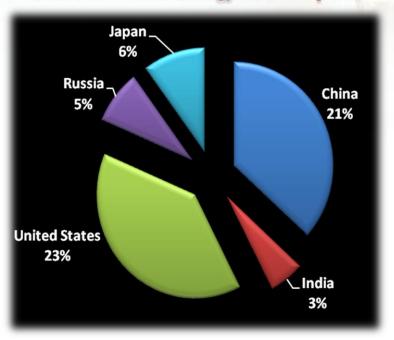
POWER: CATALYST TO GROWTH



Share of World Population



Share of World Energy Consumption

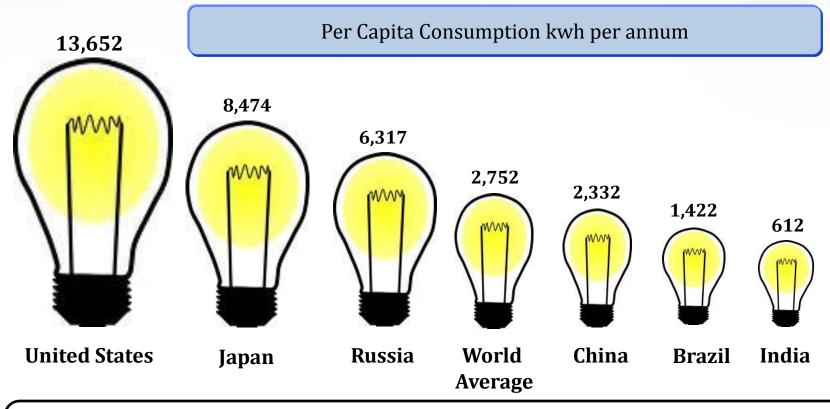


India makes up 17% of the world population yet consumes only 3% of the world energy

- ➤ India- historically characterized by energy shortages
- ➤ India's Peak Demand Deficit at 13.8% in Q1 FY 2011



DIFFERENTIALS IN POWER CONSUMPTION



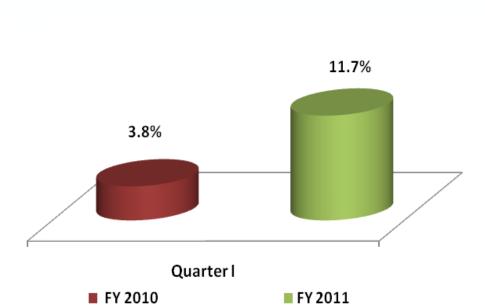
- **▶** Low Per Capita consumption & penetration of electricity
- >Merely 44% of the rural households have access to electricity

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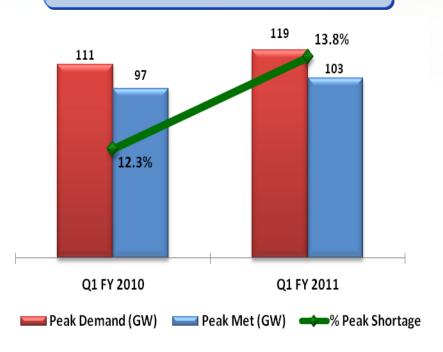
FAVOURABLE DYNAMICS







Demand Deficit Trend (Q1 FY 2011)

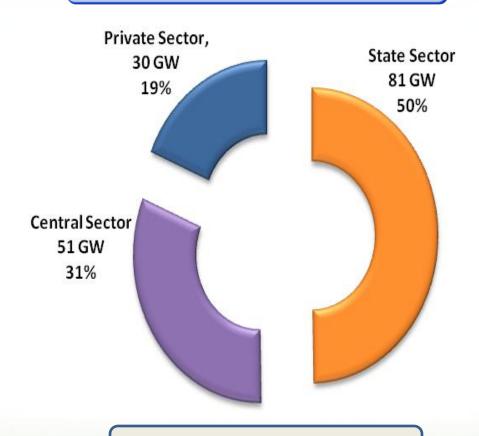


> Expanding base of industrial sector provides scope for huge development in the power sector



CAPACITY

Total Installed Capacity, June 30, 2010



Total Capacity: 162 GW



CHALLENGES

Inefficient
Transmission
networks &
Distribution
corridors

- •Fuel tie-ups & Financial closure
- •Cost push on account of fuel

CHALLENGES

- •Grant of timely approvals
- Potential government intervention

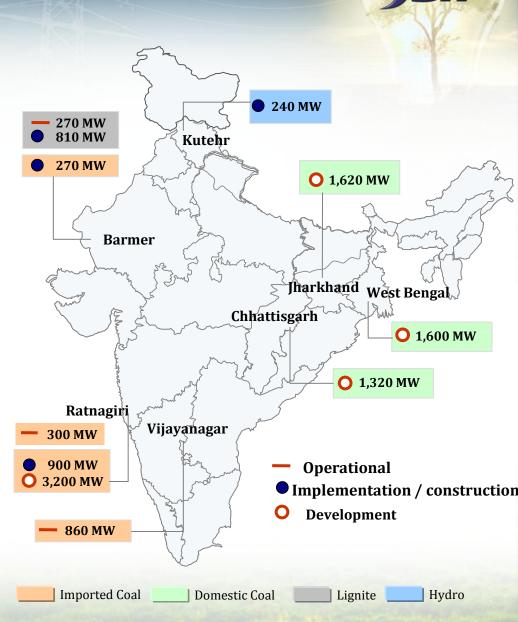
Infrastructural, Technological & Environmental concerns



OVERVIEW

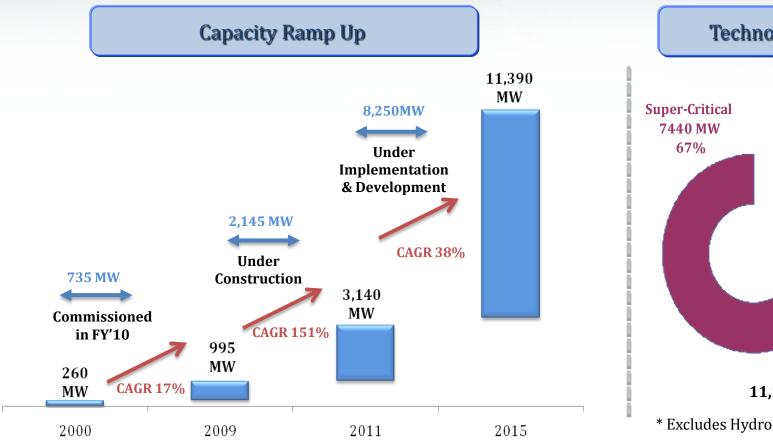
- Established power company with proven track record (since FY 2000)
- Present operating capacity: 1,430 MW
- 11,390 MW by FY 2016

Profit making since inception

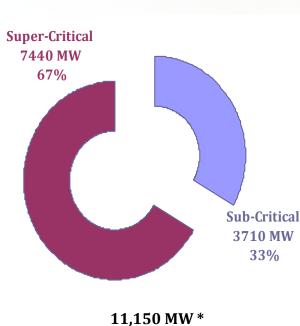




GROWTH DRIVEN BY TECHNOLOGY



Technology Mix



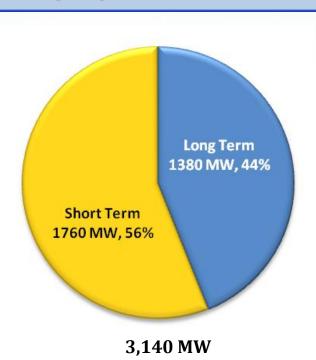
* Excludes Hydro Capacity of 240 MW

Synergies of Growth & Technological shift drives value creation

BALANCED OFF TAKE ARRANGEMENTS



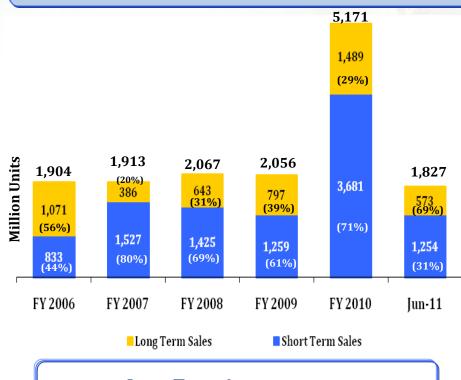
Significant Capacity Available for Short-Term Sales



Short Term Arrangements

 Ability to capitalise on better realisations provided by huge deficits

Established presence in Short-Term Sales



Long Term Arrangements

Stable cashflows with pre-defined return

Well Positioned to Capitalize on High Short to Medium Term Tariffs with capacity available for short term sales

ENHANCING FUEL SECURITY





- ➤ Majority Stake in SACMH coal assets, South Africa
- ➤ Long term coal contracts from Indonesia & Mozambique

Reducing Dependence on Imported Fuel

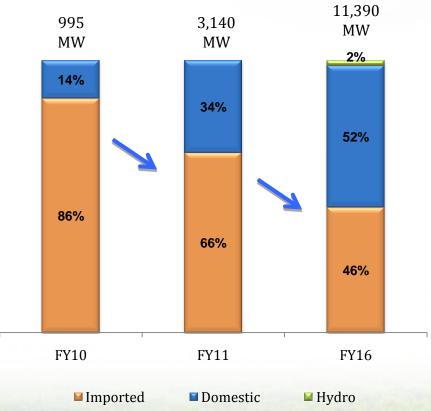


Diversified **Fuel Mix** reduces risk





- ➤ Kapurdi & Jalipa lignite mines, Rajasthan
- ➤ Coal block: Utkal A Gopalprasad (W), Orissa
- ► Ichhapur coal mine (through WMTDC), West Bengal



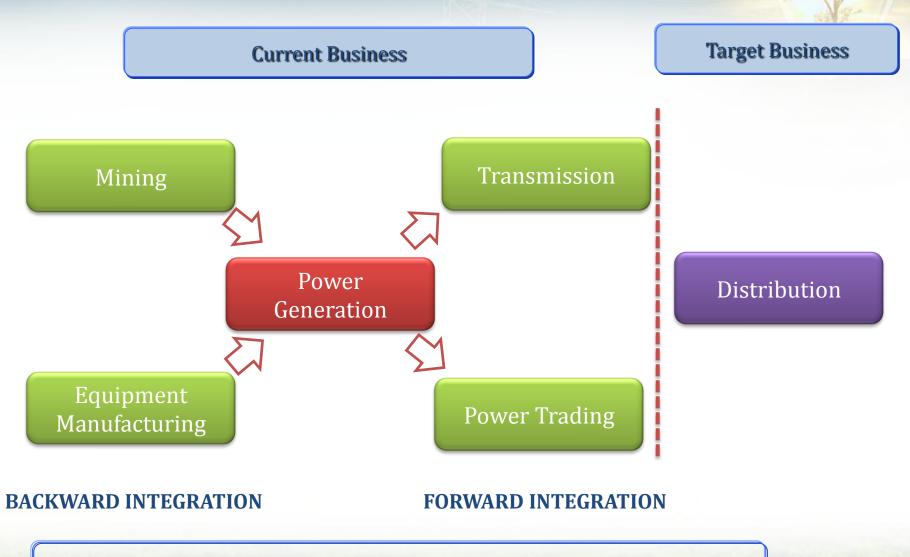


➤ Water from Ravi River



INTEGRATED APPROACH TO POWER SOLUTION





Aim to be present across the Value Chain



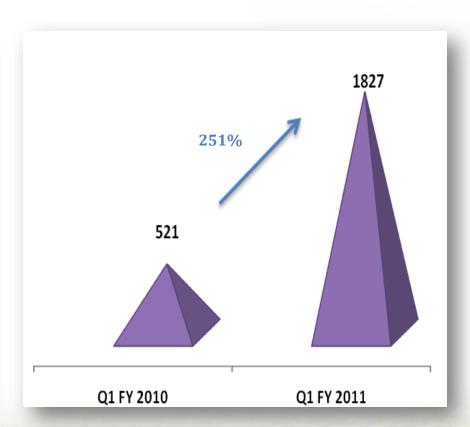


CAPACITY & VOLUME GROWTH

Capacity Growth (MW)

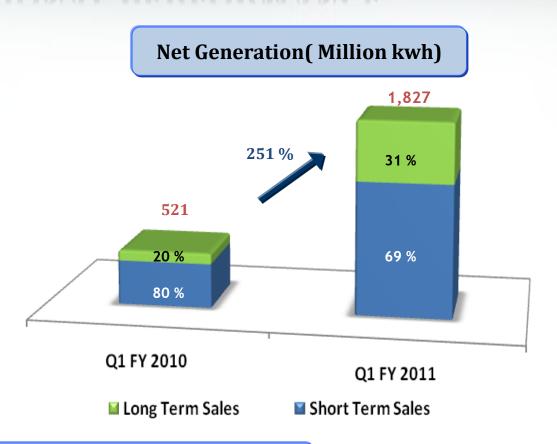
995 283% 260 Q1 FY 2010 Q1 FY 2011

Volume Growth (Million kwh)





OPERATIONAL PERFORMANCE



Realization ₹ per kwh / US Cents per kwh	Q1 FY 2010 Q1 FY 20		Y 2011	
Short Term Realisation	6.20	13.30	5.77	12.38
Average Realisation	5.66	12.15	5.09	10.92



OPERATIONAL PERFORMANCE

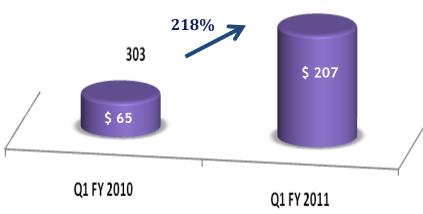
Q1 FY 10	NET GENERATION (Million kwh)	Q1 FY 11
521	Vijayanagar (SBU I)	500
	Vijayanagar (SBU II)	1,228
	Barmer (RWPL I)	99
521	TOTAL	1,827

Q1 FY 10	PLF (%)	Q1 FY 11
99.0%	Vijayanagar (SBU I)	95.1%
	Vijayanagar (SBU II)	101.3%
	Barmer (RWPL I)	42.4%

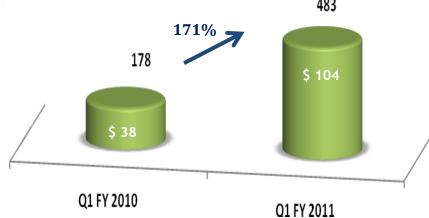
FINANCIAL HIGHLIGHTS- CONSOLIDATED







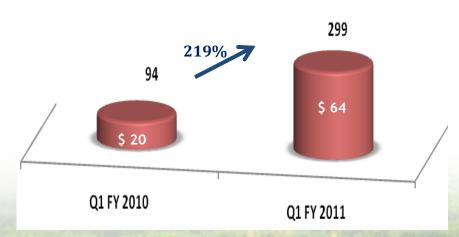
EBITDA (₹ Crores / US \$ Mio.) 483



PBT (₹ Crores / US \$ Mio.)



PAT (₹ Crores / US \$ Mio.)







SULIDA		כוחכי		Table 1
Q1 FY 2010			Q1 FY	2011
₹ Crores	USD Mio.		₹ Crores	USD Mio.
302.66	64.95	Total Income	962.87	206.62
178.25	38.25	EBITDA	482.82	103.61
58	3.89	EBITDA (%)	50	.14
38.24	8.21	Interest	73.66	15.81
14.90	3.20	Depreciation	46.66	10.01
125.11	26.85	PBT	362.49	77.79
93.63	20.09	PAT	298.64	64.09
0.61	1.31	EPS (Not Annualised) (₹ / US Cents)	1.82	3.91





	31st March 2010		30 th June 2010	
	(₹ Crores)	USD Mio.	(₹ Crores)	USD Mio.
Net Worth	4,780	1,026	5,079	1,090
Debt	7,870	1,689	7,972	1,711
Net Fixed Assets *	11,598	2,489	11,987	2,572
Debt Equity Ratio (Times)	1.0	65	1.	57
Weighted Average Cost of Debt (%)	11.	51	11	.42

*Including CWIP



UTILISATION OF IPO PROCEEDS

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Utilisation upto June 30,

₹ CRORES

USD MIO.

	2010
	Dowt Finance for Identified
(i)	Part Finance for Identified Projects
	Repayment of Corporate
(ii)	Debt
(iii)	Share Issue Expenses
(iv)	General Corporate Purpose
	Unutilised Amount
	invested in MF/Bank FD/
(v)	Utilised for reduction of
	Overdraft
	Gross Proceeds received
	from IPO

Project Utilisation as per Prospectus	Actual Amount Spent upto June 30, 2010
2,142.53	947.15
470.00	470.00
75.98	63.57
11.49	-
-	1,219.28
2,700.00	2,700.00

Project Utilisation as per Prospectus	Actual Amount Spent upto June 30, 2010
459.77	203.25
100.86	100.86
16.30	13.64
2.47	-
-	261.65
579.40	579.40



MAJOR DEVELOPMENTS

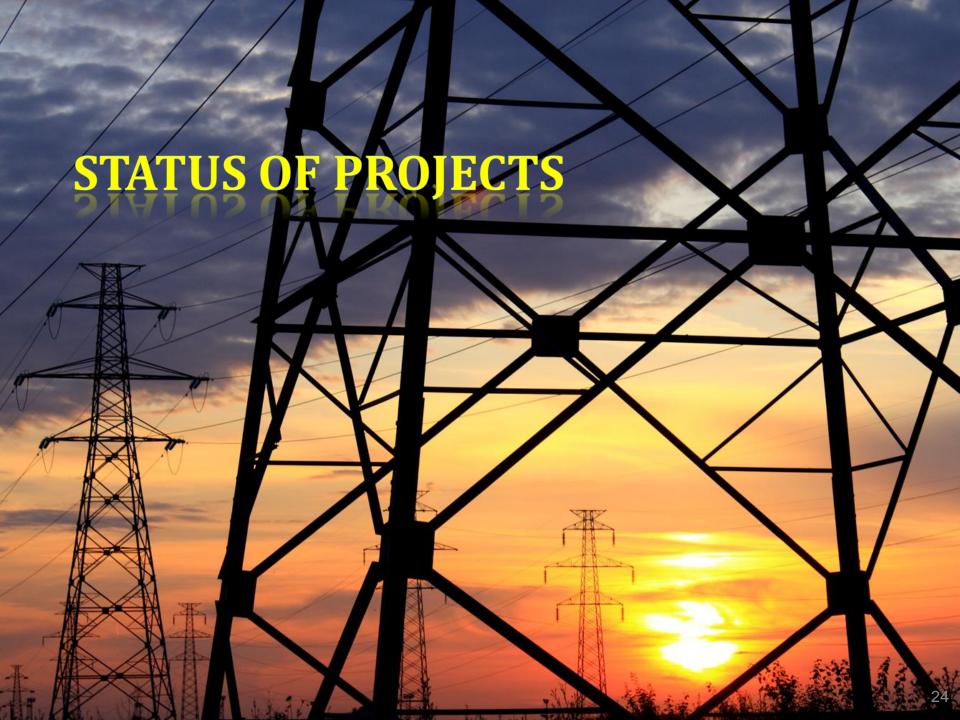
PROJECTS

- ➤ Unit I- Ratnagiri commercially operational on September 1, 2010
- ➤ Unit II- Barmer COD achieved on October 4, 2010

MERGER of JSWERL with JSWEL

RATIONALE

- **➤** Building robust corporate structure
- > Creates economies of scale through operation as single entity
- ➤ Stronger balance sheet of Consolidated Entity
- ➤ Ability to efficiently utilize entire surplus at holding company
- Ability to raise funds at low rate of interest







Project Details

Gross Capacity

1200 MW, 400 KV Transmission

Technology

Double Circuit Quad Moose Conductor Line

Procurement

Orders placed

Project Cost

₹ 580 Crores (US\$ 124 Mio.)

Debt:Equity: 75:25

Actual spent till Jun 30, 2010:

₹291 Crs (US\$ 62 Mio.)

Expected Commissioning

November 2010

Status Update

•Jaigad-Koyna Line 2 successfully charged

• Jaigad - Karad:

•Tower Foundations: 88%

•Tower Erection: 53%

•Stringing: 16%





Status Update

BLMCL	Mine development process commenced at Kapurdi MOEF Clearance received for Jalipa mines Mine development plan approved for Jalipa mines
	Expected to extract lignite by first quarter of calendar 2011 Land acquisition at advanced stage for Jalipa mines
MJSJ Coal	Public hearing process completed
	Land acquisition in process Target to commence production in 2011
JSW Toshiba	Order for mechanical & electrical works released Temporary power received at site
	Total project completion 47% Progress for Blade Shop 80% Blade manufacturing by 2011



GENERATION PROJECTS

RAJ WEST POWER LTD. I



Project Details

Gross Capacity

1,080 MW (8 x 135)

Technology

Sub-critical Captive Lignite based TPP

Fuel Linkage

FSA with BLMCL (49% JV) for supply of lignite from captive lignite mines of BLMCL

Water Allocation

Allocation from IGNP

Power Off take

Long Term :PPA for entire capacity with state Government distribution utilities

Project Cost

₹ 5000 Crs (US\$ 1073 Mio.)

Debt / Equity: 75:25

Amt spent till Jun 30, 2010:

₹ 4,556 Crs (US\$ 978 Mio.)

Status Update

- •Unit 2 COD October 4, 2010
- •Unit 3 & 4 boiler hydro test completed
- •Raw Water pipe line commissioned
- •Tapering coal linkage approved by Ministry of Coal

ISW ENERGY RATNAGIRI LTD. I



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Gross Capacity	1200 MW (4 x 300)
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Technology

Sub-critical Imported Coal based TPP

Fuel Linkage	Long term supply arrangement for
ruei Lilikage	Indonesian coal

Water	MIDC - Coo Wotor
Allocation	MIDC + Sea Water

	300 MW to MSEDCL for 25 years with
Power Off take	pass through
	Ability to avail short term rates for
	balance 900 MW

Project Cost	Debt / Equity: 75:25
Toject Cost	Amt spent till Jun 30, 2010: ₹ 3,812 Crs
	(US\$ 818 Mio.)

₹4500 Crs (US\$ 966 Mio.)

Expected	Unit I COD September 1, 2010
Commissioning	Entire project by FY 2011

Status Update

- •Boiler 2 light up done & steam blowing started
- •Commissioning of critical equipments in progress
- •Boiler 3 & 4 hydro test completed
- •TG put on barring

Particulars	% of total
PCC & RCC	94
TG Structural Fabrication	94
TG Structural Erection	87
Boiler-1 Erection	100
Boiler-2 Erection	100
Boiler-3 Erection	70
Boiler-4 erection	60

KUTEHR HYDRO PROJECT - 3 X 80 MW



Project Details

Status Update

Gross Capacity

240 MW (3 x 80)

Technology

Run-of-the-river Hydropower

Water Allocation

Ravi River

Power Off take

Free power to GoHP – 12% to 30% of delivered energy for 40 years. Balance through short term arrangements

Project Cost

₹1915 Crs (US\$ 411 Mio.)
Debt / Equity: 56:44
Amt spent till Jun 30, 2010:
₹80 Crs (US\$ 17 Mio.)

Expected Commissioning

September 2015

- •Prequalification of vendors completed for Main Civil Works
- •Public hearing for Environment clearance held successfully
- •Techno Economic Clearance from CEA received on August 30, 2010
- •Land acquisition under progress Five affected Gram panchayats have given NOC

CHHATTISGARH POWER PROJECT - 2 X 660 MW



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1,320 MW (2 x 660)

•Consent for chimney clearance given by **Airport Authority**

Status Update

Gross Capacity Super-critical domestic coal based **Technology TPP**

•Four bidders have purchased tender documents

MoU signed with GoCG for setting up a TPP along with integrated coal Authority mine

•Public hearing completed in August 2010

11% interest in coal block jointly **Fuel Linkage** allocated; applied for additional coal linkage

•Land acquisition in progress – 325 acres already acquired

Water Allocation

35 mn cmpa water allocated from Mahanadi River

Power Offtake

Combination of LTPPA and short term agreements with JSWPTC; 35% to State Govt.

Project Cost

₹ 6,500 Crs (US\$ 1395 Mio.) Amt spent till Jun 30, 2010: ₹33 Crs (US\$ 7 Mio.)

Expected Commissioning Unit I- July 2014 **Unit II November 2014**

WEST BENGAL POWER PROJECT - 1600 MW



Project Details

Gross Capacity	1,600 MW (2 x 800)
Technology	Super-critical Domestic coal based TPP
Share Holding	74 % - JSWEL 26 % - JSW Bengal Steel Limited
Fuel Linkage	Ichhapur Mines- WBMDTC to supply fuel
Power Off take	Captive sale to the steel plant on two part tariff framework and balance for outside sale
Project Cost	₹ 7680 Crs (US\$ 1648 Mio.)for Power plant; ₹ 2000 Crs (US\$ 429 Mio.)for Mines Development Amt spent till Jun 30, 2010: ₹ 28 Crs (US\$ 6 Mio.)

Status Update

- Water availability study conducted
- •In principle approval received for entering into a LT PPA for surplus power
- Agreement executed for coal raising & coal procurement
- DPR finalised
- •Bids invited for BTG equipment supply
- •PPA with WBSEDCL for sale of up to 200 MW of power out of each 800 MW unit is under process
- •Phase-wise implementation being worked out

Unit I: 2014

Unit II: 2015

Expected

Commissioning

JSW ENERGY RATNAGIRI LTD. II- 4 X 800 MW



Project Details

Status Update

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Gross		
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3,200 MW (4 x 800)

Technology

Super-critical imported coal based TPP

Authority

Letter of support from Government of Maharashtra

Fuel Linkage

Imported Coal from Indonesia and Mozambique - Agreements in place

Water Allocation

Sea Water

Power Offtake

Participated in bids for power tie-up

Project Cost

₹150 Bn. (US\$ 32 Bn.) Amt spent till Jun 30, 2010: ₹41Crs (US\$ 9 Mio.)

Expected Commissioning

April 2015



•Substantial land in possession



•Process of obtaining necessary consents and approvals

JHARKHAND POWER PROJECT - 1620 MW



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Status Update

Gross Capacity

1620 MW (2 x 660, 1 x 300)



Land identified

Technology

1,320 MW - Super-critical Domestic coal based TPP; 300 MW Sub-critical



•Applied for coal linkage

Authority

MoU with GoJ

Water Allocation

Water is proposed to be sourced from the Subarnarekha river

Power Offtake

25% to State Government; rest through LTPPA and STPPA with JSWPTC

Project Cost

₹79 Bn. (US\$ 17 Bn.)

Expected Commissioning

August 2015





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Gross Capacity **270 MW (2 x 135)**

Technology Subcritical Captive lignite based TPP

Fuel Linkage Applied to Ministry of Coal

Water Allocation From IGNP

Power Off take Short Term power purchase arrangements

Project Cost (US\$ 290 Mio.); Amount spent till Jun 30, 2010: ₹ 62 Crs (US\$ 13 Mio.)

Total Cost: ₹ 1350 Crs

Expected Commissioning January 2013

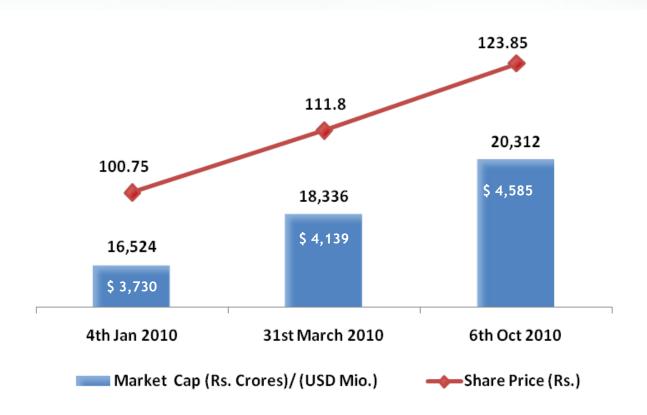
Status Update

• Land in possession

Applied for coal linkage







23 % Increase in Market Capitalisation from the date of listing

WAY FORWARD







Harness growth opportunity provided by the sector

Enhance fuel Security

Straddle all segments of power business

Balanced Off – Take Arrangements



ANNEXURE





Q1 FY 2010			Q1 FY 2011	
₹ Crores	USD Mio.		₹ Crores	USD Mio.
349.22	74.94	Total Income	922.18	197.89
216.17	46.39	EBITDA	495.42	106.31
61.90		EBITDA (%)	53.72	
37.57	8.06	Interest	58.86	12.63
14.76	3.17	Depreciation	38.38	8.24
163.84	35.16	PBT	398.18	85.45
132.73	28.48	PAT	327.20	70.21
0.87	1.87	EPS (Not Annualised) (₹ / US Cents)	2.00	4.29



RAJ WEST POWER LIMITED



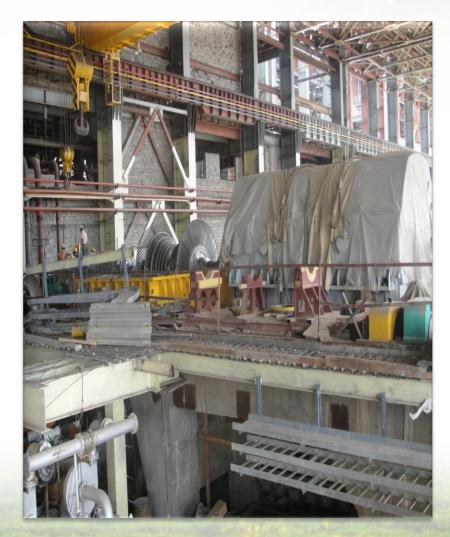
RAJ WEST POWER LIMITED



Unit 3 TG Set







RAJ WEST POWER LIMITED



Unit 5 Boiler & ESP

Unit 6 Boiler











UNIT I Synchronized

JSW ENERGY RATNAGIRI LIMITED





KUTEHR HYDRO PROJECT

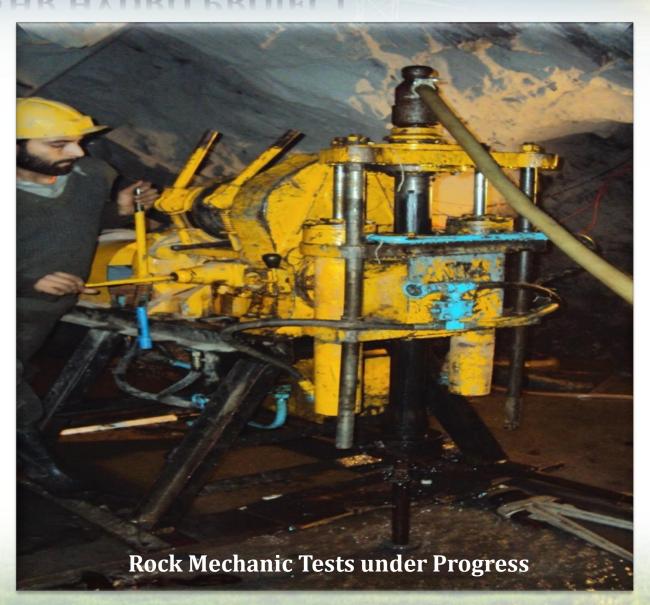




Proposed Colony Site







JAIGAD POWER TRANSMISSION LIMITED





JSW TOSHIBA



Site Overview





FORWARD LOOKING & CAUTIONARY STATEMENT

Certain statements in this report concerning our future growth prospects are forward looking statements, which involve a number of risks, and uncertainties that could cause actual results to differ materially from those in such forward looking statements. The risk and uncertainties relating to these statements include, but are not limited to risks and uncertainties regarding fluctuations in earnings, our ability to manage growth, intense competition within Power industry including those factors which may affect our cost advantage, wage increases in India, our ability to attract and retain highly skilled professionals, time and cost overruns on fixed-price, fixed-time frame contracts, our ability to commission mines within contemplated time and costs, our ability to raise the finance within time and cost client concentration, restrictions on immigration, our ability to manage our internal operations, reduced demand for power, our ability to successfully complete and integrate potential acquisitions, liability for damages on our service contracts, the success of the companies in which the Company has made strategic investments, withdrawal of fiscal/governmental incentives, impact of regulatory measures, political instability, legal restrictions on raising capital or acquiring companies outside India, unauthorized use of our intellectual property and general economic conditions affecting our industry. The company does not undertake to update any forward looking statements that may be made from time to time by or on behalf of the company.