# **STEEL & POWER**

Corporate Presentation, May '2013`

JINDAL STEEL & POWER LIMITED



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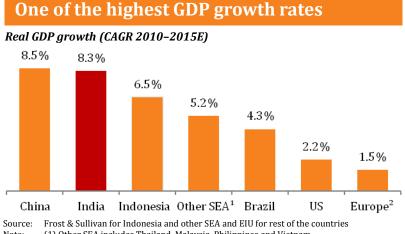
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# Jindal Steel & Power Limited Face of Youthful Dynamism

# India is a fast growing economy driven by domestic consumption



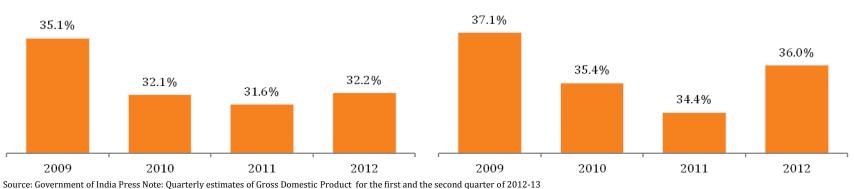


 Source:
 Frost & Sullivan for Indonesia and other SEA and EIU for rest of the countries

 Note:
 (1) Other SEA includes Thailand, Malaysia, Philippines and Vietnam

 (2) Europe includes Austria, Belgium, France, Italy, Germany, Netherlands, Spain and UK

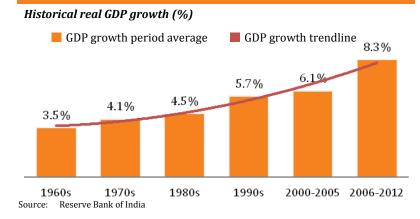
#### Savings and investment trends



Total investment (% of GDP)

#### Gross national savings (% of GDP)

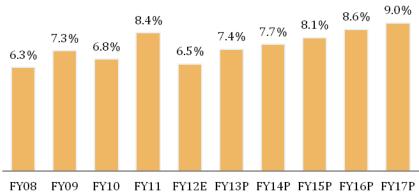
#### Strong momentum of GDP growth



source: government of india Press Note: Quarterly estimates of Gross Domestic Product for the first and the second quarter of 2012-13

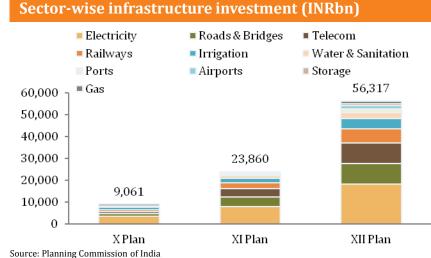
## Rapidly increasing infrastructure spend





Source: Planning Commission of India

#### Infrastructure investment as % of GDP



Note: X Plan investments at 2006-07 prices; XI and XII Plan investments at current prices

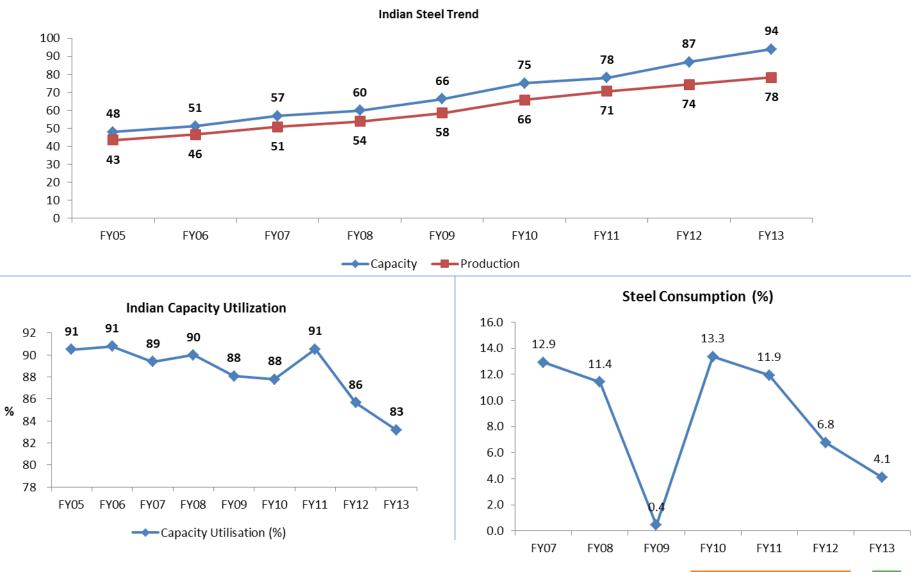
With robust growth across key end-use segments				
Share of FY12 consumption	Growth prospects			
63%	<ul> <li>Major consumer of long products such as rods, bars/coil sections, wire and reinforcing material</li> <li>Growth on the back of robust infrastructure spending by the government</li> <li>FY02-FY12 construction GDP CAGR of 9.6%; FY12-FY21 projected CAGR of 8.5%-9.5%</li> </ul>			
22%	<ul> <li>Capital goods and consumer durables driving demand growth</li> <li>FY02-FY12 manufacturing IIP CAGR of 8.4%; FY12-FY21 projected CAGR of 7.5%-8.8%</li> </ul>			
10%	<ul> <li>Prime demand driver for cold rolled steel</li> <li>FY02-FY12 auto production CAGR of 14.4%; FY12-FY21 projected CAGR of 11.5%-12.5%</li> </ul>			
3%	<ul> <li>FY07–FY12 demand CAGR of 8.2%; FY12–FY21 projected CAGR of 8.5%–9.2%</li> </ul>			
2%	<ul> <li>Demand driven by rail, ship building, containers, cycle manufacturing, etc.</li> <li>FY05-FY11 freight demand (major commodities) CAGR of 7.3%; FY12-FY21 projected CAGR of 7.0%-7.6%</li> </ul>			
	Share of FY12 consumption 63% 22% 10% 3%			

Source: November 2012 report titled "India Steel Vision 2020" published by World Steel Association Note: Total FY12 India finished steel consumption of 71 MT

#### Jindal Steel & Power Limited 5

## Snapshot of Indian Steel Industry

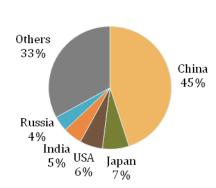


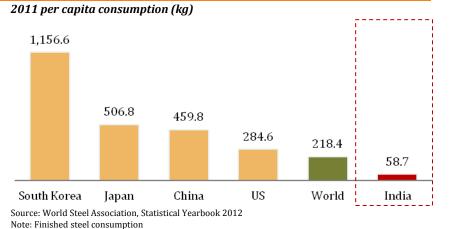


## *India is expected to witness strong steel demand...*



#### India has one of the lowest per capita steel consumption in spite of being the 4<sup>th</sup> largest steel producer in the world

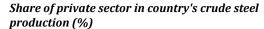


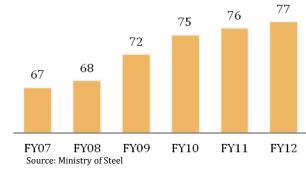


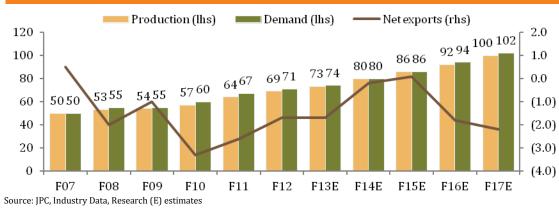
Source: World Steel Association

Indian steel demand is expected to outrun supply, upholding the continuing trend of India being a net importer





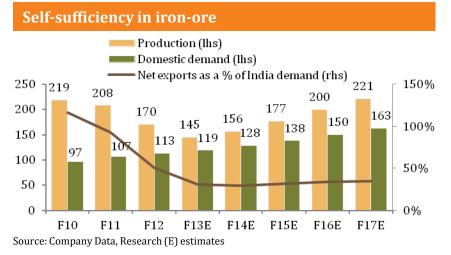




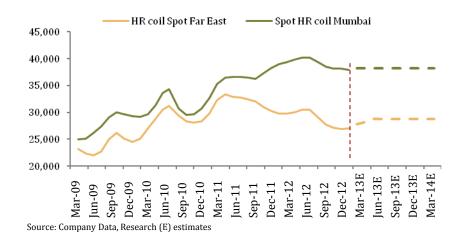
World crude steel production (as of 2011)

## ... with continued stability in price outlook

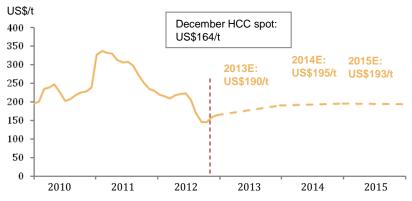




#### Steel price forecasts for Far East Asia and India



#### **Declining coking coal prices**



Source: Historical HCC FOB Australia spot prices for Peak Downs and Saraji brands from AME, December broker consensus estimates for 2013, 2014; 2015

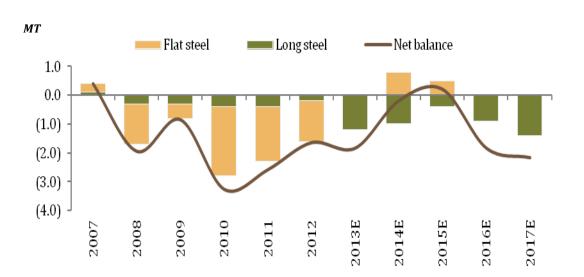
#### **Key comments**

- India steel prices is expected to remain stable as compared to the regional markets on back of:
  - Domestic supply growth lagging behind demand growth
  - In spite of falling iron ore prices, the Indian steel prices are insulated on account of use of captive iron ore
  - INR depreciation has led to high import parity prices, despite falling steel prices in Asian and CIS markets
- However any further correction in Asian and CIS prices could impact Indian steel prices

# Steel companies with larger exposure to long products to benefit from continued deficit in longs



India – Flat Steel: Some surplus in F14e and F15e and then into deficit again; Long Steel – Shortage getting more acute



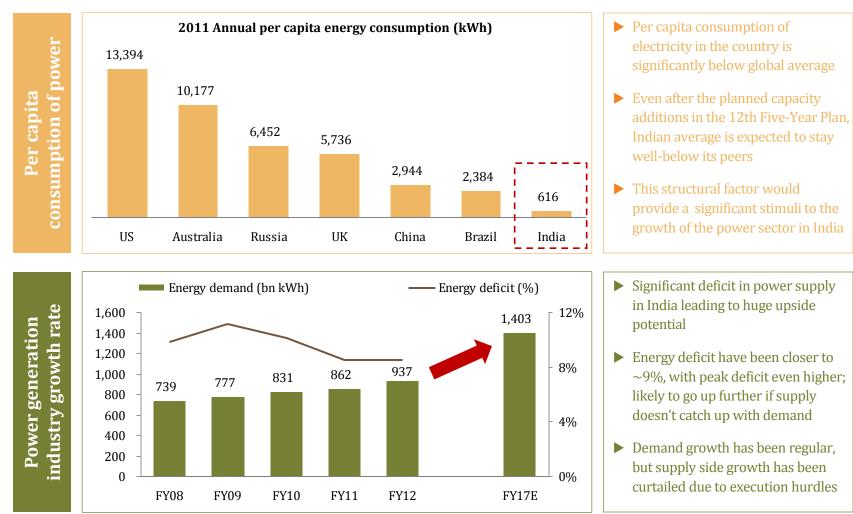
Source: JPC, Industry Data, Research (E) estimates

Source: Company Data, Research

#### Longs to have higher demand growth

- There has been a strong long steel products demand due to its heavy usage in construction and infrastructure
- Supply growth for longs will likely lag behind demand growth, as majority of new capacities being added by the steel players are for flat products
- Over next two years long prices are expected to display better trends than flat prices
- Additional factors contributing to longs deficit:
  - Higher capital outlays required & longer drawn out projects for flats implying higher commitment for flat projects
  - Raw materials shortage hurts long producers more than flat producers
  - Resulting in small steel makers closing long capacities, due to sustainably increased costs of production owing to increased costs for iron ore and thermal coal
  - Few large steel makers are adding long capacities

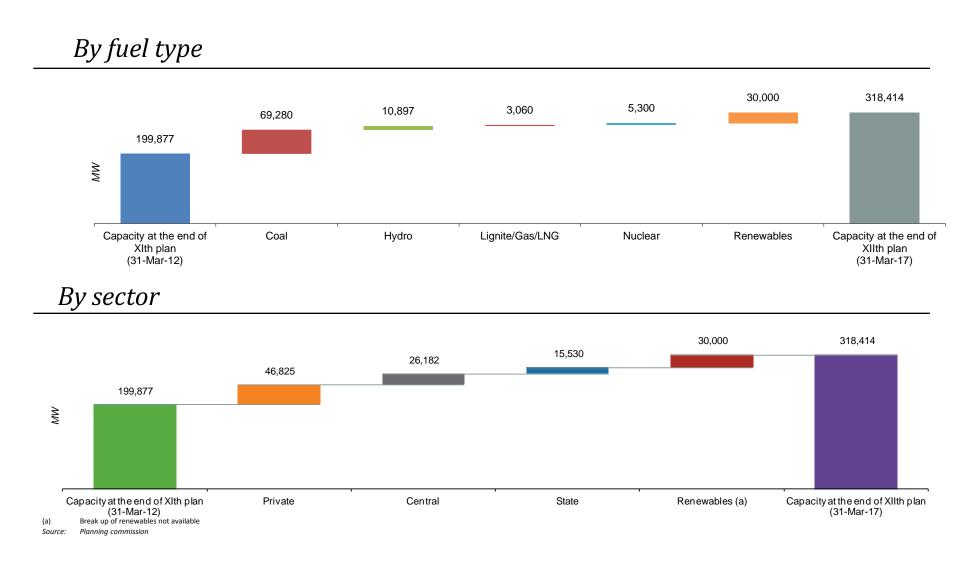
# *The Indian power industry is forecasted to witness robust growth in the medium to long term driven by structural macro factors*



Source: Company filings, World Bank, Global Insight

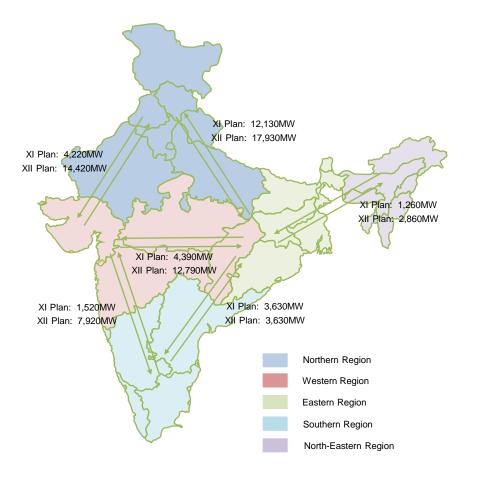
STEEL & POWER



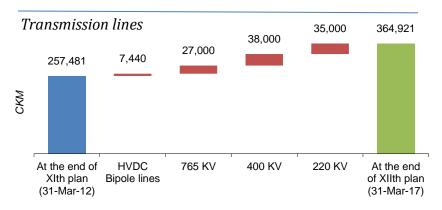


#### and robust investment to address transmission bottleneck

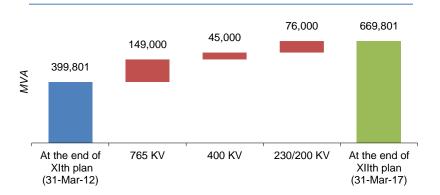




XII plan targets



#### Sub-station



Source: Planning commission

#### ... to keep tariffs at attractive levels for IPP





#### Average power purchase cost of SEBs

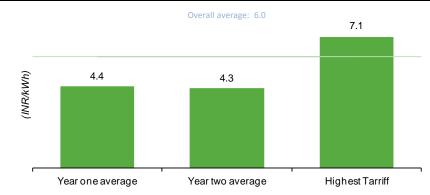
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#### Merchant tariffs' forecast

Source: Broker research

#### Recent bids submitted by IPP to SEBs



Note: Year one and year two averages are the tariffs submitted to MERC, highest tariff and overall average are from the quotes given to Uttar Pradesh Power Corporation

Source: Maharashtra Electricity Regulatory Commissions ("MERC"), The Economic Times

#### Key issues faced by the power sector in India Fuel supply security



Issue				Steps being taken to address the issue	JSPL not impacted		
India has be		Coal imports (mm tons)			<ul> <li>Govt. has proposed that Coal India signs FSAs for 80% of ACQ (Annual Contracted Quantity) for domestic coal based plants with long term PPAs</li> </ul>		
<ul> <li>For coal min.</li> <li>High price o Indonesian prestricted su</li> <li>Infrastructu lack of railw rakes/wago</li> </ul>	f imported coal – government has upply re bottlenecks like	16 22	114 87 13 711 FY12 FY13	4 3E FY14E FY15E	<ul> <li>Govt. is also considering price pooling of coal with the supply deficit in coal from Coal India met through imported coal</li> <li>Govt. has also mooted auctioning of coal blocks and associated power plants (on the lines of UMPPs) and has identified such blocks</li> </ul>	JSPL has access to captive mine for its operational portfolio and has coal linkages for 1,200MW under construction	
<ul> <li>acquisition a</li> <li>Delays in en</li> <li>High price o</li> <li>Infrastructu a constraint</li> </ul>	of coal from Coal India h and infrastructural issue vironmental clearance f if imported coal – Indone re bottlenecks like lack o spute for tariff hikes Plant Mundra Krishnapatnam	es for coal mines esian government ha	s restricted supply gons/railway lines Levelised tariff (Rs/unit) 2.3	7	<ul> <li>Some relief could also be realized on the long term PPA side where tariff renegotiation on unviable PPAs could be allowed by CERC</li> <li>Unviable long term PPAs has resulted in excessive cautious nature while bidding for the</li> </ul>	<ul> <li>JSPL operating plant is sold at merchant tariff and the company aims to enter into PPA</li> </ul>	

#### Key issues faced by the power sector in India (cont'd)



Issue	)			Steps being taken to address the issue	JSPL not impacted
<ul> <li>exp</li> <li>Con resc corr</li> <li>Higl corr mon</li> <li>Vola pose</li> </ul>	ks have a high existing osure to the sector npanies might need to ort to raising equity in ning months h leverage for most power npanies makes fund raising re challenging atile and uncertain markets e uncertainties for power npanies to raise funds	sector (US\$mm) 18,836 16,145	24,604 19,916 21,547 19,916 51,547 5713E FY14E FY15E	<ul> <li>Govt. is taking steps to free up bank appetite for power sector by encouraging refinancing of operational power projects through institutions such as IIFCL</li> <li>Positive news flow on the sector may also allow high quality issuers to raise equity capital in the near term</li> </ul>	<ul> <li>JSPL has already secured funding for its under construction 1,200MW and has sufficient liquidity /headroom</li> </ul>
<ul> <li>Hur</li> <li>Fina add</li> <li>Hur</li> <li>Good and a state of the sta</li></ul>	tan commence	earances and regulatory ap		<ul> <li>Government is taking steps to reduce the number of clearances required for setting up a power plant from the current number of 66 clearances required</li> <li>National Investment Board to issue fast-track clearances for mega infra projects</li> <li>Policy for captive mines allocations are expected at a faster pace for the next wave of growth</li> </ul>	<ul> <li>JSPL has received all environmental and regulatory approvals</li> </ul>

Source: Equity Research SEB: State Electricity Board

#### Key issues faced by the power sector in India (cont'd)



#### **Financial** condition of SEBs Reduced capability of SEB losses (US\$bn) FY11 FY12E FY08 FY09 FY10 Average 40% hike in tariffs required to fend (11)(14)pay commission to put (16) (27)be rampant (33)

#### Steps being taken to address the issue

- ► Tariff hikes by several loss-making SEBs
- In Sep 2012, CCEA approved the scheme for Financial Restructuring of discoms
  - 50% of short term debt to be converted to bonds issued by discoms, backed by State Govt. guarantee
  - Remaining 50% to be re-scheduled by providing moratorium on principal
  - Central Govt. will provide grants equivalent to energy saved by containing AT&C losses

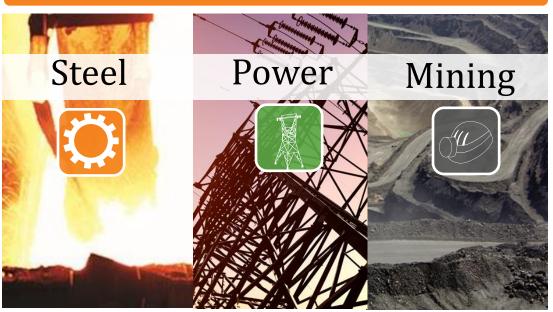
SEBs Tariff Hikes				
States	Period	Percentag e		
Tamil Nadu	Apr-12	37.0		
Delhi	Jun-12	26.0		
Andhra Pradesh	Dec-11	25.0		
Orissa	Apr-12	25.0		
Rajasthan	Sep-11	23.0		
Jharkhand	Aug-11	18.5		
Chhattisgarh	Apr-11	17.0		
Uttar Pradesh	Apr-10	13.0		
Himachal Pradesh	Apr-12	13.0		
Bihar	Mar-12	12.0		
Maharashtra	Dec-11	10.0		
Haryana	Sep-11	10.0		
West Bengal	Mar-12	9.0		
Punjab	May-11	8.4		
Madhya Pradesh	Mar-12	8.0		
Uttarakhand	Apr-12	7.0		
Gujarat	Jun-12	1.5		
Source: SERC, Media, Karvy Institutional Rese UP	Oct-12	18.0		

# JSPL at a glance



- Jindal Steel & Power Limited (JSPL) is a major player in steel, power and mining
- Captive coal mines -Dongamahua and Tamnar (Chhattisgarh)
- Iron ore mine Tensa, Odisha and iron ore pelletisation plant at Barbil, Odisha
- Also present in Asia, Africa, Australia and Europe
- Revenues of US\$3.64bn and cash profits of US\$ 0.84 bn (FYE Mar'13)
- Market capitalization of US\$5.2bn as on May, 13

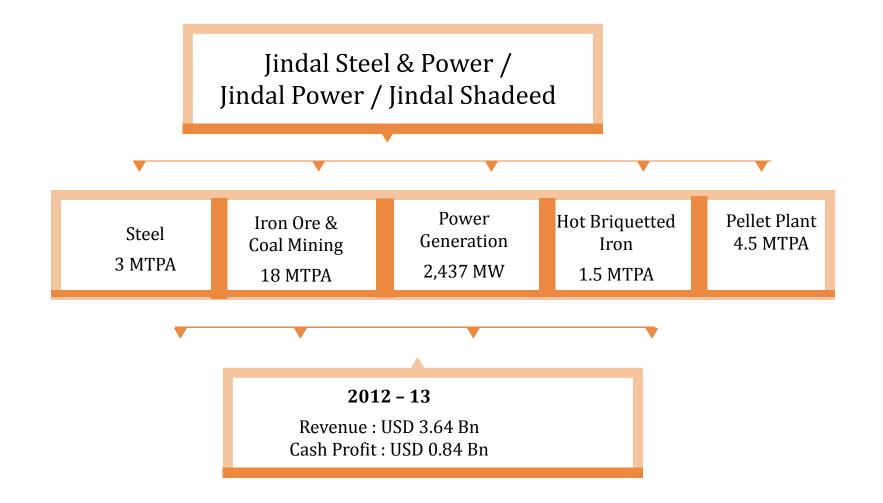
#### **Business segments**



- Steel: 3MMTPA
- Hot Briquetted Iron: 1.5 MTPA
- Pellet Plant: 4.5 MTPA
- Operational: 2,437MW
- Iron ore: 2 MTPA
- Coal: 16 MTPA

# Corporate Snapshot





# Overview of steel facilities

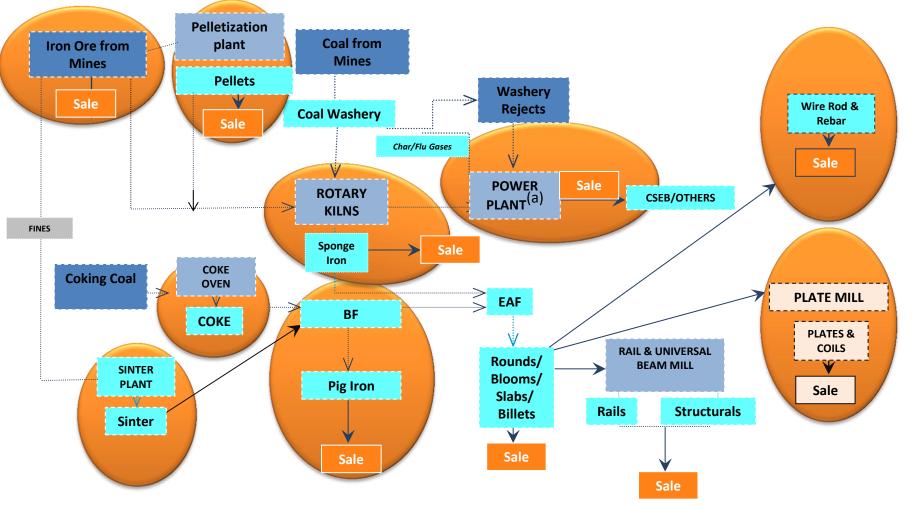


#### Raigarh Angul **Barbil Patratu** Sponge Iron: 1.37MT Plate Mill: 1.5MT Wire Rod: 600,000 T Pelletization Plant: 4.5MT Steel: 3.0MT Bar Mill: 1.0MT Fabricated structures: Pelletization Plant: 4.5MT 40,000 T Pig Iron: 1.67MT Coke Oven: 1.7MT Expected Completion date by: Rail & Universal Beam Mill: Power: 540 MW FY 2013-14 0.75MT Plate Mill: 1.0MT Raipur Medium & Light Section Mill: ■ Coal Washery: 1.2MT 0.6MT **O**man Sponge Iron based on Coal Fabricated structures: 0.12MT Gasification: 1.8MT Ferro Alloys: 36,000 T JINDA ■ Mild Steel: 1.64MT Power: 893 MW Sponge Iron: 2.0MT Power: 270 MW HBI Plant: 1.5 MTPA Machinery & Castings: 11,500 T Expected Completion by Phase 1: SMS Plant : 2 MTPA FY 2013-14 Ingots: 30,000 T Expected Completion by FY ■ CF Castings: 3,000 T 2013-14 Operational Under implementation

lindal Steel & Power Limited 19

# JSPL integration





(a) Captive Power Plant supplies power to all facilities

# JSPL: Existing Steel Plants





- 3 MTPA integrated steel plant at Raigarh, Chhattisgarh
- 1.4 MTPA sponge iron plant at Raigarh, Chhattisgarh
- > 1.7 MTPA hot metal at Raigarh, Chhattisgarh
- 4.5 MTPA Pellet Plant at Barbil, Odisha
- 1.6 MTPA Wire & Bar Mill at Patratu, Jharkhand
- 1.5 MTPA HBI Plant at Sohar, Oman

# JSPL: Existing Mining Operations

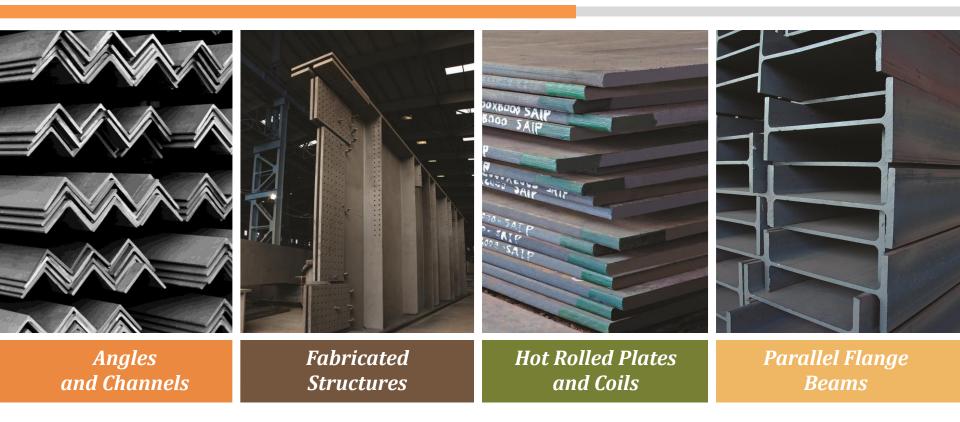




- 12 MTPA Coal mining for Captive use, Chhattisgarh
- 2 MTPA Iron Ore mining, Odisha
- 1 MTPA Anthracite Coal mining, South Africa
- > 3 MTPA Coking Coal & thermal Coal mining, Mozambique

# Product range





# Product range





**Expansions** - Steel



#### **Jharkhand - India**



- Setting up an 3 MTPA integrated steel plant and a 1,320 MW captive power plant
- Currently 1.6 MTPA Wire and Bar Mill operational and balance facility expected by March, 2016

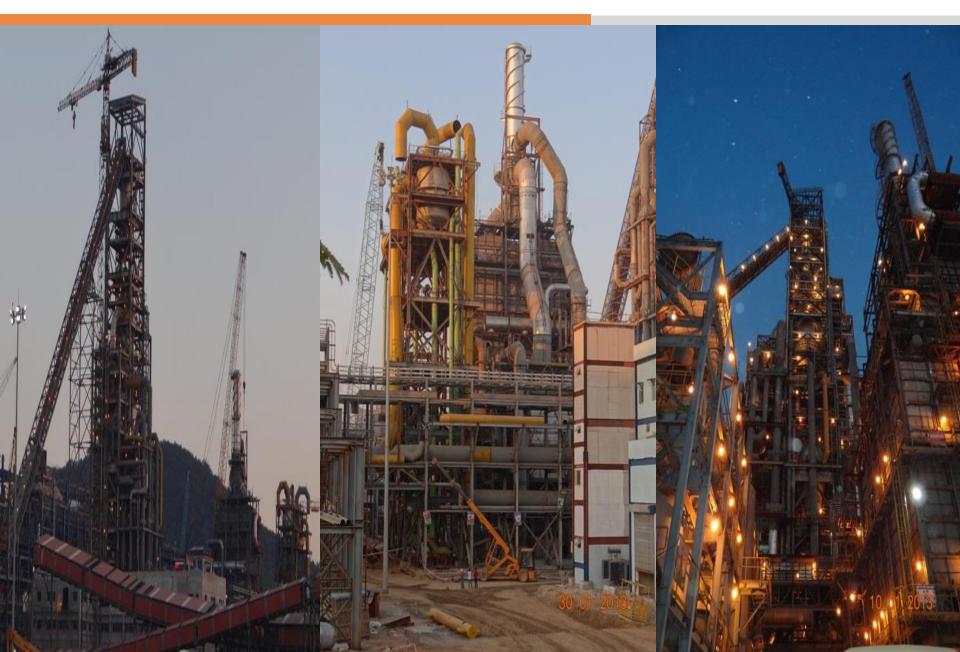
#### Orissa - India



- Setting up a 1.6 MTPA integrated steel plant and a 810 MW captive power plant
- Currently 540 MW Power Plant is in operation out of 810 MW which will commission by March 13 and rest of the facility expected by September, 13

# DRI – Angul (Orissa)





CGP – Angul (Orissa)





# SMS – Angul (Orissa)





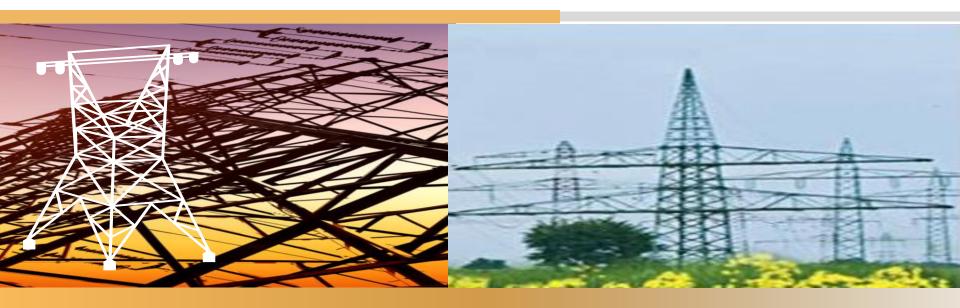






# JSPL: Existing Power Plant





- 1000 MW IPP, Chhattisgarh (Under JPL)
- ▶ 893 MW CPP, Chhattisgarh
- 540 MW CPP, Odisha
- 24 MW Wind Power, Maharashtra

# Jindal Power limited (JPL) – subsidiary company





Jindal Power Limited (JPL) has earned the distinction of setting up a 1000 MW - India's first mega power project in the private sector at Tamnar, Chhattisgarh

- Adding a 2,400 MW (4 x 600 MW) thermal power plant to the existing 1,000 MW thermal power plant
- Project portfolio (15,660 MW) are in various stages of operation, implementation and planning
- Signed agreements for 6,100 MW hydro electricity projects in Arunachal Pradesh

# Jindal Power limited (JPL) – subsidiary company





Main Plant



6.9 km cross country pipe conveyor belt for coal transportation



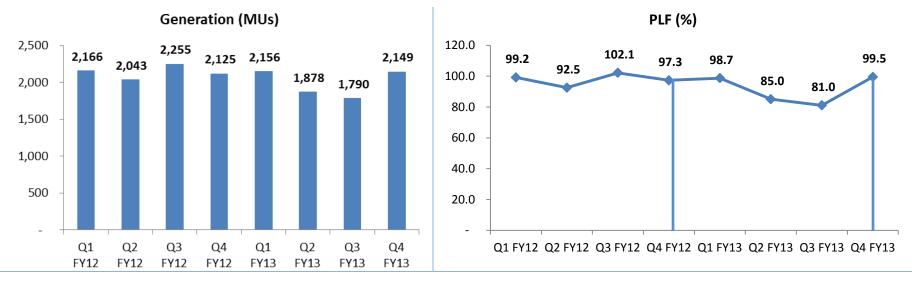
258 km transmission line from Raigarh to Raipur



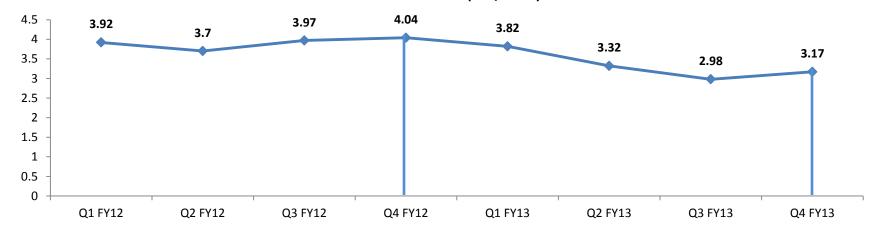
**Captive Coal Mine** 

# Snapshot of JPL's Performance



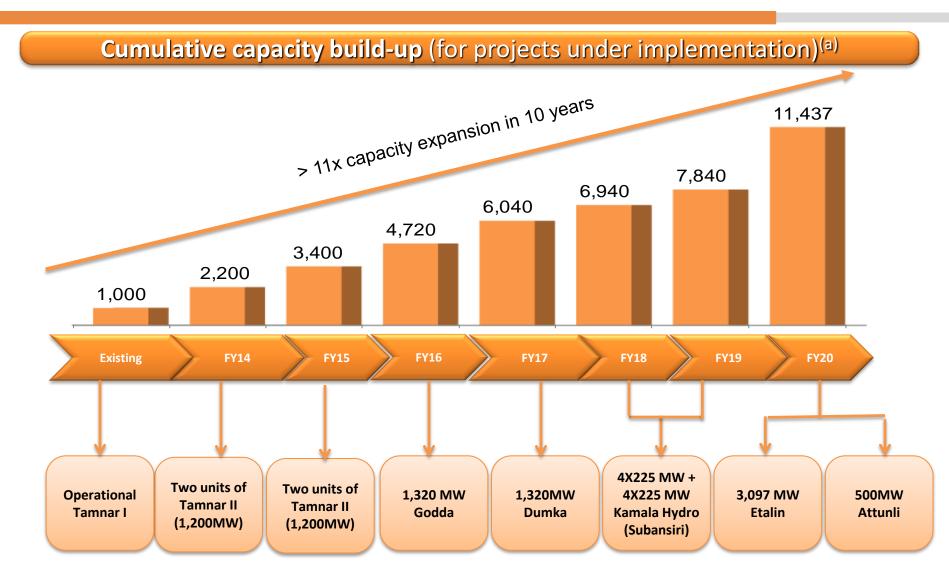


Gross Realization (Rs. / kWh)





# Capacity build-up timeline of JPL

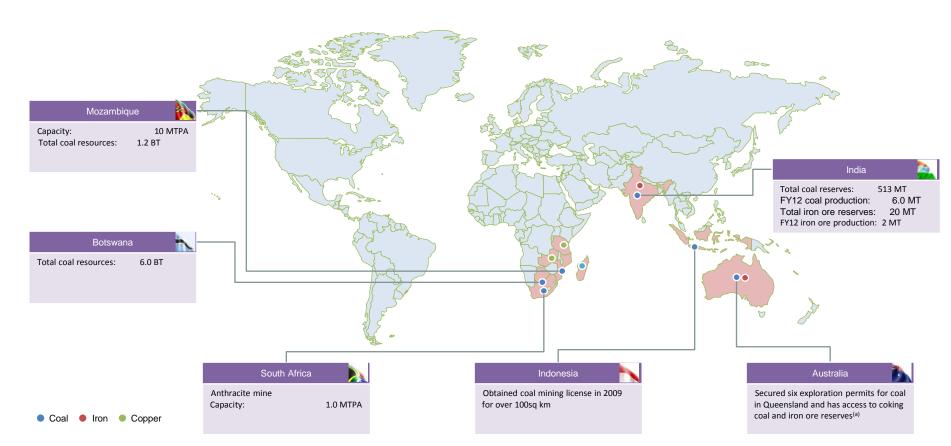




Name (Size)	Туре	Source Of Raw Material			
Operational					
Tamnar I (1,000 MW)	Thermal	Captive Mine			
Under Implementation Projects (10,237 MW)					
Tamnar II (2,400 MW)	Thermal	Linkage			
Dumka (1,320 MW)	Thermal	Captive Mines			
Godda (1,320 MW)	Thermal	Captive Mine			
Hydro (6100 MW)	Hydro	Run Of The River			

# *Geographical footprint – mining operations*





(a) JSPL owns 31.49% stake in Gujarat NRE Coking Coal Ltd (estimated coal reserves of 125MT and resources of 651MT), and plans to acquire majority stake in iron ore assets of Apollo Minerals (current stake of 11.7%)

(b) Includes only operational mines

Source: Company data

# Oman, Middle East





- In July 2010, JSPL acquired Shadeed Iron & Steel Co. LLC (Shadeed), a company incorporated under the laws of the Sultanate of Oman
- Shadeed has installed a 1.5 MTPA Gas-based HBI plant at Sohar Industrial Port with an investment of US\$ 525 million and commenced production in January 2011
- Adding a steelmaking facility of 2 MTPA in Oman; it will set up the first integrated steel plant in the Sultanate of Oman

## Oman, Middle East





## Design and Capacity

- ► Furnace Type: MIDREX
- Capacity: 1.5 Million Tons Per Year HDRI and HBI
- Phase 1: 2 MTPA Steel Making Product (Billet)
- Phase 2: 2 MTPA Rebar and Section Mills

# Indonesia, Asia





- Invested for the development of two greenfield exploration assets in Indonesia
- Both the mines are located within Central Kalimantan Province of Indonesia

# Indonesia, Asia





## Coking Coal Asset

Exploration License over 100 square kilometre in Central Kalimantan

Medium to large size deposits of prime hard coking and thermal coal for open-cast operation Pit Sampling

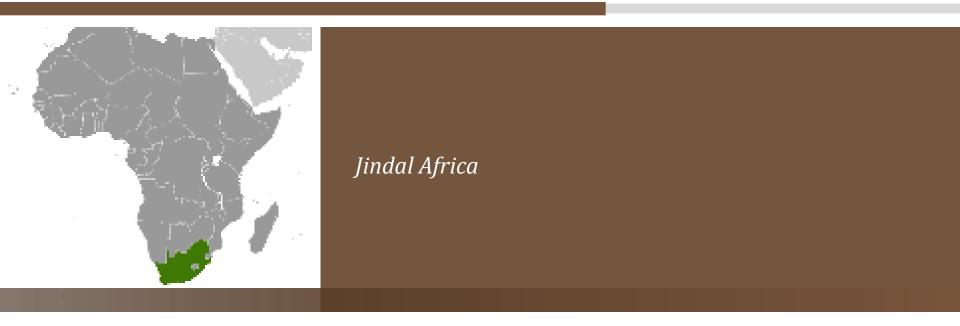
## Thermal Coal Asset

- Large size deposit of low ash low sulphur thermal coal for open cast operation
- Coal mining license obtained in 2009 for 10 years till March 2018 for over 35.9 square Kilometres
- Permit received from the Ministry of Forest for the entire concession area

- MoU signed with Bupati Barito to develop road for coal hauling
- 139 hectares acquired for the first phase of mining
- Acquired 17.7 hectares for the development of captive coal terminal for coal handling and barge loading at Barito River

# Pan-Africa presence





- Presence in South Africa & Mozambique
- Commercial interests are predominantly in mining; it is also expanding projects in the fields of steel and energy
- Exploring opportunities for mining coking coal, iron ore and high-value minerals

# South Africa, Africa





- African head office is based in Johannesburg, South Africa
- Operations include Kiepersol Colliery outside the town of Piet Retief in Mpumalanga province
- ▶ The mine produces high-quality anthracite coal, sold nationally and internationally
- Underground mining with 1 MTPA capacity annually

# Mozambique, Africa





- Jindal Africa is developing a coal mine (10 million ton annual capacity) in Mozambique's coalrich Moatize region.
- Completed exploration studies
- Coal resources estimated at 1.2 billion tonnes including coking coal

# Australia





Indo-Australia CEO forum at Canberra (Australia) From Right, Shri Anand Sharma (Minister of Commerce & Industry and Textiles), Shri Naveen Jindal (CMD - JSPL), Ms. Julia Gillard (Prime Minister of Australia)

- ► 5 MTPA port capacity secured at Fitzroy port terminal
- Got 6 tenements allotted from Australian Government and is under exploration stage.
- Option off take Agreement with Gujarat NRE Coke for supply of Coking coal for 10 years.

# Consolidated Financials at a Glance

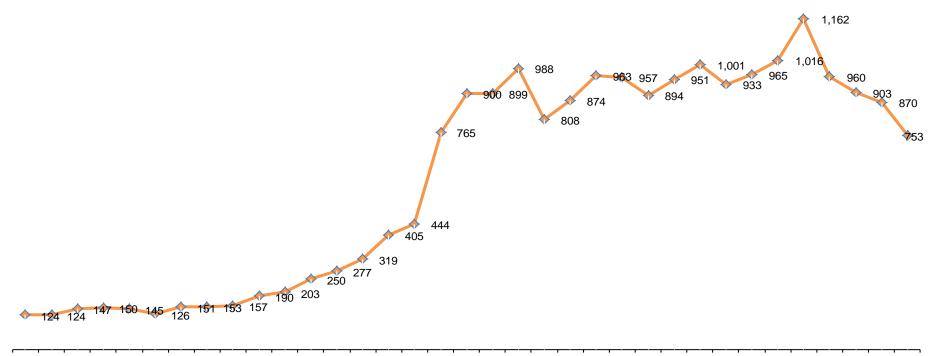


(Rupees in Crores)	FY04	FY05	FY06	FY07	FY08	<i>FY09</i>	FY10	FY11	FY12	FY13
INCOME STATEMENT										
РАТ	305	516	573	699	1,251	3,007	3,635	3,804	4,002	2,912
Revenue	1,273	2,271	2,618	3,549	5,539	10,913	11,152	13,194	18,351	19,807
Cash Profit	434	766	858	1,170	1,810	4,194	4,760	5,115	5,575	4,593
EBITDA	512	908	1,034	1,428	2,253	5,908	5,232	6,398	6,935	6,669
BALANCE SHEET										
Gross Block	1,967	2,876	5,198	8,690	10,680	14,928	21,109	29,317	35,802	45,912
Net Worth	854	1,317	1,899	2,540	3,824	7,021	10,387	14,088	17,931	21,150
Borrowings	1,026	1,495	2,745	3,507	6,996	8,113	8,605	13,987	17,058	24,618
Equity	15	15	15	15	15	15	93	93	93	93
SIGNIFICANT RATIOS										
<b>Operating Margin (%)</b>	40%	40%	40%	41%	41%	48%	53%	49%	39%	34%
Net Profit to Sales (%)	24%	23%	22%	20%	23%	28%	33%	29%	22%	15%
Return on Net Worth (%)	36%	39%	31%	28%	34%	43%	35%	27%	22%	14%
Long Term Debt Equity Ratio	1.09	1.11	1.2	1.07	1.74	1.03	0.59	0.7	0.61	0.77
EPS (INR/Share) (a) (b)	3.34	5.58	6.31	7.64	13.54	32.44	39.05	40.75	42.42	31.13



# Growth Trajectory: Quarterly net profits

## 35 trailing quarters (consolidated, INR Crores)



08 08 08 08 04 05 05 05 05 06 06 06 06 07 07 07 07 \* Net profit includes one time write off written back of Rs. 667.12 Cr.



Making sustainability a focused priority



#### **Environment concerns**





- The environment management department of the company takes care of all the activities related to environmental safeguards
- Basic functions include constant monitoring of emissions/discharges and their control and compliance to statutory obligations on all environmental issues

## Control of air pollution



- Has installed state-of-art pollution control devices suitable for the purpose of reducing atmospheric pollution
- Real time check on performance of these devices is done through automated online analyzers such as Opacity Meters and Ambient Air Quality Monitoring Stations

#### Control of water pollution



- Water pollution is controlled by adopting a range of stringent regulatory measures and monitoring processes
- Has attained 'Zero Discharge' status by adopting state-of-the-art technology for water treatment

### Solid waste management



- Pursues the policy of three R's -- Recycle, Reduce and Reuse -- to managing its waste
- Power is generated from coal rejects, fines and middlings in AFBC boilers
- Slag generated from blast furnace is 100% reused in cement manufacturing and brick making







- JSPL continuously implements the concept of Green Productivity and takes preventive measures in and around its various facilities
- Rainwater harvesting, mass tree plantation during monsoon is among regular eco-friendly efforts of the company

## House keeping activities





- Training programmes are offered to the employees of different departments to increase their awareness in housekeeping
- All Roads are cleaned and sanitized, Work areas are regularly maintained and well painted, Water stagnation is not allowed



#### Education





- JSPL has set up the O. P. Jindal Global University (JGU) and the Jindal Global Law School (JGLS)
- O.P. Jindal Knowledge Park has been formed to provide opportunity in technical education
- O. P. Jindal School-A 10+2 co-educational school with all modern facilities at Raigarh
- O.P. Jindal Community College offering 37 technical vocational programmes on five campuses
- IT Certificate Course of duration of 3/6 weeks for tribal and marginalized girls belonging to poor families in the remote village of Kunjimora
- Supports self-help groups for imparting vocational training in tailoring & embroidery
- Financial support to meritorious and needy students

## Healthcare





- O. P. Jindal Hospital & Research Centre provides facilities including medicine, surgery, gynaecology, orthopedics and pediatrics in the Raigarh district
- Regular village medical camps are organised through mobile medical van services with specialist doctors in Patratu, Angul and Raigarh
- JSPL has been organising family planning camps bringing couples under family welfare
- Cataract operations are conducted for patients annually, free of cost. Spectacles & fruits are distributed to all patients after the operation
- Pulse polio vaccination and HIV/AIDS detection camps are organized from time to time in Raigarh, Patratu and Angul
- For the supply of clean drinking water, nonfunctional hand-pumps have been repaired in all villages of the operational area

### Community development





- JSPL has undertaken the responsibility of infrastructure by building approach roads, water tanks, drains and village ponds
- Developed the Kamla Nehru Park and musical fountain in the city that provides leisure, recreation and entertainment to the citizens of Raigarh
- Sports gear has been distributed to several rural youth clubs for promotion of sports & games
- JSPL has made model kitchen gardens for providing vegetables to families aiding mushroom cultivation in pockets, helping in income generation of the people
- Established by the Red Cross Society and the social welfare department at Raigarh

# Award and Accolades





- Golden Peacock National CSR Award 2012
  - Ranked No.1 as Wealth Creator in India over a 10- year period (Business World)
  - Awarded the Dun & Bradstreet- Rolta Corporate Awards 2011
  - Ranked 3rd in the Metals Category of Business World's India's Most Respected Companies Survey
  - Received the Forbes Asia's 'Fabulous 50' International Award
  - Golden Peacock Innovation Management Awards
  - Greentech Award for 1st Position in Metal & Mining Industries
  - World HRD Congress CSR Award on women empowerment
  - Rated the World's 2nd Largest Value Creator by Boston Consulting Group (BCG), based on Total Shareholder Return from 2005-2009, and the largest Value Creator in Mining and Materials category
  - Received the Forbes Asia's 'Fabulous 50' International Award
  - Golden Peacock Innovation Management Awards
  - CSR Excellence Award 2010 by ASSOCHAM for promoting and propagating Corporate Social Responsibility initiatives
  - Received the CNBC's Most Promising Entrant into the Big League at IBLA
  - National Energy Conservation Award
  - Golden Peacock Innovation Award 2009
  - Winner of 'Shrishti Green Cube Award 2009
  - SAIL HR Excellence Award 2009



# **THANK YOU**

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