

## Corporate Presentation

February 2018



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Any reference herein to "the Company" shall mean Jindal Steel & Power Limited, together with its consolidated subsidiaries.

## **Company Overview**



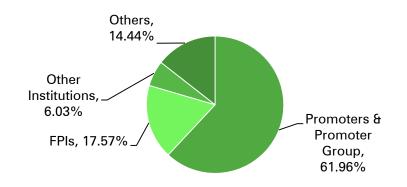
#### JSPL is amongst the leading integrated steel producers in India with an installed capacity of 10.6 MTPA globally

#### **Company Overview**

- Headquartered in New Delhi and incorporated in 1979, JSPL is a part of the OP Jindal Group
- JSPL has set up steel plants in India and Oman and mines across the world to produce:
  - Raw materials: DRI, lime, dolomite, pellets, sinter, coking coal, iron ore
  - Semis: Slabs, billets, blooms, beam blanks, rounds
  - **Finished products**: Plates, TMT rebars, beams, flange columns, channels, rails, angles, fly ash bricks
- The Company has an operating iron ore mine at Tensa valley in Odisha and five iron ore assets under exploration
- Outside India, the Company has presence in Oman, Australia, South Africa, Mozambique, Cameroon, Botswana, Indonesia and Namibia across various businesses

#### **Corporate Structure - Key Components**

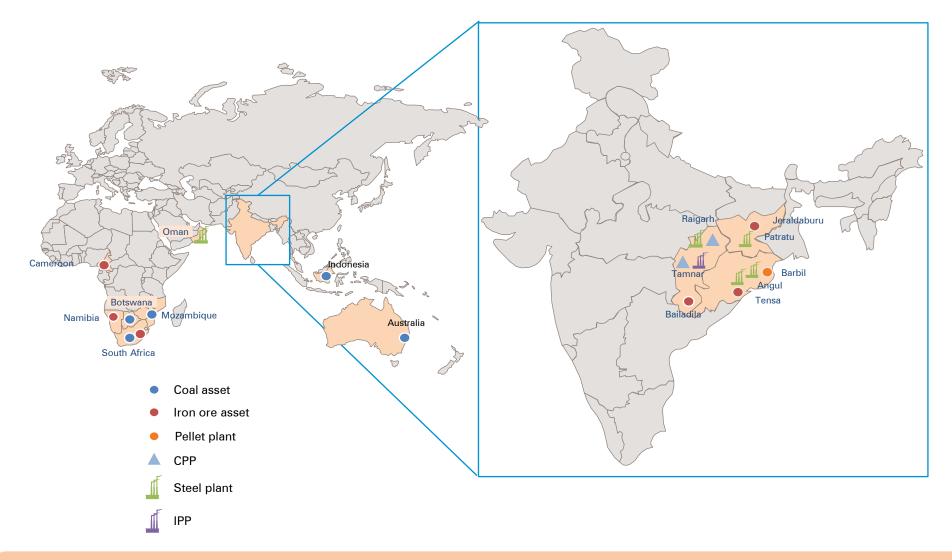






## **Global Presence in Attractive Markets**





Presence in resource rich regions well connected with evacuation infrastructure

## Significant Potential for Upside



	FY18 Capacity <sup>(1)</sup>	Production in FY17	Upside Potential
Steel – India Capacity	8.6 MTPA	3.5 MTPA	59%
Independent Power Capacity	3,400 MW	1,047 MW	69%
Steel – Oman Capacity	2.0 MTPA	1.3 MTPA	35%
Pellet Capacity	9.0 MTPA	6.45 MTPA	28%

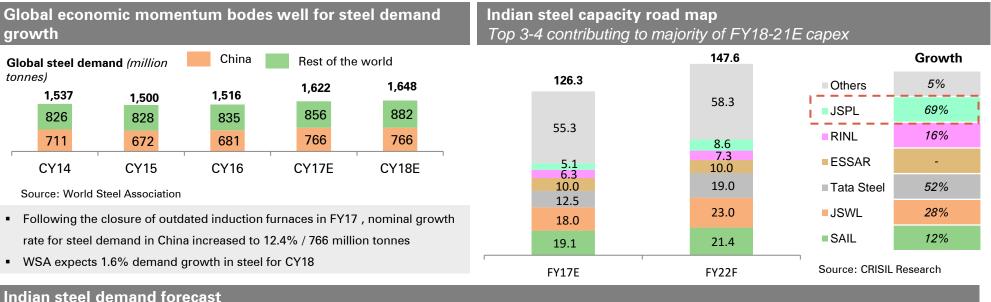
Upside potential remains to be exploited

(1) As on 31 December 2017

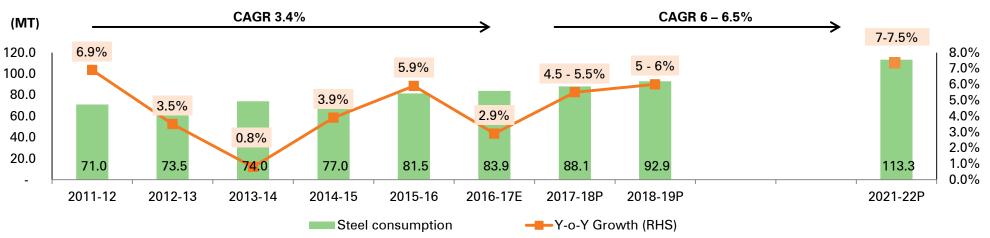
(2) Capacities mentioned are installed capacities

## **Robust Outlook for Global & Indian Steel**





Increased government spending to spur growth



Source: CRISIL Research

## **Steel Business – Overview**



 JSPL is amongst the leading steel producers in India with its integrated steel plants, state-of-the-art facilities and a wide range of products to cater to the entire value chain of the steel industry

### A Diversified Product Portfolio

Class of Products	Principal End Usage / Market
Angles and channels	Transmission towers, building and bridges support structure, border fencing, equipment and machinery frames, truck and trailer frame supports
Fabricated structures	Refineries , power plants, rail over bridges, road over bridges, airports, stadiums
Parallel flange beams and columns	Refineries, power plants, rail over bridges, road over bridges, offshore structures, mezzanines and platforms, high rise buildings, stadiums, steel plants, industrial sheds and warehouses, transmission line towers
Hot rolled plates	Construction, general engineering, boiler and pressure vessels, refineries and power plants, offshore platforms, line pipes, wind mill, ship building, pre-engineered buildings
Rails and head hardened rails	Rail tracks for high speed trains and metros, sidings of power plants, refineries, cement, fertilizer and steel plants, industrial sheds, semi- portal crane tracks, ports
TMT rebars	Construction, infrastructure, buildings, roads, bridges, flyover, jetty, ports, dams
Wire rods	General purpose wires, fasteners, bolts, rivets, screws, tyre bead, hose reinforced wire, coil springs, ball bearings, rail clips
Coils	General engineering, structural fabrication, oil and gas pipelines, saw pipes, boilers and pressure vessels, automobiles

B Capacity	
Capability	Capacity
Crude steel	10.60 MTPA
Finished Steel	7.95 MTPA
Includes: Rebar Mill	3.80 MTPA
Plate Mill	2.20 MTPA
Rail & Universal Beam (RUBM)	0.75 MTPA
Medium & Light Structural Mill	0.60 MTPA
Wire Rod Mill	0.60 MTPA
Pellet making	9.00 MTPA
Iron Ore Mine	3.11 MTPA

#### Performance

India Operations (Million Tonne)	9MFY17	9MFY18
Crude Steel Production	2.56	2.76
Steel Sales	2.43	2.59
Oman Operations (Million Tonne)	9MFY17	9MFY18
Oman Operations (Million Tonne) Crude Steel Production	<b>9MFY17</b> 0.94	9MFY18 1.22

## Angul Commissioning – Poised for Ramp up

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#### Uptick in Steel Demand to Spur Growth

- ✓ Government initiatives in the Infra space expected to drive demand for steel
- Completion of Angul positions JSPL to capitalize on significant industry opportunity

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#### Largely Funded Through Internal Accruals

- Angul expansion funded largely through internal accruals
- Prudent policies in place for capital allocation

#### Strategic Location with 4 Logistical Benefits

- Well connected to India's road network
- Has railway siding capable of handling inbound raw materials and outbound finished goods rakes
- ✓ Nearest major port is Paradip port

Caper Cycle Completed					
<ul> <li>Completion of capex cycle post Angul commissioning</li> </ul>					
<ul> <li>No major planned capex in the near term</li> </ul>					
2 Capacity Utilization to Increase Volume Ramp Up ✓ Increased capacity to drive future growth	,				
<ul> <li>✓ Ramp up in volumes to provid significant upside</li> </ul>	е				
<b>3</b> BOF / EAF to strengthen Cost Leadership					

**Canex Cycle Completed** 

- ✓ State of the art basic oxygen furnace and arc furnace completed
- Key drivers to low cost operations and energy efficiency

Capabilities	Capacity
CGP	225,000 m3/Hr
DRI	1.8 MTPA
BF	3.2 MTPA
Sinter	5 MTPA
Coke Oven	2.0 MTPA*
Steel Making	5.0 MTPA
Plate Mill	1.2 MTPA
Bar Mill	1.4 MTPA

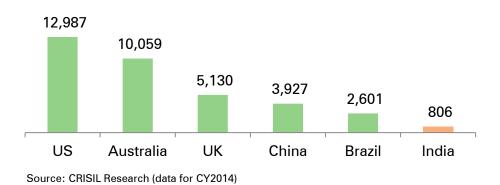
## **Power Sector Update**



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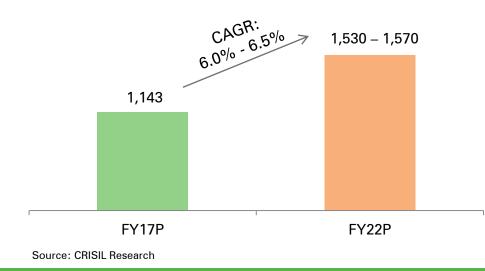
#### India has Low Per Capita Power Consumption

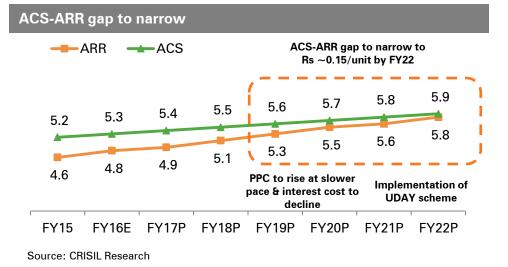
#### **Per Capita Consumption** (*kWh/Year*)



#### Power demand expected to rise

#### Indian Electricity Requirements (in billion units)





#### Key drivers for power sector

- Indian GDP Growth: expected to grow at 7.4% in FY18, 7.8% in FY19
- SHAKTI scheme: to improve coal supplies to the power sector, availability of fresh PPAs (pre-condition for domestic coal linkage) and issue discounts on existing PPAs
- UDAY scheme: envisages financial health improvement of Discoms
- Government initiatives such as rural electrification and 24x7 "Power for All"
- CEA has identified old and inefficient power plants
- National tariff policy 2016 provides for capping cross subsidy surcharge to 20%

Source: CRISIL Research, CEA, National tariff policy 2016

## JSPL Power Business – Overview



#### Jindal Power Limited is a 96.43% subsidiary of JSPL with an installed capacity of 3,400 MW

1) Independent Po	ower Projects –	under Jindal	Power Limited	<b>2</b> Captive Powe	er Projects – u	nder Jindal S	teel & Power Limited
Project	Capacity (MW)	Fuel	Configuration	Project	Capacity (MW)	Fuel	Configuration
EUP I	1,000	Coal	4x250 MW	Dongamahua	540	Coal	4x135 MW
EUP II	1,200	Coal	2x600 MW	I Raigarh I	284	Coal and waste heat	1x24 MW (waste heat 2x55 MW 6x25 MW
EUP III (non operational)	1,200	Coal	2x600 MW	Angul	810	Coal	6x135 MW

#### **Key Contractual Arrangements**

Plant	EC A	Europetics	РРА		
Flailt	FSA	Evacuation	Buyer	Quantum (MW)	
EUP I 1,000 MW	Market purchase and e-auction		TNGDCL <sup>(1)</sup>	200	
EUP II 1,200 MW			TNGDCL <sup>(1)</sup>	400	
	Long town Kalena		KSEB <sup>(2)</sup>	200	
	Long term linkage	Open access available	KSEB <sup>(2)</sup>	150	
			CSPTCL <sup>(3)</sup>	60	
EUP III (non operational) 1,200 MW	N/A		CSPTCL <sup>(3)</sup>	60	

## Key Highlights

EL & POWFR



Strong macro tailwinds for steel sector – firm global prices, domestic steel demand recovery, price protection

Producers in India with a diversified product portfolio serving a variety of industries

Innovative products and processes – state-of-the-art plants, BF-BOF route at Angul, EAF converted to Oxygen Furnace gives cost advantage

Low cost operations – plants located in resource rich states

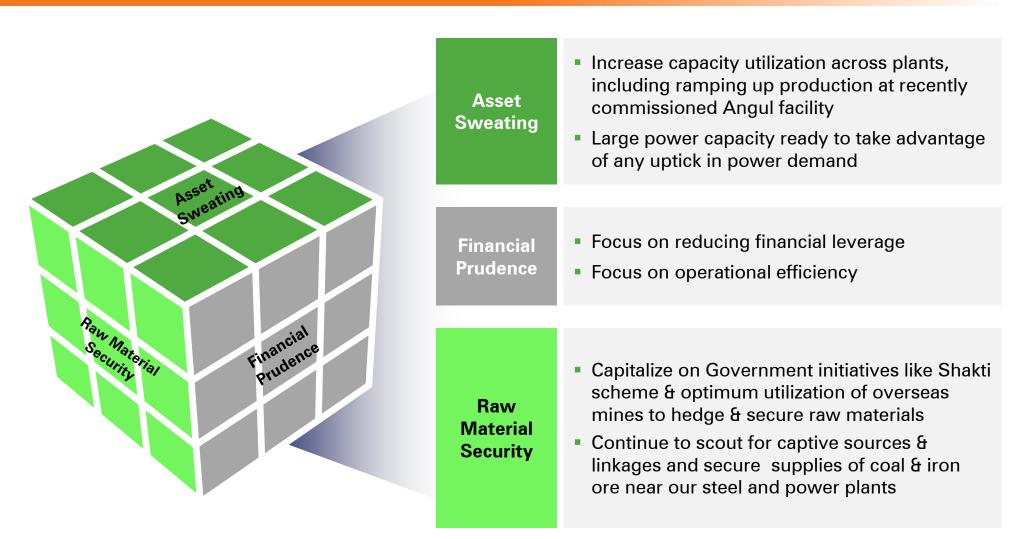
Positioned at an inflexion point for volume driven growth

Large IPP capacity with significant cost competitiveness - significant room for upside with additional PPAs

Experienced board of directors and professional management team within a nimble and dynamic organization

## **Three-Pronged Growth Strategy in Place**





Detailed and well planned strategy to spur JSPL forward



# Thank You