





### Jindal Steel and Power Ltd

Investor Presentation

4Q FY18 (May' 18)







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# Jindal Steel & Power Limited Building the Nation of Our Dreams

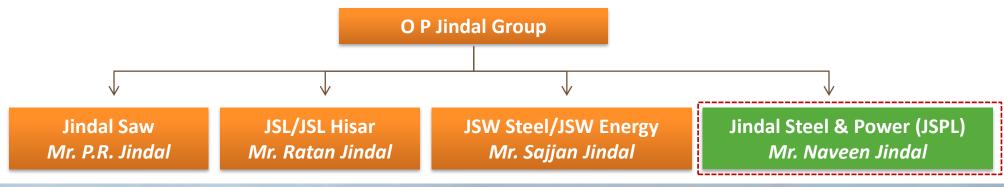








### Ownership Structure - O P Jindal Group

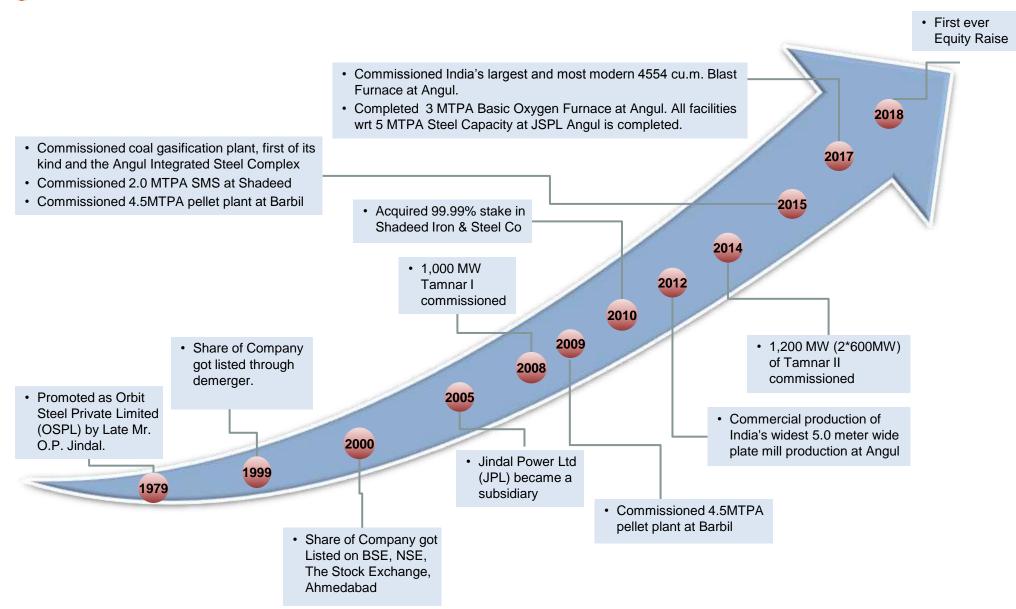






### Key Milestones during our journey







## PANTHER JSPL: Among Top World Class Steel Maker JINDAL





World Class Steel Makers in World

by

World Steel Dynamics - USA (June 2017)

Ahead of

Hadeed (ranked 26) :::: RINL (ranked: 27) ::::

#### **Positives**

**Expanding Capacity** (score: 10/10)

Location in high growth market (score: 10/10)

**Location Close** to Customer (score: 810)

Harnessing Tech Revolution (score: 9/10)

**Labour Cost** (score: 9/10) **Environment &** Safety (score: 9/10)

**Pricing Power** in home Market (score: 7/10)

Area for improvement

Size

(score: 3/10)

**Coking Coal** Mines (score: 3/10)

**Balance Sheet** (score: 3/10)

Iron Ore Mines (score: 5/10)

**Profitability** (score: 5/10)

Value Add product mix (score: 6/10)

Downstream business & **Energy Cost** (score: 6/10)





### JSPL - Formidable Steel & Power player









- Capex cycle completed on path to achieve multifold earnings growth
- Projects at strategic locations in proximity to raw materials, end markets and evacuation infrastructure
- A comprehensive diversified long products portfolio with several unique high value added products
- Amongst the lowest cost producers of steel and power in India
- 3,400 MW IPPs set up at extremely competitive project cost









Naveen Jindal Chairman

Experience: 21 years

 Qualification: MBA (University of Texas)



Shallu Jindal Non Executive Director



R.V. Shahi Independent Director

Experience: >33 years

Qualification: MBA

· Former Power Secretary



**Arun Kumar Purwar** Independent Director

Experience: >30 years

· Qualification: M.Com

· Former CMD, SBI



**Arun Kumar** Independent Director

Experience: 38

years

· Qualification: MSc



Hardip Singh Wirk Independent Director

Experience: >11 years

Qualification: LLB



Sudershan Kumar Garg Independent Director

Experience: 39 years

 Qualification: Bcom & CA



Dinesh Kumar Saraogi Wholetime Director

Experience: 32 years

 Qualification: Mechanical Engineering



Rajeev Bhadauria Whole time director

Experience: 28

· Qualification: LLB



**Anjan Barua** *Nominee Director* 



### ...& Best in Class Management





N.A. Ansari CEO - Steel

• Experience: >38 years.



Sanjay Sagar MD - Power

• Experience: >35 years)



**Bharat Rohra** CEO - Power

• Experience: >30 years



**Deepak Sogani** *CFO* 

• Experience: >30 years



Pravin Purang
Head- Organisational
Transformation

• Experience: >30 years



Rajeev Jain CFO - Power

• Experience: >23 years)



Ashish Kumar
Head – Mines & Minerals

• Experience: >20 years



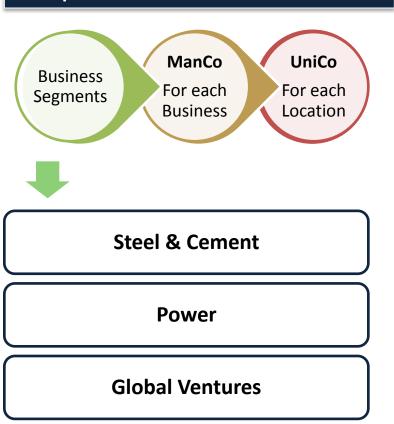


### Moving Towards Plural Leadership

## Strategic Governance Structure



#### **Operational Governance Structure**



Implementation of Strategic & Operational Governance Structure

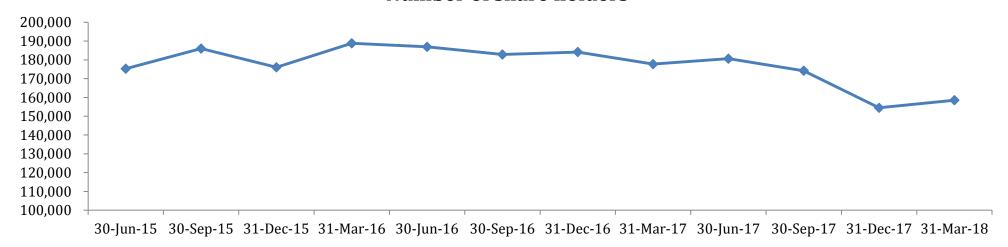




### Shareholding of JSPL from FY15

	30-Jun-15	30-Sep-15	31-Dec-15	31-Mar-16	30-Jun-16	30-Sep-16	31-Dec-16	31-Mar-17	30-Jun-17	30-Sep-17	31-Dec-17	31-Mar-18
Promoters	61.34%	61.89%	61.89%	61.89%	61.89%	61.89%	61.89%	61.89%	61.89%	61.89%	61.96%	58.66%
Institutional Investors*	21.91%	19.53%	22.35%	21.08%	21.33%	20.00%	19.39%	19.57%	18.91%	21.22%	23.60%	28.76%
Public and other share holding	16.75%	18.58%	15.76%	17.03%	16.77%	18.11%	18.72%	18.54%	19.20%	16.89%	14.44%	12.58%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Number of share holders	175,291	185,993	176,047	188,805	186,912	182,833	184,184	177,719	180,617	174,223	154,489	158,544

#### Number of share holders





### **Business Segments**

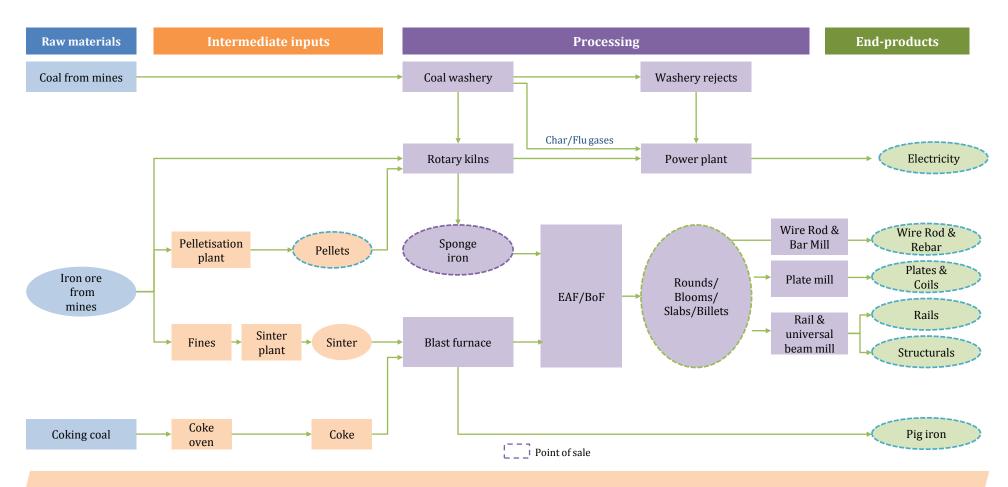


## **Global Ventures** Steel Power **Current Capacities - Domestic & Global** 8.6 MTPA Steel\* 2 MTPA Steel IPP - 3400MW\*\* 3.11 MTPA\* Iron ore **Coal Mines** CPP - 1634 MW 9 MTPA\* Pellet Plant





### Integrated Operations with multiple point of sale



Multiple sale points across steel value chain







<u>Iron Making</u>

(9.95 MTPA)

**DRI 3.12 MTPA** 

**BF 5.33 MTPA** 

**HBI 1.50 MTPA** 

<u>Liquid Steel</u>

(10.60 MTPA)

**SMS 10.60 MTPA** 

**Finished Steel** 

(6.55 MTPA)

**WRM 0.60 MTPA** 

**RUBM 0.75 MTPA** 

**MLSM 0.60 MTPA** 

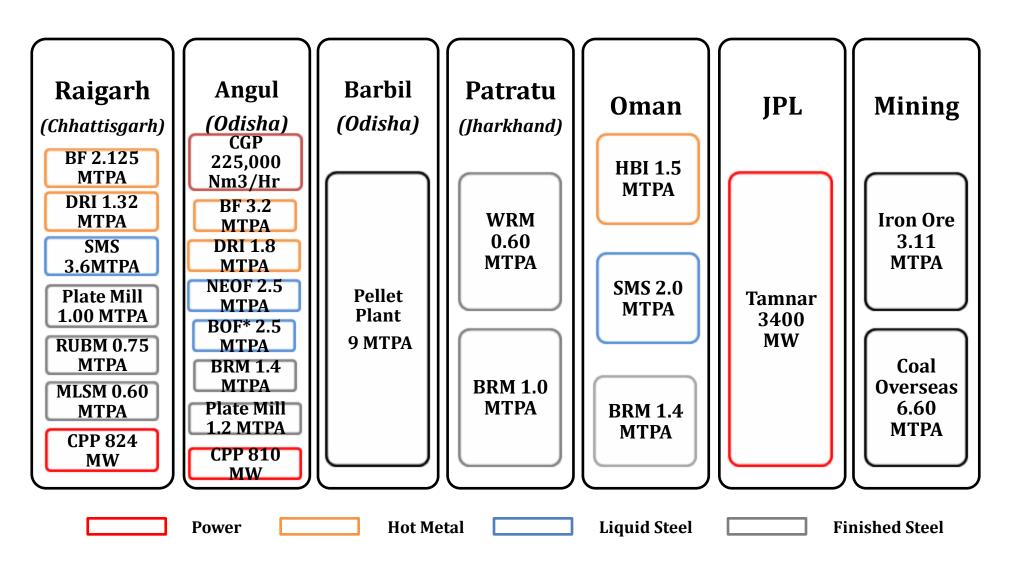
Plate Mill 2.20 MTPA

**BRM 2.4 MTPA** 



### Detailed plant wise capacities





<sup>\*</sup>Plant capacities shown above are completed but not all are commissioned



### **Manifold Growth in the Last 5 Years**



	FY '14	FY '18	
Steel - India	3 MTPA	8.6 MTPA	~2.86x
Power	1,000 MW	3400 MW	3.4x
Oman	0 MTPA	2 MTPA	Add
Pellet	4.5 MTPA	9 MTPA	~2x

All major capex completed – scale of organisation is approximately 3x



### ..... potential for BIG LEAP



**Production in FY18** 

**Upside Potential** 

Steel - India Capacity

8.6 MTPA

4.02 MTPA

**114%** 

Steel - Oman Capacity

2.0 MTPA

1.67 MTPA

20%

Independent Power Capacity

3,400 MW

1237 MW

174%

Pellet Capacity

9.0 MTPA

6.86 MTPA

31%



### JSPL Product Range





Rail
Track Rail: IRS 52, UIC 60(E1&E2), UIC 54E
Crane Rails: CR 80, CR 100



Angles Sizes: 50mm to 250mm



Parallel Flange Beams & Columns Sections: UB, UC, NPB, WPB, IPE and HE series. Size range: 180m to 900mm



Wire Rods Grades: MS, MC & HC, EQ, Boron and other Alloy Steel Size range: 5.2mm, 5.5mm to 22mm



Channel Sizes: 75mm to 400mm



Jindal Panther TMT Rebars Grades: 500, 500D, 550, 550D, 600 and CRS Size range: 6mm to 40mm, 45\*, 50\*



### JSPL Product Range





**Plates** 

Width: 1500mm to 4900mm Thickness: 5mm to 150mm



Coils

Width: 1500mm to 2500mm Thickness: 5mm to 25mm



**Fabricated Structures** 

Sections: H-type Beam, I-type Beams, Box Sections and

Star Coulums

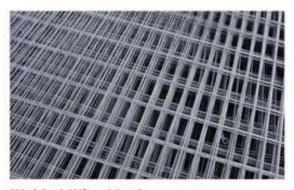
Sections: Depth: 350mm - 3000mm, Flange Width: 250mm - 1000mm, Length: 3 to 18 meters



TMT Rebars



Speed Floor Available Joist Depth: 200mm, 250mm, 300mm, 400mm



Welded Wire Mesh Width: 1200mm to 3200mm Length: 2000mm to 6000mm



### Special Grade Plates - Angul





Developed steel grades for various critical applications like boilers, ship building, petroleum pipes, high strength grades for automotive and earth movers, structural steel for oil exploration platforms, grades for making warships, ballistic launch applications and bullet proof vehicles, stainless steel low thickness plates for nuclear application





### Value Added Products - help in higher Turnover & EBITDA margins











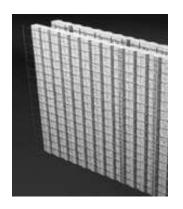
Cement

Cut & Bend

Welded Mesh

Speed Floor

LGS







Road Stabilizer



**Bricks & Pavers** 

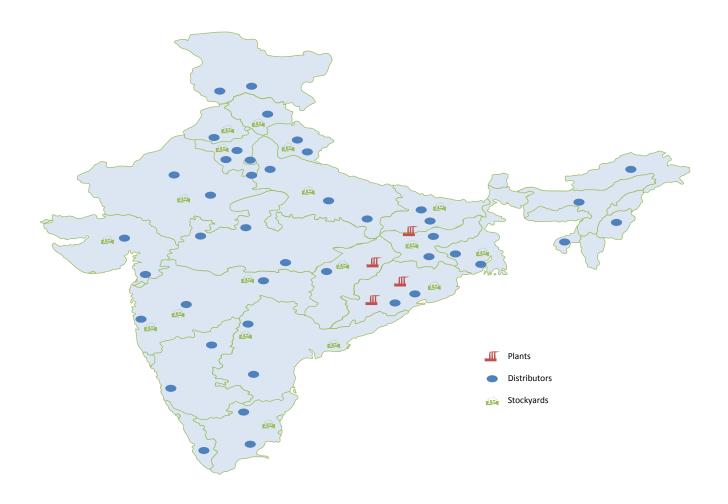


LWA



## Extensive Sales and Distribution Network





Pan India presence with multiple customer touch points



### JSPL Standalone Key Financials



(Figures in INR Crores)

Particulars	Q4FY18	Q3FY18	Q4FY17	%QoQ	%YoY
Total Revenue	5,752	4,272	4,545	+35%	+27%
EBITDA	1,519	921	914	+65%	+66%
EBITDA %	26%	22%	20%		
Depreciation	468	465	489	+1%	-4%
Finance Cost	686	594	515	+16%	+33%
PBT before Exceptional	364	(138)	(81)		
Exceptional Items	194	-	-		
Profit/(Loss) Before Tax	170	(138)	(81)		
Profit/(Loss) After Tax	145	(74)	(116)		

#### (Figures in INR Crores)

Particulars	FY18	FY17	%YoY
Total Revenue	17,523	15,494	+13%
EBITDA	3,973	2,902	+37%
EBITDA %	23%	19%	
Depreciation	1,910	2,044	-7%
Finance Cost	2,391	2,324	+3%
PBT before Exceptional	(328)	(1,457)	
Exceptional Items	344	•	
Profit/(Loss) Before Tax	(672)	(1,457)	
Profit/(Loss) After Tax	(362)	(986)	

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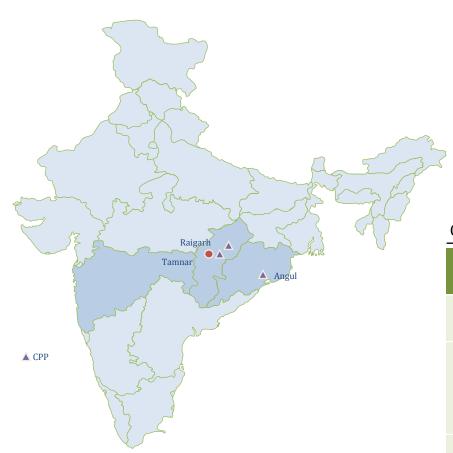
## **POWER BUSINESS**





### Power Capacities at a glance





#### Independent Power Projects (IPP)

Project	Capacity (MW)	Fuel	Configuratio n	Status
Tamnar 1*	1,000	Coal	4x250 MW	Operational
Tamnar 2	2,400	Coal	4x600 MW	Operational

#### Captive power projects (within JSPL)

Project	Capacity (MW)	Fuel	Configuration	Status
DCPP, Raigarh	540	Coal	4x135 MW	Operational
JSPL, Raigarh	284	Coal & waste heat	1x24 MW (Waste heat) 2x55 MW 6x25 MW	Operational
Angul, Odisha	810	Coal	6 x135 MW	Operational

One of the largest & cost-efficient thermal portfolios in India

\*Divestment announced 25



### IPP - JINDAL POWER LIMITED





**EUP -I** 1000MW (4 X 250) **EUP -II** 1200MW (2 X 600)

**EUP -III** 1200MW (2 X 600)





### Key Contractual Arrangements for JPL

#### Tamnar-I, 1,000 MW (EUP I)

#### Tamnar-II - 1,200 MW (EUP II)

#### Tamnar-II - 1,200 MW (EUP III)

FSA



 Coal sourced through – market purchase and e-auction  Long term linkage from Mahanadi Coal Limited (MCL) and South Eastern Coalfields Limited (SECL)

 Coal sourced through – market purchase and e-auction

PPA



Bilateral/short term/ exchange

■ TNEB – 200 MW

■ TNEB – 400MW

CSEB – 60MW

■ KSEB – 200MW

KSEB – 150MW

CSEB – 60MW

Evacuation



• Open access available

Open access available

Open access available

Raw materials, transmission & PPAs in place for achieving higher PLF







				riod	Quantum	
Project	Buyer	Type	From	То	(MW)	
Tamnar II (Phase 1)	Tamil Nadu	Long Term	Feb-14	Sep-28	400	
Tamnar I	ranni Nauu	Medium Term	Sep-17	Aug-19	200	
Tamnar II (Phase 1)	KSEB	Long Term	Jun-16	May-41	200	
Tamnar II (Phase 1)	KSED	Long Term	Oct-17	Sep-42	150	
Tamnar II (Phase 1)	Chhatticgarh	Long Term	After commercial operation of Unit and for complete life of plant		60	
Tamnar II (Phase 2)	Chhattisgarh	Long Term			60	

### Over 30% of total capacity tied up \*



### JPL Key Financials



(Figures in INR Crores)

Particulars	Q4FY18	Q3FY18	Q4FY17	%QoQ	%YoY
Net Sales	952	1,172	863	-19%	+10%
EBITDA	265	356	381	-26%	-31%
EBITDA %	28%	30%	44%		
Depreciation + Amortization	377	381	376	-1%	
Interest	237	244	235	-3%	+1%
Profit/(Loss) Before Tax	(282)	(198)	(135)		
Profit/(Loss) After Tax	(272)	(173)	(84)		
Cash Profit	98	186	241	-48%	-60%
Generation (MU)	2,310	2,982	2,336	-23%	-1%

#### (Figures in INR Crores)

Particulars	FY18	FY17	%YoY
Net Sales	4,081	3,119	+31%
EBITDA	1,434	1,048	+37%
EBITDA %	35%	34%	
Depreciation + Amortization	1,508	1,436	+5%
Interest	936	789	+19%
Profit/(Loss) Before Tax	(733)	(780)	
Profit/(Loss) After Tax	(673)	(668)	
Cash Profit	778	656	+19%
Generation (MU)	10,905	9,176	+19%

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### JPL Financials



Particulars	Net Sales (Rs. Cr.)	PAT (Rs. Cr.)	Generation (MU)	Cash Profit (Rs. Cr.)
Year 2017-18	4,081	(673)	10,905	778
Year 2016-17	3,119	(668)	9,176	656
Year 2015-16	2,997	(766)	9,542	706
Year 2014-15	3,228	(171)	10636	523
Year 2013-14	2,457	1,107	8282	1,386
Year 2012-13	2,510	1,113	7973	1,420







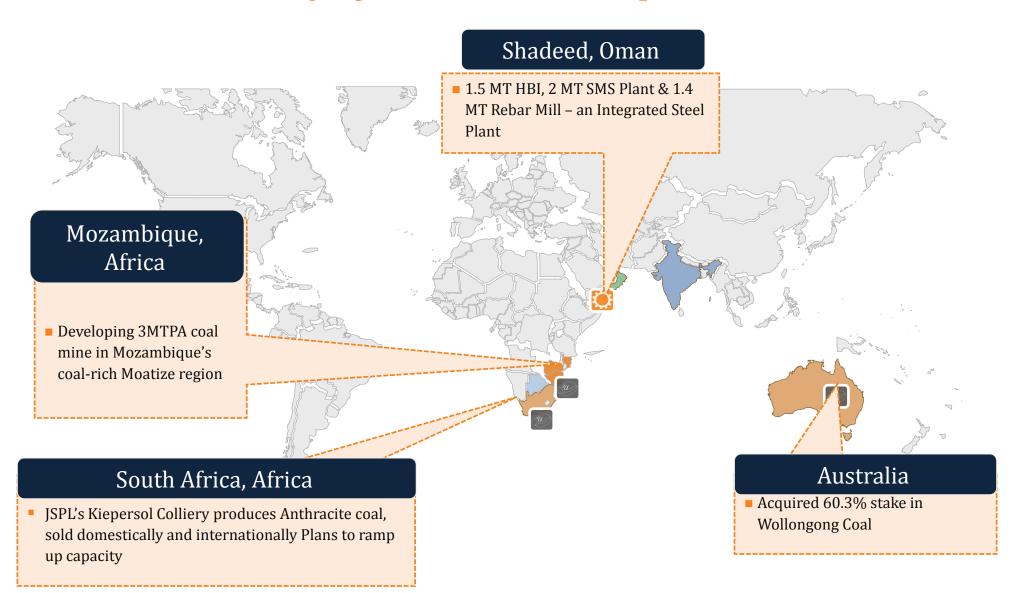
## **GLOBAL VENTURES**







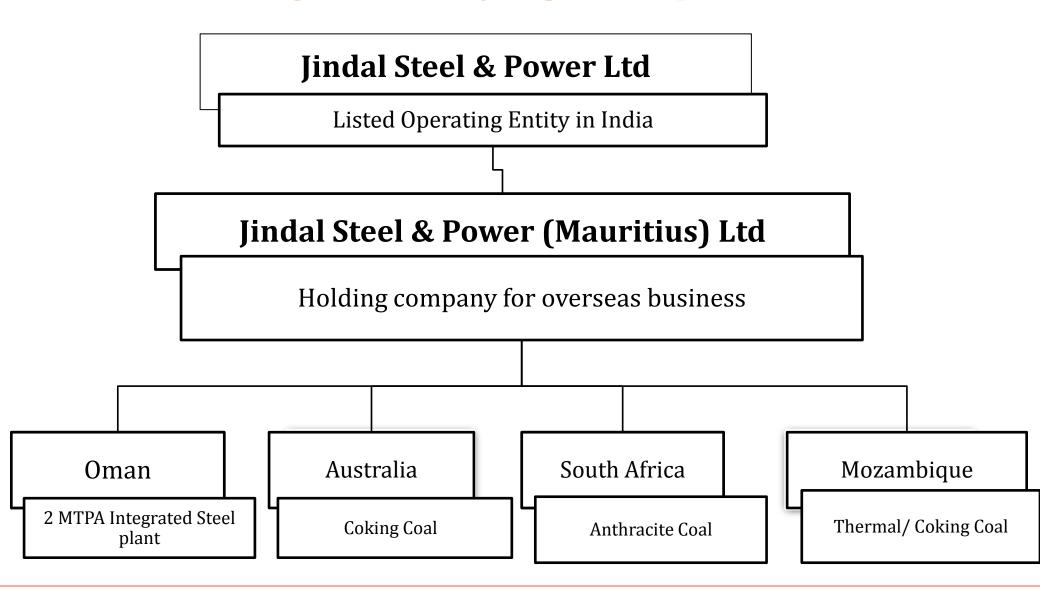
### Summary of International Operations







### Holding structure for global operations







### Jindal Shadeed Iron & Steel, Oman

### Marching towards becoming a Fully Integrated Steel Plant



1.5 HBI 

2 MTPA SMS 

1.4 MTPA Rolling Mill





### **Oman - Salient Features**

- ➤ First & Largest Integrated steel plant of Oman
- Second largest in Arabian Peninsula
- Port based steel plant
- Largest Arc furnace in Arabian Peninsula, with contracted natural gas
- One of the World's Best Performing Midrex plant (category 1.5MTPA)
- ➤ Products : TMT Rebars, HBI, Blooms & Billets

### **Sourcing of Raw Materials - Oman Plant**

- Iron Ore Pellets from Vale (Next door plant)
- Natural Gas from Oman Government through long term contract (at concessional prices)
- Scrap from External Sources



### Kiepersol Colliery, South Africa



#### An Underground Anthracite and Lean Bituminous Coal mine



**Location:** Piet Retief in Mpumalanga province, South Africa

**Resources :** Up to 40 MT

> Reserves: 22 MT

**Products:** Anthracite coal

➤ **Mining Capacity**: Can be expanded to 1.2 MTPA capacity annually



### Chirodzi Mine - Mozambique, Africa



#### **Open Cut Coking & Thermal Coal Mine**



**Location:** Chirodzi, Mozambique (105 kms from Tete)

> Resources: 2,000 MT

➤ **Reserves**: 132 MT

➤ **Products**: Semi Hard coking coal, High Grade Thermal Coal

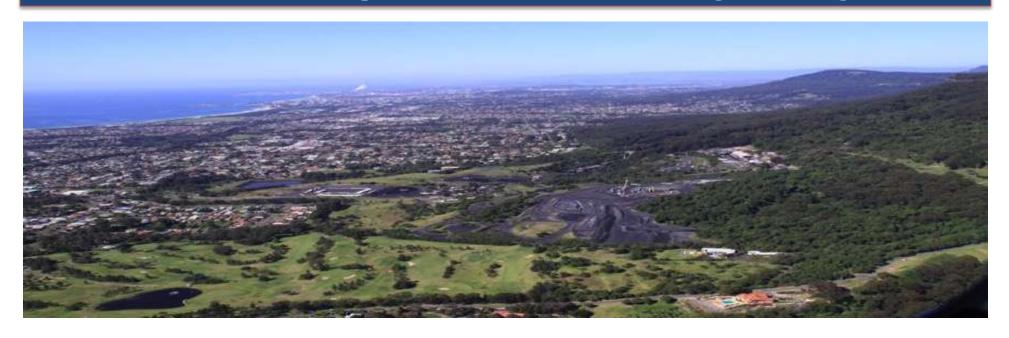
➤ Mining Capacity: 3 MTPA



### Wollongong Coal Ltd., Australia



#### Two Mines with Unique unmatched location & strategic advantages



➤ **Location:** Russell Vale & Wongawilli (Wollongong - 80 kms. South of Sydney)

> Reserves: 125 MT

Products: High Quality Coking Coal

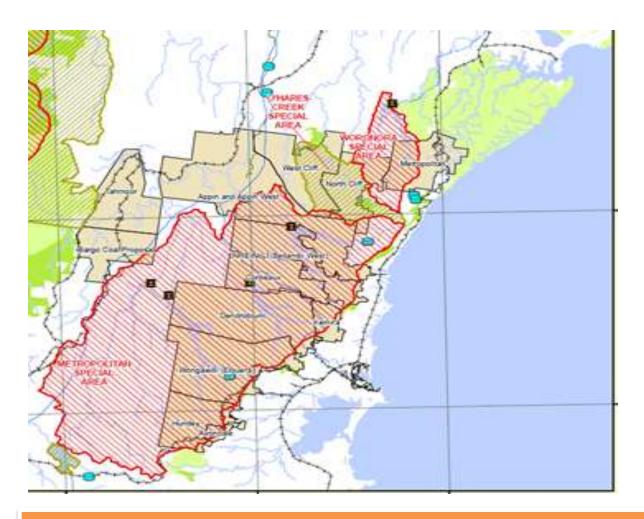
➤ **Mining Capacity**: Targeting 2 MTPA

**Logistics :** Port Kembla - Less than 20 kms





#### **Australia - Salient Features**



#### > Unique Geographic Location

- Wollongong (80 kms. South of Sydney)
- Experienced mining community available
- Port Kembla:
   Less than 20 kms with
   sufficient coal handling and
   Cape size capacity
- Easy and reliable connectivity through Rail and Road

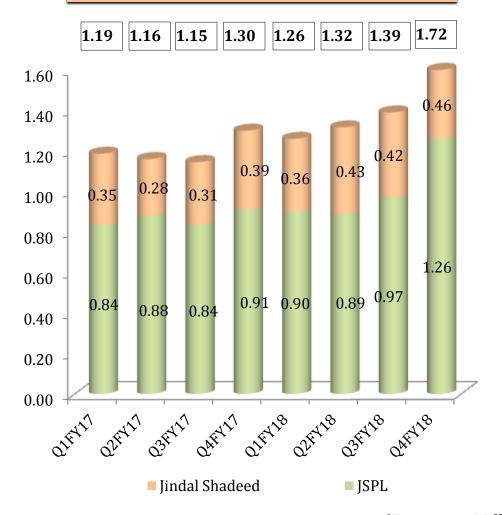
Unique unmatched location with strategic advantages



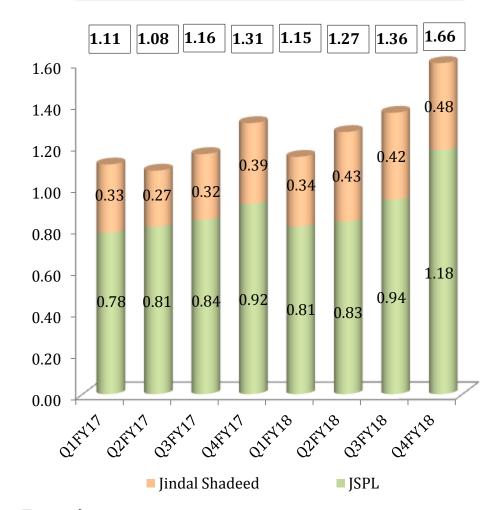
### **Operational Performance**



#### **Consolidated Steel Production**



#### **Consolidated Steel Sales**



(Figures in Million Tonnes)



### **JSPL Consolidated Key Financials**



(Figures in INR Crores)

Particulars	Q4FY18	Q3FY18	Q4FY17	%QoQ	%YoY
Total Revenue	8,599	6,993	6,756	+23%	+27%
EBITDA	2,136	1,607	1,552	+33%	+38%
EBITDA %	25%	23%	23%		
Depreciation	960	963	1006		-5%
Finance Cost	1,071	967	864	+11%	+24%
PBT before Exceptional	106	(323)	(309)		
Exceptional Items	438	1	(253)		
Profit/(Loss) Before Tax	(332)	(323)	(56)		
Profit/(Loss) After Tax	(426)	(277)	(98)		

#### (Figures in INR Crores)

Particulars	FY18	FY17	%YoY
Total Revenue	27,841	22,696	+23%
EBITDA	6,469	4,709	+37%
EBITDA %	23%	21%	
Depreciation	3,883	3,949	-2%
Finance Cost	3,866	3,441	+12%
PBT before Exceptional	(1,277)	(2,671)	
Exceptional Items	587	372	
Profit/(Loss) Before Tax	(1,864)	(3,043)	
Profit/(Loss) After Tax	(1,624)	(2,540)	

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Particulars	Net Sales (Rs. Cr.)	EBITDA (Rs. Cr.)	EBITDA %	Interest (Rs. Cr.)	PAT (Rs. Cr.)
Year 2017-18	27,841	6,469	23%	3,866	(1,624)
Year 2016-17	22,696	4,709	21%	3,441	(2,540)
Year 2015-16	20,368	3,437	17%	3,254	(3,086)
Year 2014-15	19,359	5,440	28%	2,606	(1,455)
Year 2013-14	18,218	5,456	30%	1,181	1,894
Year 2012-13	19,974	5,994	30%	758	2,912



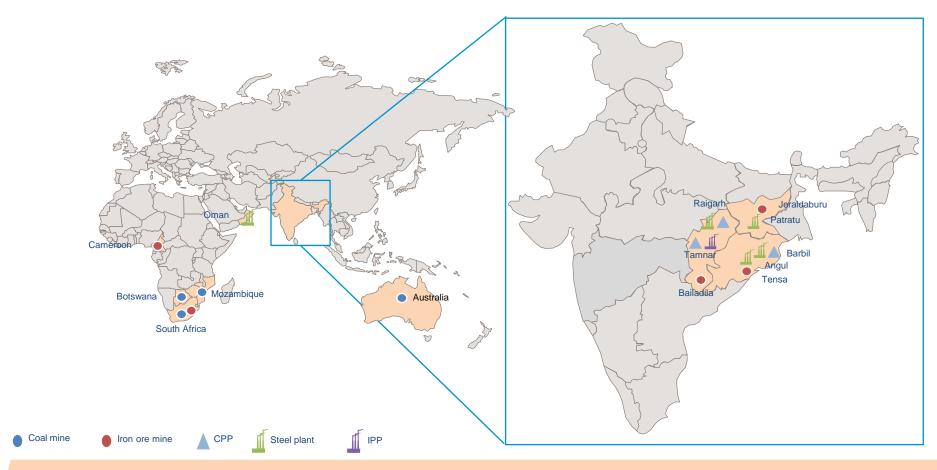


# Facilities at a glance





#### Global Presence in attractive markets



Presence in resource rich regions well connected with evacuation infrastructure





# INDIA





# Chhattisgarh State



#### Raigarh

# Punjipatra JINDAL





Raipur

Tamnar,3400 MW Power plant









# Odisha State



## JSPL, Angul





Pellet Plant, Barbil







# Jharkhand State



# JSPL, Patratu







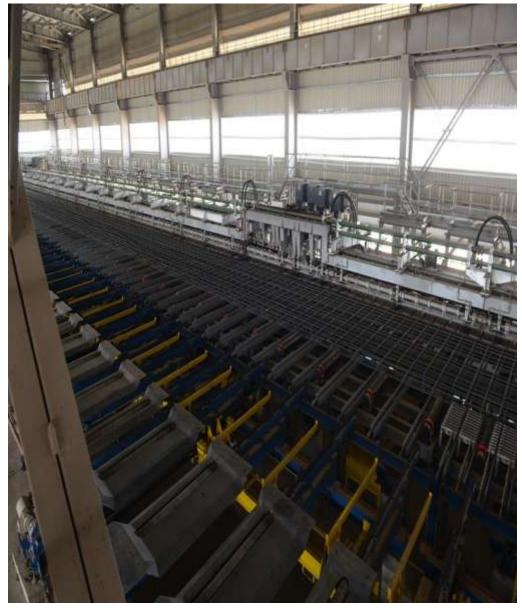


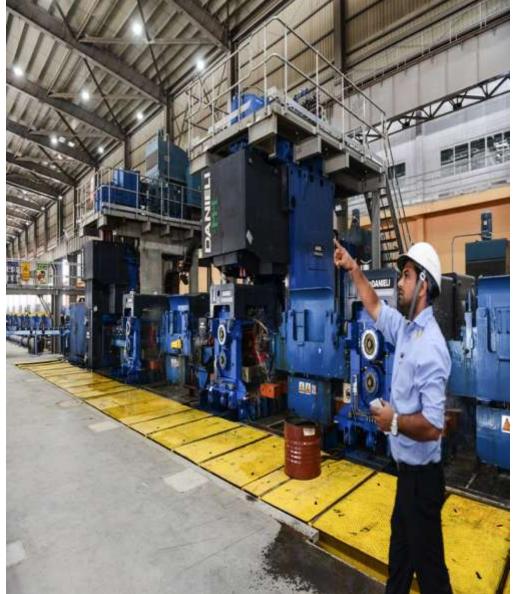
# Oman



# Jindal Shadeed, Oman









# Making Sustainability A Focus Priority JINDAI







### A Responsible Corporate Citizen



#### 9 PILLARS OF CSR





### A Responsible Corporate Citizen



Health	Education & Skill development	Infrastructure	Women empowerment	Environment
85,000 Adolescent Girls benefited from our healthcare initiatives	15,000 Students empowered through quality education	2,50,000 People provided with safe and clean drinking water	1,000 Women entrepreneurs developed	87,000+ Saplings planted
200,000 People benefited from our health initiatives	24,000+ People provided with vocational training	10,000 People benefited by 1,000 sanitation facilities	1,500+ Women benefited by 150+ Self Help Groups through income generation activities	343 Acres of watershed developed

As of 31st March'2016



### Health & Safety Best Practices













### Health & Safety Best Practices













### Recent Awards & Recognitions



- Jindal Shadeed Sultan QABOOS award for Industrial Excellence & Innovation 2017-18
- JSPL Tensa was conferred with 23 prizes during 55<sup>th</sup> Annual Mines Safety Week celebration 2017
- JSPL has been ranked by Institutional Investor Magazine in 2017:
  - #1 in Asia in Best IR Professionals Rankings (Sell Side) in Basic Material Sector
  - #1 in India in Best IR Professionals Rankings (Combined) in Basic Materials Sector
  - #3 in Asia in Best IR Professionals Rankings (Combined) in Basic Materials Sector
- Jindal Shadeed won Frost and Sullivan's '2017 GCC Ferrous Company of the Year Award' for Business Excellence best practices.
- JSPL Barbil and Patratu won the "Golden Bird Safety Awards in Platinum Category" for implementing the best health and safety practices during the year 2016-17
- JSPL honoured with the prestigious Odisha INC Award for its innovative CSR activities in Odisha.
- JSPL-Barbil Pellet Plant awarded with most prestigious JIPM award for TPM -Excellence
  - First pellet plant in the world to be conferred with this JIPM award
- JPL was awarded 2<sup>nd</sup> rank amid the top 25 'Best in Industry' companies in Dale Carnegie Global Leadership Award
- The signature initiative "NIPUN" of JPL- Tamnar won the prestigious People Matters L&D League Awards 2017
- JPL was also awarded as the 2nd Best in "Best in Accelerating Leadership Development" in 2017
- Mr. Naveen Jindal, Chairman, JSPL received the 'Steelie Award 2016' for being the "Industry Communicator of the Year"





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The risks and uncertainties relating to these statements include, but are not limited to, risks and uncertainties regarding fluctuations in earnings, our ability to manage growth, competition (both domestic and international), economic growth in India and the target countries for exports, ability to attract and retain highly skilled professionals, time and cost over runs on contracts, our ability to manage our international operations, government policies and actions with respect to investments, fiscal deficits, regulations, etc., interest and other fiscal costs generally prevailing in the economy. Past performance may not be indicative of future performance. We do not undertake to update our forward-looking statements.

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# **THANK YOU**