





## Jindal Steel and Power Ltd

Investor Presentation

1Q FY18 (July' 17)







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

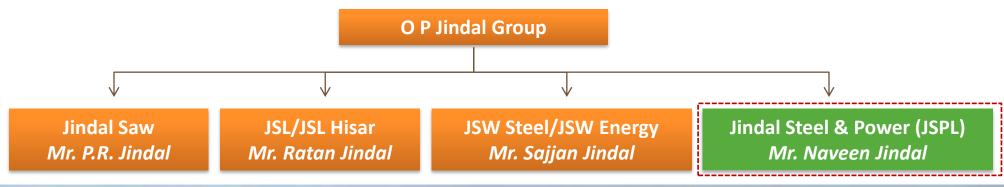








## Ownership Structure - O P Jindal Group

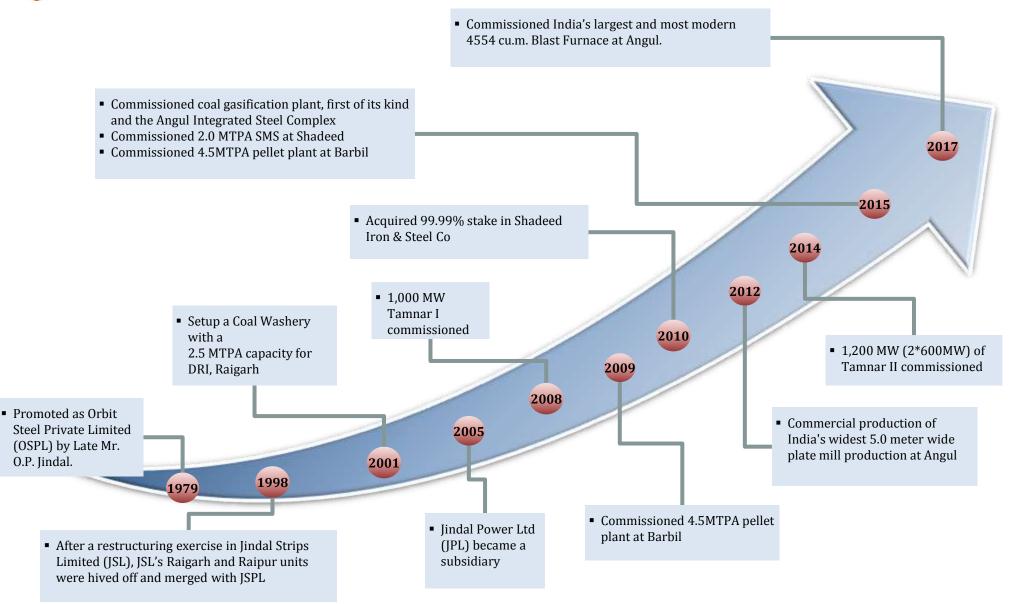






## Key Milestones during our journey









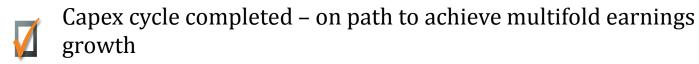
## JSPL - Formidable Steel & Power player











- 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





# JSPL is at the cusp of turnaround & phenomenal growth ..

- Profits set to increase with increase in volumes
- Debt reduction to be the key focus with higher cash flows
- Margins set to expand with
  - ◆ Change in product mix to "Value added" & "Premium" products &
  - ◆ Amortization of costs over higher volumes





## **Experienced Board Of Directors**



Ravi Uppal
MD & Group CEO

Function Co. 236 v

Experience: >36 years

Qualification: MBA (IIM – A)



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 directorExperience: 28

Qualification: LLB



Deepak Sood Nominee director



Anjan Barua Nominee Director



Kuldip Chander Sood Independent Director



Dr Amar Singh Independent Director



## ...& Best in Class Management





Anand Goel
Chief Advisor
Experience:
>36 years



Pravin Purang
Head- Organisational
Transformation

Experience:>30 years



Bharat Rohra
CEO - Power

Experience:
>30 years)



N.A. Ansari
CEO - Steel
Experience:
>38 years.



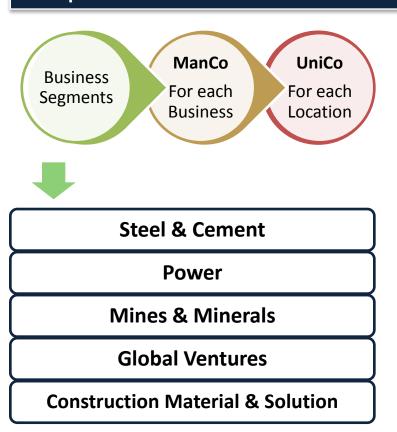


## Moving Towards Plural Leadership

### **Strategic Governance Structure**



### **Operational Governance Structure**



Implementation of Strategic & Operational Governance Structure

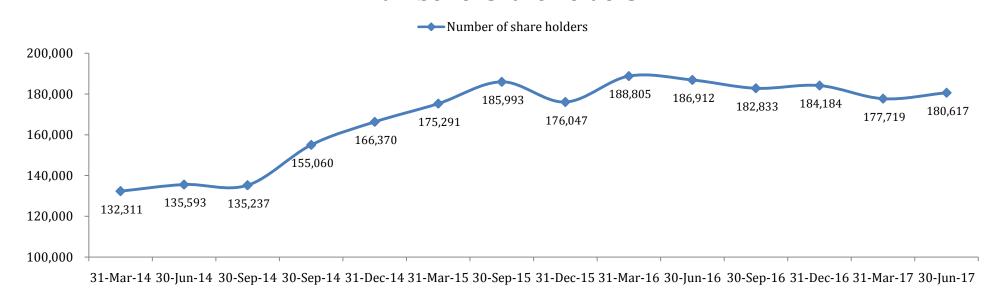




## Shareholding of JSPL from FY13

	31-Mar-14	30-Jun-14	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
Promoters	60.41%	60.41%	61.34%	61.89%	61.89%	61.89%	61.89%	61.89%	61.89%	61.89%	61.89%
Institutional Investors*	26.45%	27.15%	21.91%	19.53%	22.35%	21.08%	21.33%	20.00%	19.39%	19.57%	18.91%
Public and other share holding	13.14%	12.44%	16.75%	18.58%	15.76%	17.03%	16.77%	18.11%	18.72%	18.54%	19.20%
Total	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	1,35,593	1,35,237	175,291	185,993	176,047	188,805	186,912	182,833	184,184	177,719	180,617

### Number of share holders





## Focus for FY18



### **Capacity Utilization**

- Ensure Full Utilization of Steel Capacity
- Increase Operational efficiency of all processes
- Transition of product mix More "Value Added" & "Premium" products
- Volume ramp-up from Blast Furnace in Angul
- Optimally utilize power capacities to generate higher operating profits

### **Financial Prudence**

- Cost Savings & Incremental Operating Profits by Completion of Angul Phase IB
- Substantially increase margins in Oman utilize full Rebar capacity
- Further reduction in Working Capital
- Fixed Cost Reduction



## **Business Segments**



Global Mines & Construction Steel Power Minerals Ventures Material & Solution **Current Capacities – Domestic & Global** Cement IPP - 3400 MW\*\* 2 MTPA Steel 3.11 MTPA\* Road solutions 6.1 MTPA Steel\* CPP - 1634 MW **Coal Mines** Iron ore LGS

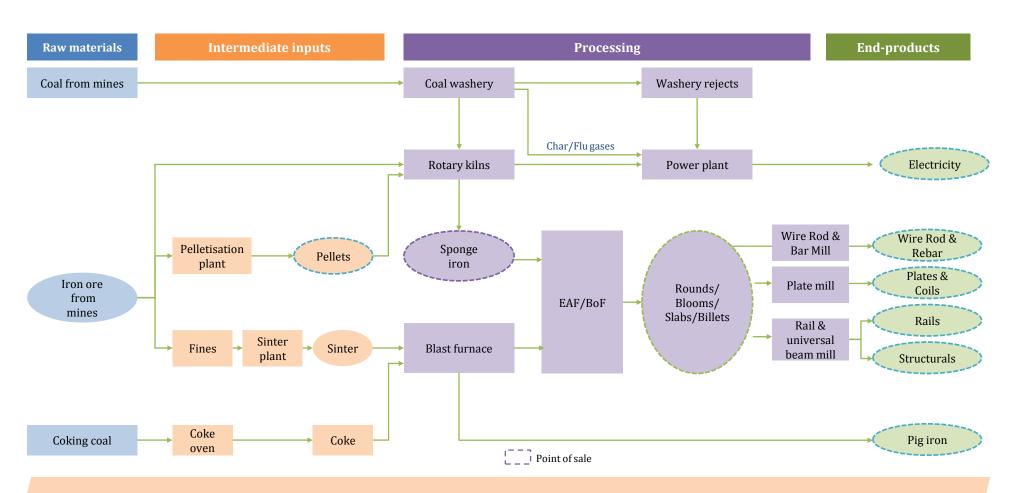
Domestic

<sup>\*\* 1000</sup> MW Divestment announced





## Integrated Operations with multiple point of sale



Multiple sale points across steel value chain





## Steel Capacities across Life Cycle

Iron Making (9.95 MTPA)

**DRI 3.12 MTPA** 

**BF 5.33 MTPA** 

**HBI 1.50 MTPA** 

Liquid Steel (8.10 MTPA)

**SMS 8.10 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** 

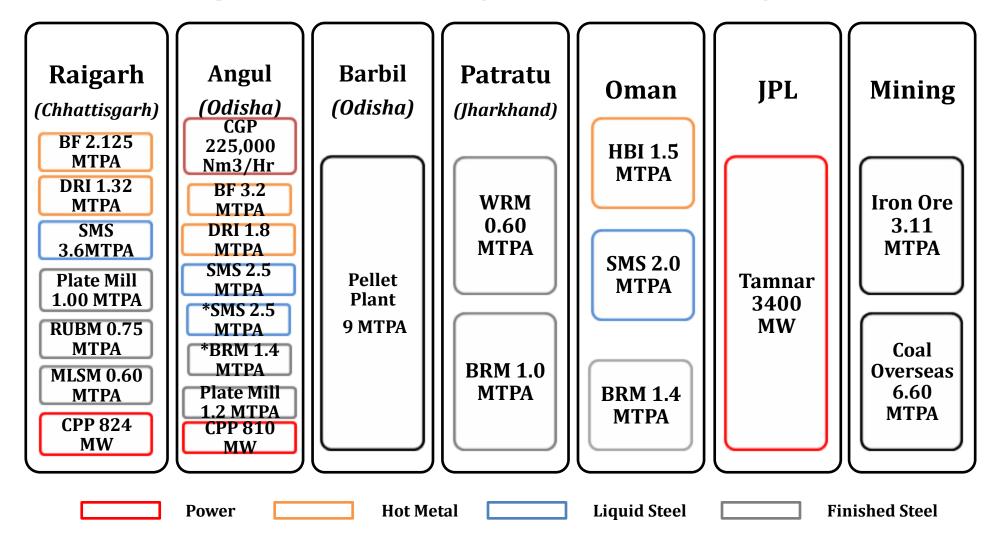
<sup>\*</sup>BoF in Angul 2.5 MTPA - To be commissioned

<sup>\*</sup>BRM in Angul 1.4 MTPA - To be commissioned





## Integrated & Diversified operations of scale



<sup>\*</sup>To be commissioned



## 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

### LONG PRODUCTS



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

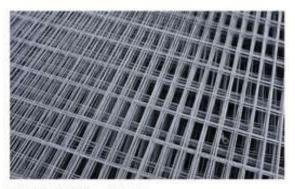
Sections: Depth: 350mm - 3000mm, Flange Width: 250mm - 1000mm, Length: 3 to 18 meters



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**











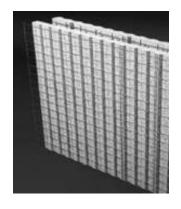
Cement

Cut & Bend

Welded Mesh

Speed Floor

LGS







Road Stabilizer



**Bricks & Pavers** 

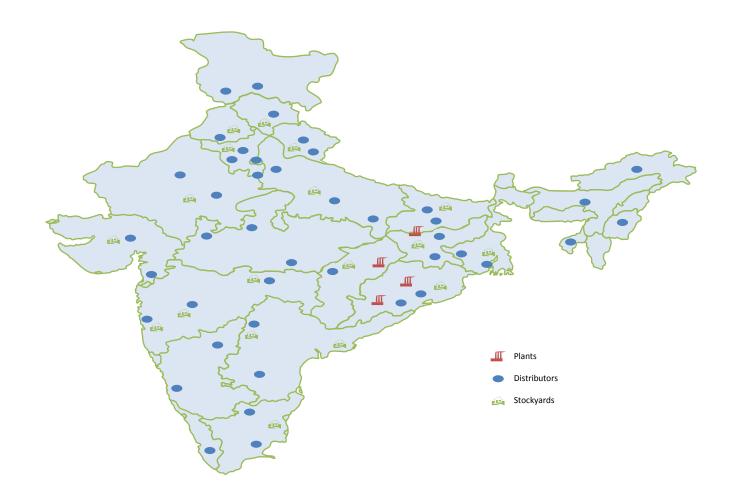


LWA



### **Extensive Sales and Distribution Network**





Pan India presence with multiple customer touch points





## Standalone 1Q FY 18 - Snapshot of Key Financials

(Figures in INR Crores)

Particulars	Q1FY18	Q1FY17	Q4FY17	%YoY	%QoQ
Total Revenue	3,832	3,562	4,554	+8%	-16%
EBITDA	750	659	928	+14%	-19%
EBITDA %	20%	19%	20%		
Depreciation	481	489	489	-2%	-2%
Finance Cost	532	601	529	-11%	+1%
Profit/(Loss) Before Tax	(263)	(431)	(81)	+39%	-224%
Profit/(Loss) After Tax	(178)	(277)	(116)	+36%	-53%
Cash Profit	218	58	408	+276%	-47%

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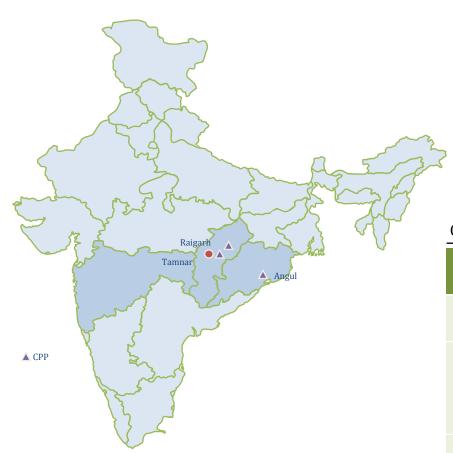
## **POWER BUSINESS**





## 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	2x25 MW & 40 MW (Waste heat) 2x55 MW 3x25 MW	Operational
Angul, Odisha	810	Coal	6 x135 MW	Operational

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

\*Divestment announced



## 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



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

Market purchase and e-auction

PPA



■ TNEB – 200 MW

 Bilateral/short term/ merchant ■ TNEB – 400MW

CSEB – 60MW

■ KSEB – 200MW

KSEB – 150MW

CSEB – 60MW

Evacuation



• 258km transmission line from plant to national grid

Open access available.

Open access to be finalised against PPAs

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

) Excluding auxiliary consumption 26





## **PPA Arrangements**

			Period		Quantum
Project	Buyer	Type	From	То	(MW)
Tamnar II (Phase 1)	Tamil Nadu	Long Term	Feb-14	Sep-28	400
Tamnar I	Tamin Nauu	Medium Term	Sep-12	Aug-17	200
Tamnar II (Phase 1)	KSEB	Long Term	Jun-16	May-41	200
Tamnar II (Phase 1)	KSLD	Long Term	Oct-17	Sep-42	150
Tamnar II (Phase 1)	Chhattiagarh	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 \*

\* Out of 3400 MW (IPP)



## JPL- Snapshot of Key Financials



(Figures in INR Crores)

Particulars	Q1FY18	Q1FY17	Q4FY17	%YoY	%QoQ
Net Sales	1,079	668	863	+62%	+25%
EBITDA	468	182	382	+157%	+23%
EBITDA %	43%	27%	44%		
Depreciation + Amortization	373	322	376	+16%	-1%
Interest	227	176	235	+29%	-3%
Profit/(Loss) Before Tax	(62)	(217)	(134)	+71%	+54%
Profit/(Loss) After Tax	(32)	(217)	(84)	+85%	+62%
Cash Profit	310	104	241	+198%	+29%
Generation (MU)	3,186	2,171	2,336	+47%	+36%

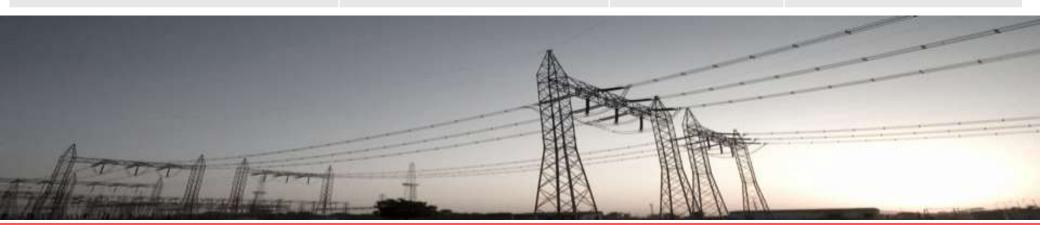
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## JPL Financials



Particulars	Net Sales (Rs. Cr.)	PAT (Rs. Cr.)	Generation (MU)
Year 2016-17	3,119	(668)	9,176
Year 2015-16	2,997	(766)	9,542
Year 2014-15	3,228	(171)	10636
Year 2013-14	2,457	1,107	8282
Year 2012-13	2,510	1,113	7973







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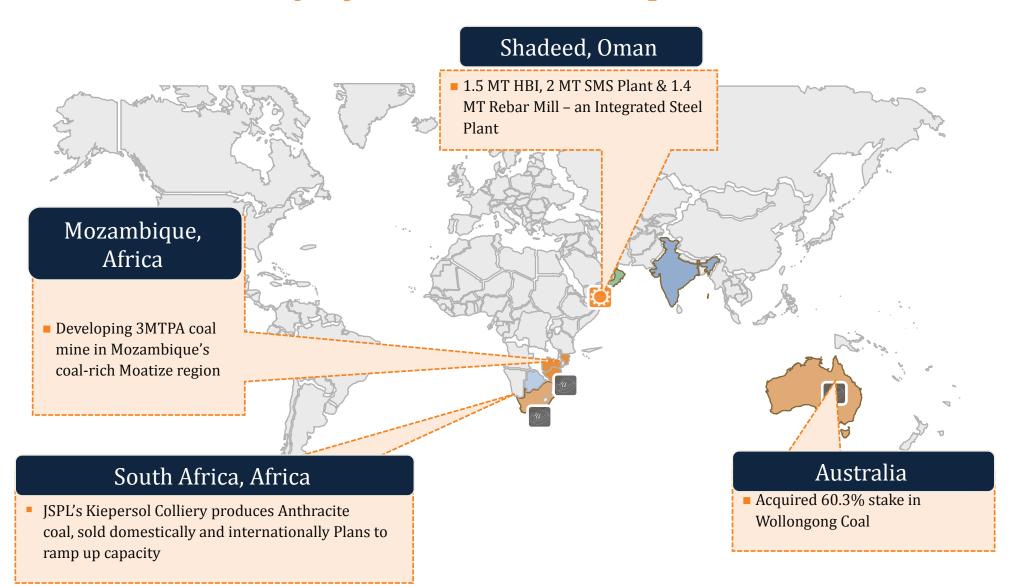
## **GLOBAL VENTURES**







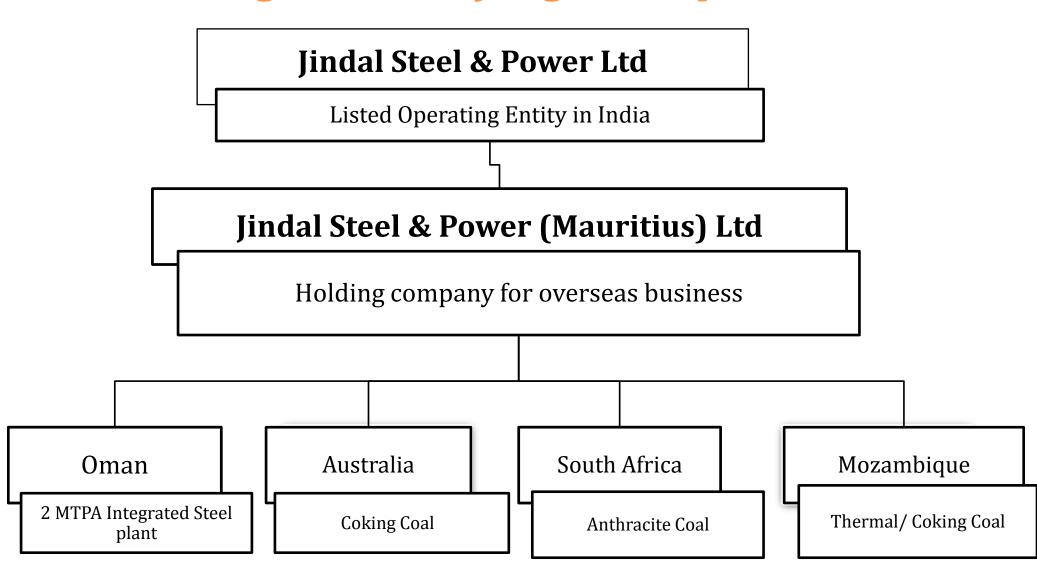
## Summary of International Operations







## 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
- 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

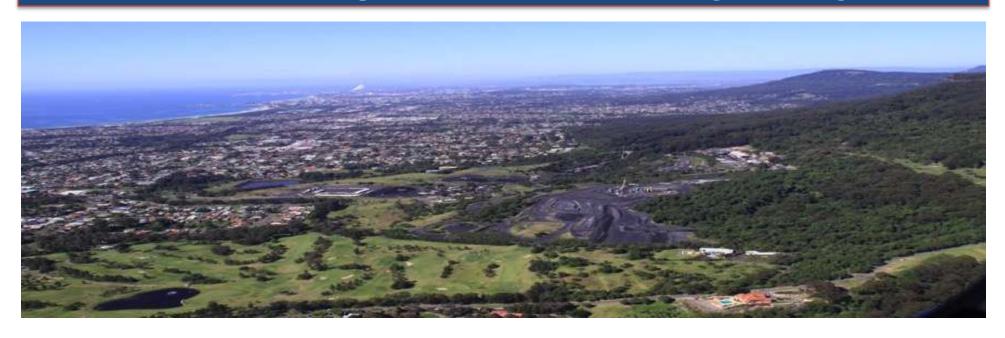
➤ Mining Capacity: 3 MTPA



#### Wollongong Coal Ltd., Australia



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



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

> Reserves: 175 MT

Products: High Quality Coking Coal

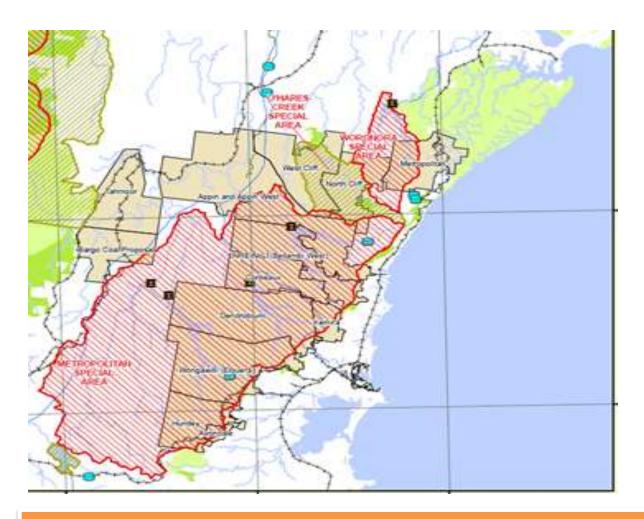
➤ **Mining Capacity**: Targeting 2 MTPA

**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

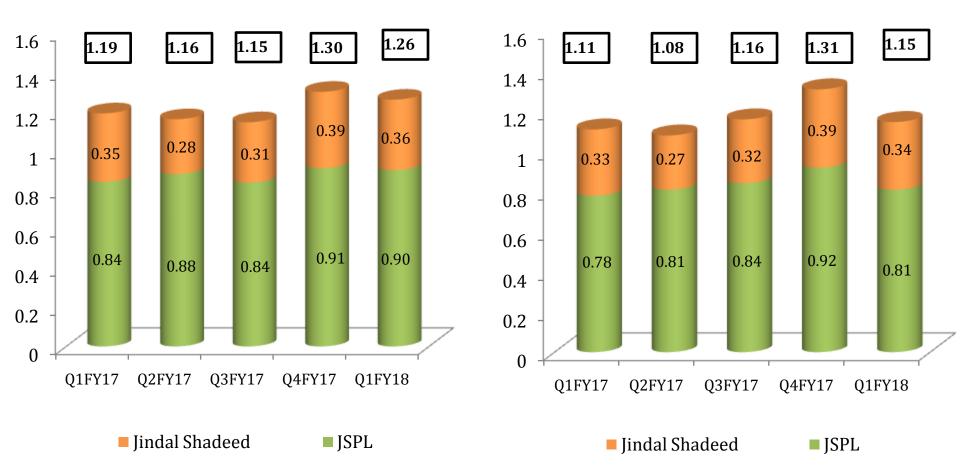




## Consolidated Steel Production

#### **Consolidated Steel Sales**

(Figures in Million Tonnes)







## Consolidated 1Q FY 18 - Snapshot of Key Financials

(Figures in INR Crores)

Particulars	Q1FY18	Q1FY17	Q4FY17	%YoY	%QoQ
Total Revenue	6,127	5,125	6,765	+20%	-9%
EBITDA	1,353	1,015	1,569	+33%	-14%
EBITDA %	22%	20%	23%		
Depreciation	962	917	1,006	+5%	-4%
Finance Cost	901	853	881	+6%	+2%
Profit/(Loss) Before Tax	(510)	(1,381)	(56)	+63%	-817%
Profit/(Loss) After Tax	(421)	(1,240)	(98)	+66%	-328%
Cash Profit	453	(463)	950	+198%	-52%

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#### Consolidated Financials at a Glance

(Figures in INR Crores)

	FY11	FY12	FY13	FY14	FY15	FY16	FY17
INCOME STATEMENT							
Revenue	13,194	18,351	19,943	19,352	19,626	20,368	22,706
EBITDA	6,398	6,935	6,131	5,522	5,708	3,437	4,709
PAT	3,804	4,002	2,912	1,894	-1,455	-3,086	-2,540
Cash Profit	5,115	5,575	4,594	3,876	2,065	104	906
SIGNIFICANT RATIOS							
EBITDA Margin (%)	48%	38%	31%	29%	29%	17%	21%
Net Profit to Sales (%)	29%	22%	15%	10%	-7%	-15%	-11%
EPS (INR/Share)	40.8	42.4	31.1	20.5	-15.9	-33.7	-27.8





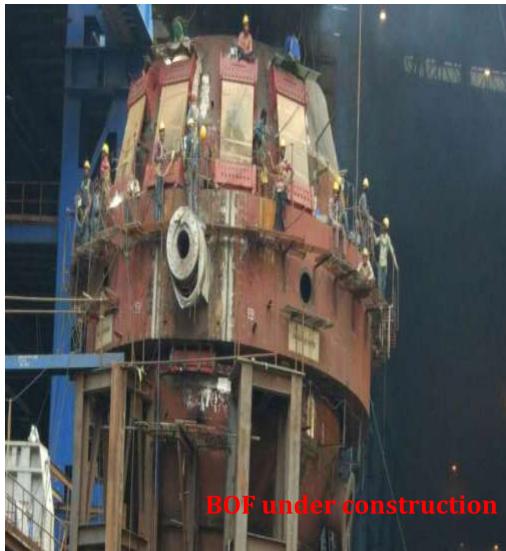
# Key Initiatives & Project Updates





#### **ANGUL**









#### Converted: EAF to NEOF (Zero power furnace), Raigarh



- ➤ JSPL has successfully converted one of its Electric Arc Furnace(EAF) to a basic oxygen type furnace.
- ➤ Would result in i) lower Thermal coal requirement (as more hot metal produced through Blast Furnace route will be used) ii) power savings and iii) eliminates consumption of Electrodes.
- This will result in substantial saving in our steel making (liquid steel) cost at Raigarh.



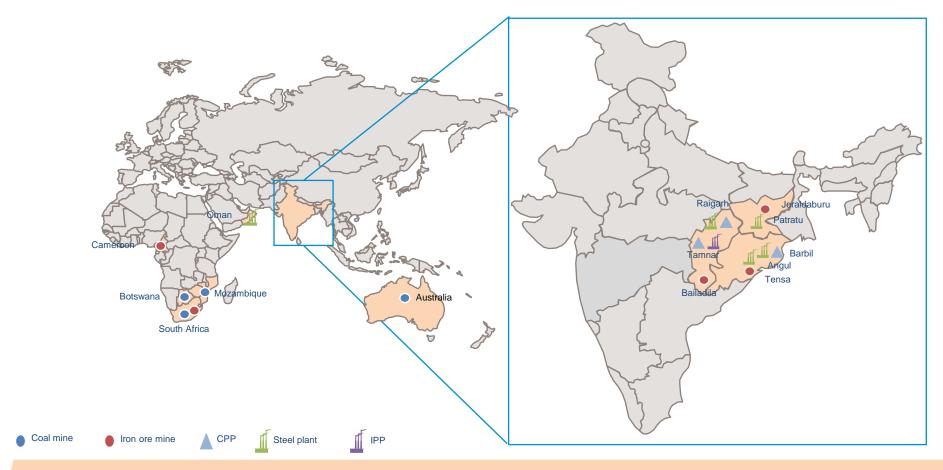


## Facilities at a glance





#### 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







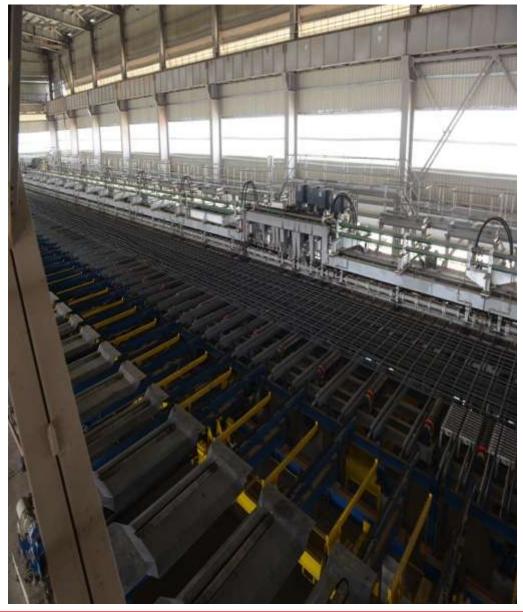


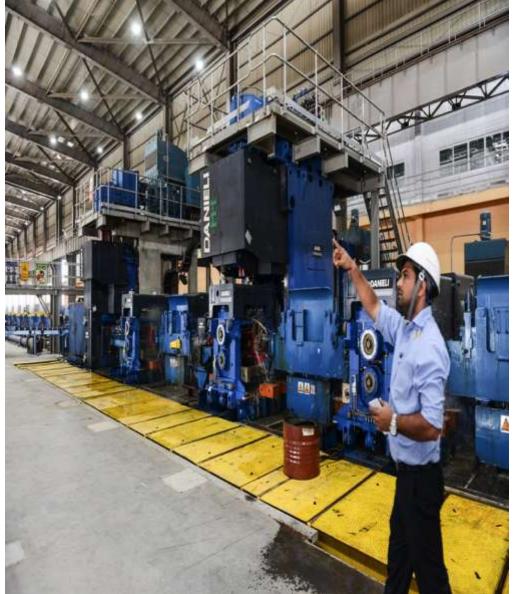
## Oman



## Jindal Shadeed, Oman









## Making Sustainability A Focus Priority







## 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

- Mr. Naveen Jindal, Chairman, JSPL received the 'Steelie Award 2016' for being the "Industry Communicator of the Year"
- JSPL has been ranked by Institutional Investor Magazine:
  - #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 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
- Jindal Shadeed won following laurels
  - Prestigious "Sultan Qaboos Award" for Industrial Excellence by the Ministry of Commerce and Industry on February 9, 2016
  - 2016 Steel Manufacturing Product Line Strategy Leadership Award, GCC", at GIL 2016: Middle East, Dammam, Saudi Arabia on February 10, 2016
- Jindal Shadeed have received 2 Awards from Midrex
  - For the achievement of 5 Million tons of production within 4 years of Operation [2011 2014]
  - For the achievement of Exceptional annual operational availability for the year 2014 98.51%. (Total 3 plants have received the awards out of 72 Midrex DR Plants in the world, and Jindal Shadeed stands number 2.)
- JSPL Raigarh got placed in Limca book of world records' for manufacturing longest 121 meter long single piece track rail
- JPL received "Par Excellence Award for 5'S implementation" by QCFI on 26th Nov'16
- JPL was awarded 2<sup>nd</sup> rank amid the top 25 'Best in Industry' companies in Dale Carnegie Global Leadership Award



## Award and Accolades for JSPL (2014-15)

- National Award for Excellence in Energy Management 2014, CII
- National Award for Innovative Training Practices, ISTD Delhi, 2014
- Dun & Bradstreet Infra Award 2014 in Power Category
- Chhattisgarh Industrial Health & Safety Award, Govt of Chhattisgarh, 2014
- Award for Innovative HR Practices, Global HR Excellence Awards, 2015
- Best CSR Practice Education, Think Media Inc., 2014
- Project Excellence Award, Global Symposium, 2014
- Procurement Excellence Award: "Outstanding Leader in Procurement" at the 2nd Annual CPO Forum India & Awards 2014.
- Innovation in Employee Retention Strategies, Greentech Foundation, 2014
- 2nd Best in Overall Mining Mega Mines Group, Annual Safety Fortnight Competitions, 2015



#### Other Award and Accolades



2013	International Safety Award with merit 2014 by British Safety Council, UK. World CSR Congress Award 2013 Greentech CSR Award 2013
	dicenteen GSR (1ward 2015
2012	Golden Peacock National CSR Award 2012
	Danked No. 1 as Wealth Creator in India even a 10 years period (Dusiness World)
	Ranked No.1 as Wealth Creator in India over a 10- year period (Business World)
	Awarded the Dun & Bradstreet- Rolta Corporate Awards 2011
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
2010	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
2009	











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#### DISCLAIMER



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## **THANK YOU**