





Jindal Steel and Power Ltd

Investor Presentation

2Q FY19 (Nov' 18)







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Jindal Steel & Power Limited Building the Nation of Our Dreams

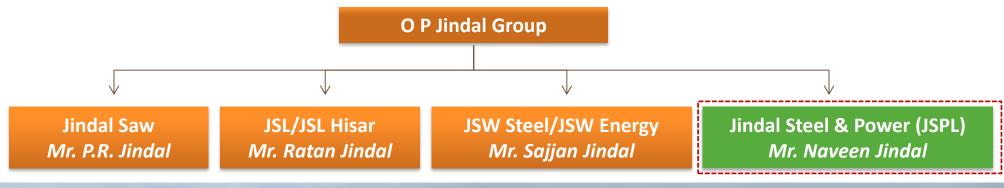








Ownership Structure - O P Jindal Group

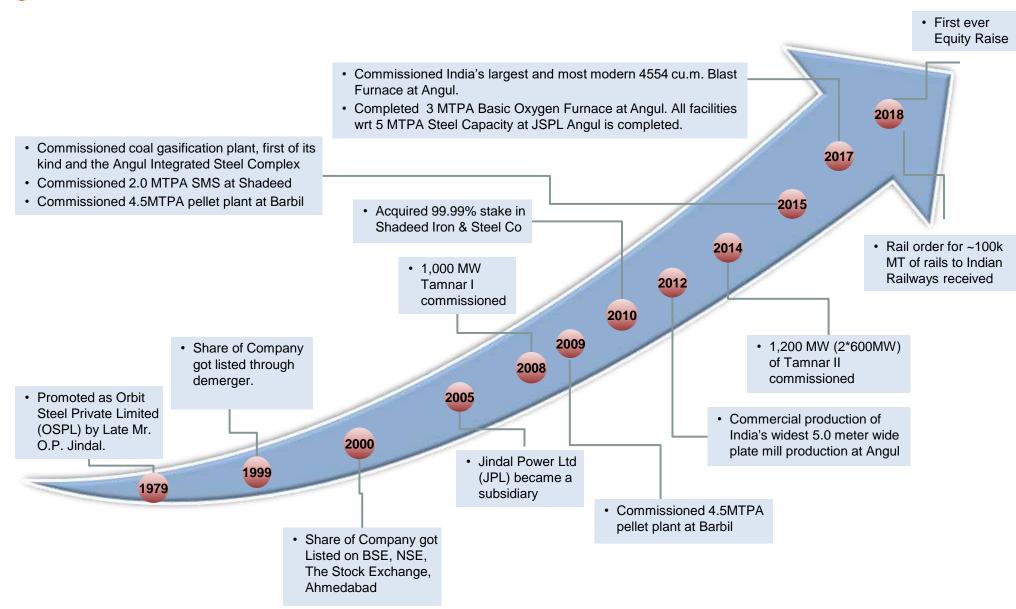






Key Milestones during our journey









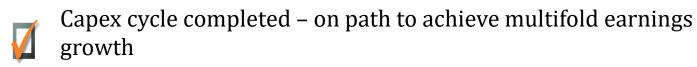
JSPL - Formidable Steel & Power player











- 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









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 vears

· 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.



Deepak Sogani *CFO*

• Experience: >30 years



Bharat Rohra MD & CEO - Power

• Experience: >30 years



Ashish Kumar Head – Mines & Minerals

• Experience: >20 years



Rajeev Jain CFO - JPL

• Experience: >23 years)



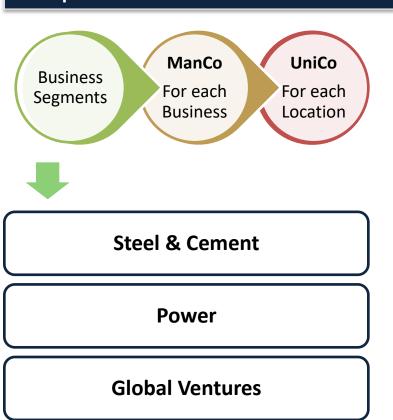


Moving Towards Plural Leadership

Strategic Governance Structure



Operational Governance Structure



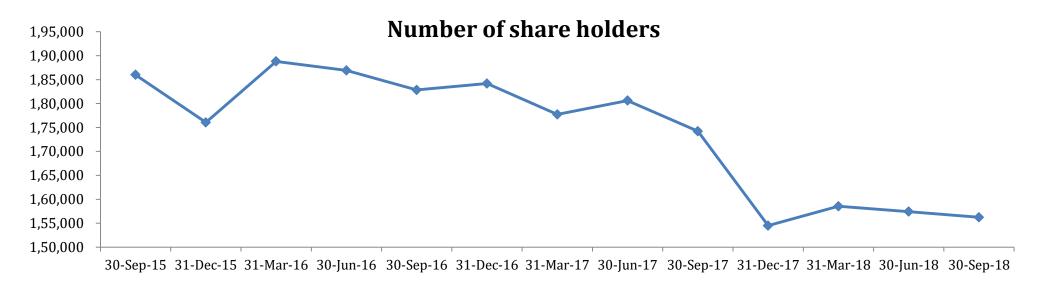
Implementation of Strategic & Operational Governance Structure





Shareholding of JSPL from FY16

	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	30-Jun-18	30-Sep-18
Promoters	61.89%	61.89%	61.89%	61.89%	61.89%	61.89%	61.89%	61.89%	61.96%	58.66%	58.66%	58.66%
Institutional Investors*	22.35%	21.08%	21.33%	20.00%	19.39%	19.57%	18.91%	21.22%	23.60%	28.76%	28.85%	29.01%
Public and other share holding	15.76%	17.03%	16.77%	18.11%	18.72%	18.54%	19.20%	16.89%	14.44%	12.58%	12.49%	12.33%
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%
No. of share holders	176,047	188,805	186,912	182,833	184,184	177,719	180,617	174,223	154,489	158,544	157,421	156,226



Highest institutional shareholding in the past 5 years



Business Segments



Steel Power Global Ventures







Current Capacities - Domestic & Global







8.6 MTPA Steel*
3.11 MTPA* Iron ore

9 MTPA* Pellet Plant

IPP - 3400MW**

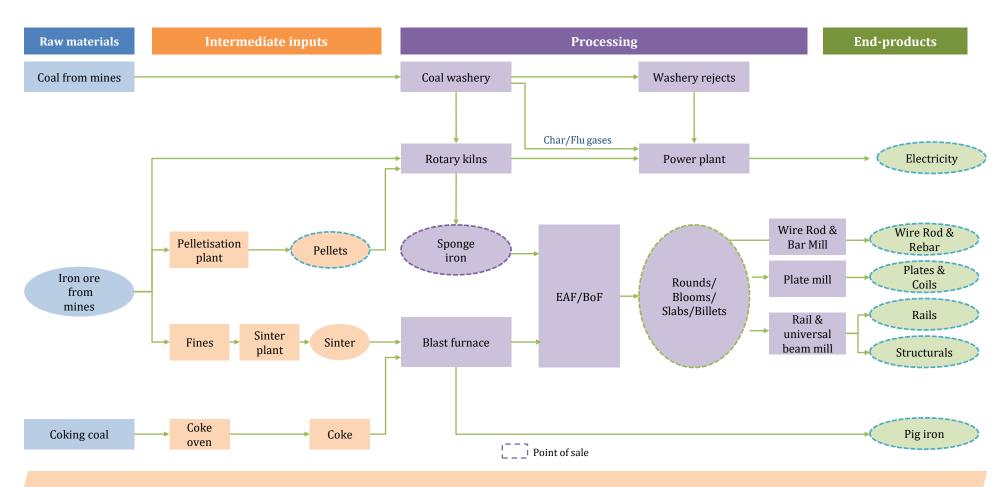
CPP - 1634 MW

2 MTPA Steel Coal & Iron Ore Mines





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

(7.95 MTPA)

WRM 0.60 MTPA

RUBM 0.75 MTPA

MLSM 0.60 MTPA

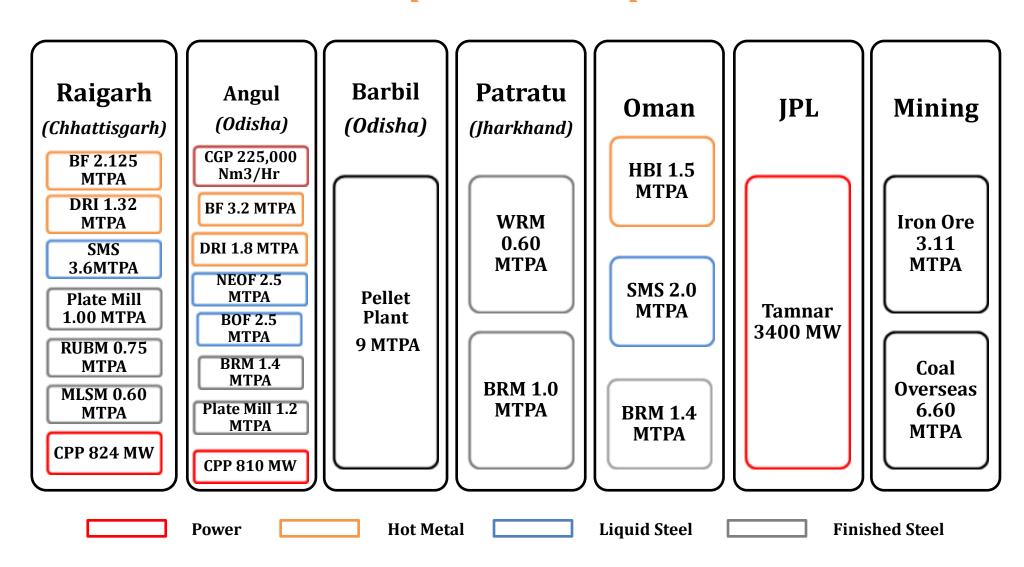
Plate Mill 2.20 MTPA

BRM 3.80 MTPA



Detailed plant wise capacities





^{*}Plant capacities shown above are completed but not all are commissioned



Manifold Growth in the Last 5 Years



	<u>FY '14</u>	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 growth 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%

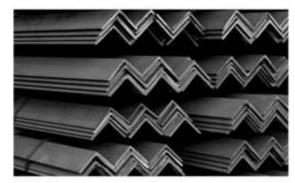


JSPL Product Range





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



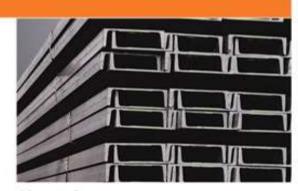
Angles Sizes: 50mm to 250mm



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

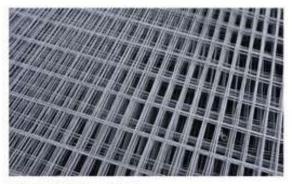


Customized and Ready to Use TMT Rebars



Speed Floor

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



Welded Wire Mesh

Width: 1200mm to 3200mm Length: 2000mm to 6000mm



Special Grade Plates - Angul



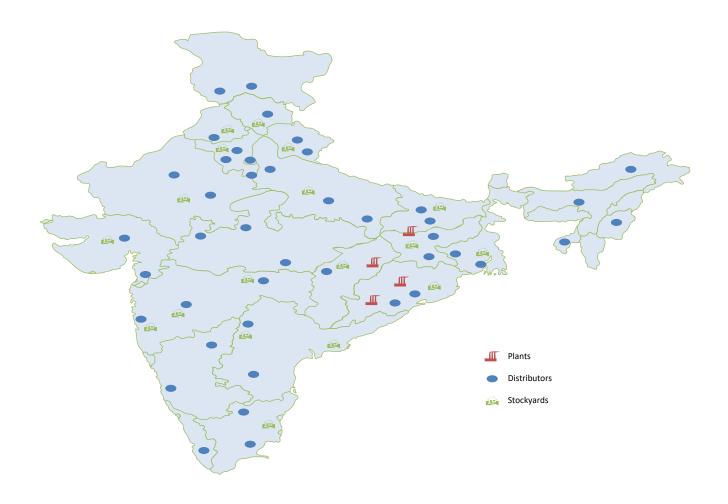


Developed steel grades for various critical applications like boilers, ship building, petroleum pipes, high strength grades for automotive and earth movers, structural steel for oil exploration platforms, grades for making warships, ballistic launch applications and bullet proof vehicles, stainless steel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



Extensive Sales and Distribution Network





Pan India presence with multiple customer touch points



JSPL Standalone Key Financials



(Figures in Rs. Crores)

Parameter(in Crores of INR)	Q2 FY 2018-19	Q1 FY 2018-19	Q2 FY 2017-18	%QoQ	%YoY
Turnover	6,849	6,734	3,668	+2%	+87%
EBITDA	1,452	1,645	784	-12%	+85%
EBITDA %	21%	24%	21%		
Depreciation + Amortization	583	577	496	+1%	+18%
Interest	676	605	578	+12%	+17%
PBT (Before Exceptional)	194	463	(290)	-58%	
Exceptional	(255)		150		
PBT	449	463	(440)	-3%	
PAT	383	332	(255)	+15%	

(Figures in Rs. Crores)

Parameter(in Crores of INR)	H1 FY 2018-19	H1 FY 2017-18	%YoY
Turnover	13,583	7,041*	+93%
EBITDA	3,097	1,533	+102%
EBITDA %	23%	22%	
Depreciation + Amortization	1,159	976	+19%
Interest	1,281	1,111	+15%
PBT (Before Exceptional)	657	(554)	
Exceptional	(255)	150	
PBT	912	(703)	
PAT	715	(433)	





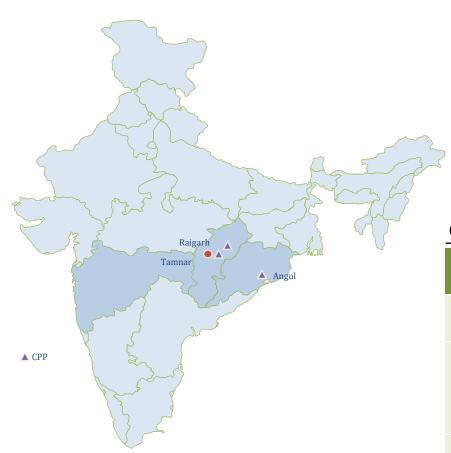
POWER BUSINESS





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



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 JINDAL



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







		Period		Quantum	
Project	Buyer	Type	From	То	(MW)
Tamnar II (Phase 1)	Tamil Nadu	Long Term	Feb-14	Sep-28	400
Tamnar I	Tallili 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 Rs. Crores)

Parameter(in Crores of INR)	Q2 FY 2018-19	Q1 FY 2018-19	Q2 FY 2017-18	%QoQ	%YoY
Turnover	911	968	878	-6%	+4%
EBITDA	302	314	345	-4%	-12%
EBITDA %	33%	32%	39%		
Depreciation + Amortization	333	329	377	+1%	-12%
Interest	222	216	227	+3%	-2%
PBT	(183)	(163)	(190)		
PAT	(153)	(134)	(176)		
Cash Profit	150	167	187	-10%	-20%
Generation (million units)	2,427	2,751	2,427	-12%	

(Figures in Rs. Crores)

Parameter(in Crores of INR)	H1 FY 2018-19	H1 FY 2017-18	%YoY
Turnover	1,879	1,958	-4%
EBITDA	616	813	-24%
EBITDA %	33%	42%	
Depreciation + Amortization	663	750	-12%
Interest	438	454	-4%
PBT	(346)	(252)	
PAT	(287)	(208)	
Cash Profit	317	497	-36%
Generation (million units)	5,178	5,613	-8%

- - 27



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







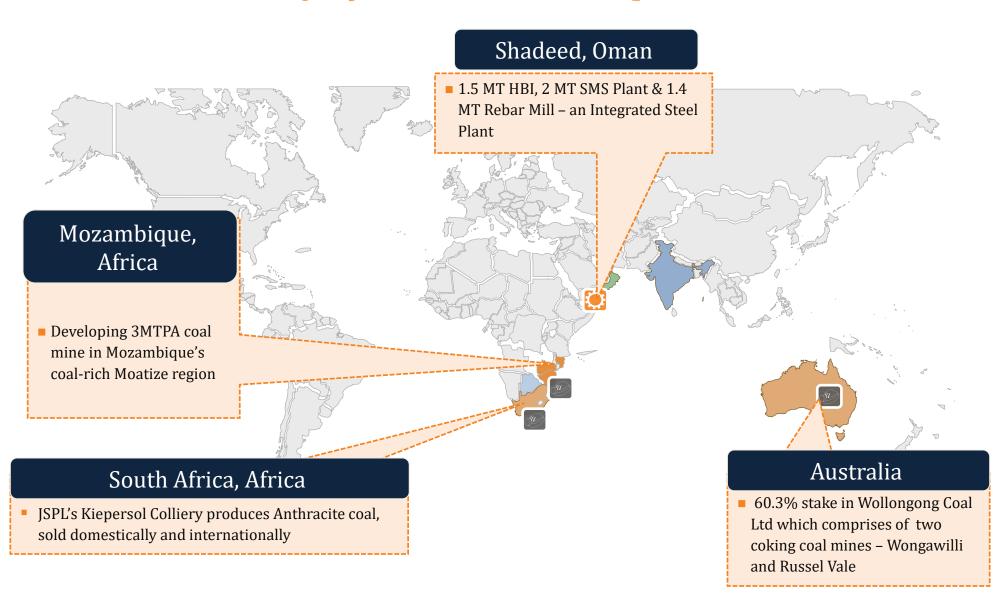
GLOBAL VENTURES







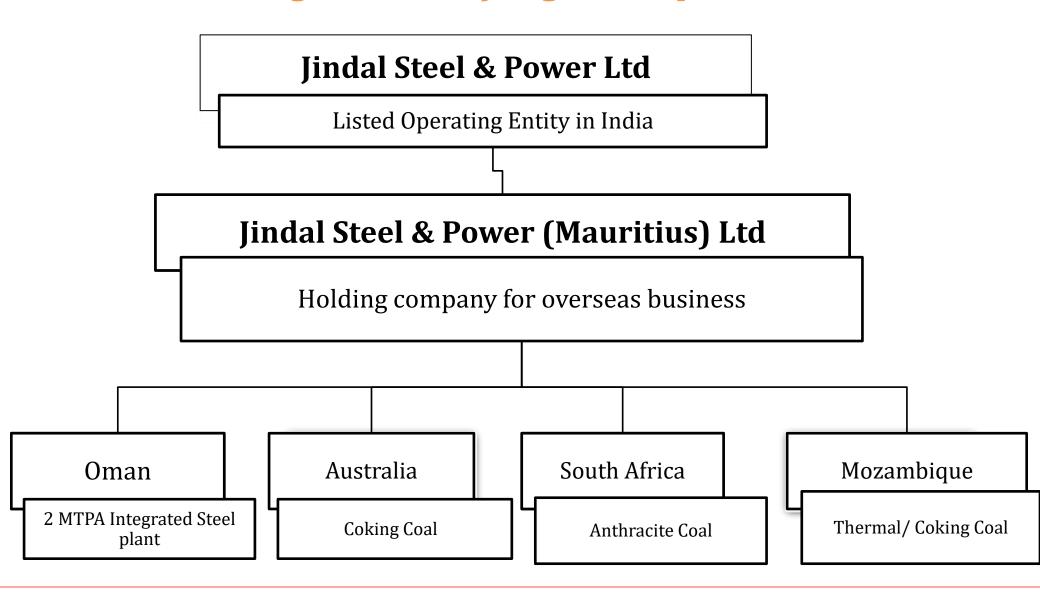
Summary of International Operations







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

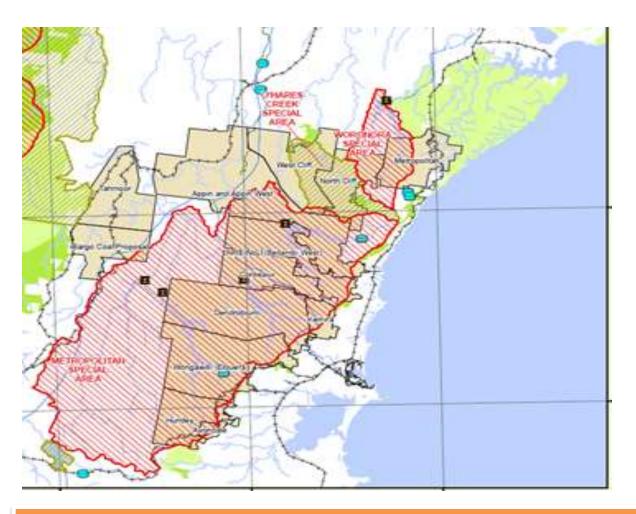
➤ **Mining Capacity**: Targeting 2 MTPA

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

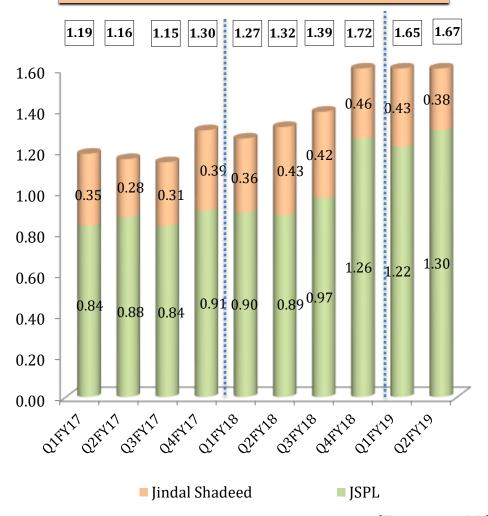
Unique unmatched location with strategic advantages



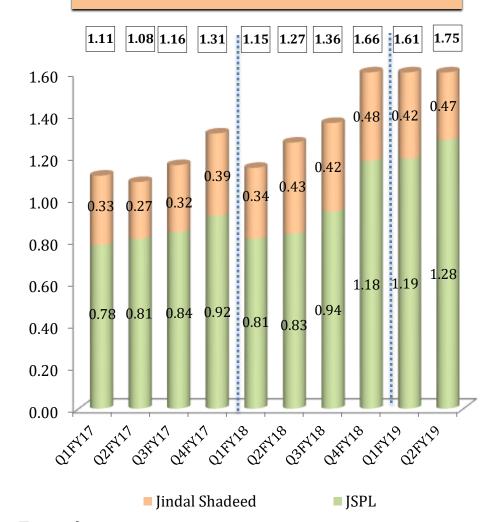
Operational Performance



Consolidated Steel Production



Consolidated Steel Sales



(Figures in Million Tonnes)



JSPL Consolidated Key Financials



(Figures in Rs. Crores)

Parameter(in Crores of INR)	Q2 FY 2018-19	Q1 FY 2018-19	Q2 FY 2017-18	%QoQ	%YoY
Turnover	9,982	9,665	6,123	+3%	+63%
EBITDA	2,207	2,277	1,373	-3%	+61%
EBITDA %	22%	24%	22%		
Depreciation + Amortization	1,031	1,040	998	-1%	+3%
Interest	1,086	973	927	+12%	+17%
PBT (Before Exceptional)	91	264	(550)	-65%	
Exceptional	(255)		150		
PBT	347	264	(699)	+31%	
PAT	279	110	(499)	+154%	

(Figures in Rs. Crores)

Parameter(in Crores of INR)	H1 FY 2018-19	H1 FY 2017-18	%YoY
Turnover	19,648	11,792*	+67%
EBITDA	4,484	2,726	+64%
EBITDA %	23%	23%	
Depreciation + Amortization	2,071	1,960	+6%
Interest	2,059	1,827	+13%
PBT (Before Exceptional)	355	(1,060)	
Exceptional	(255)	150	
PBT	610	(1,209)	
PAT	389	(921)	







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



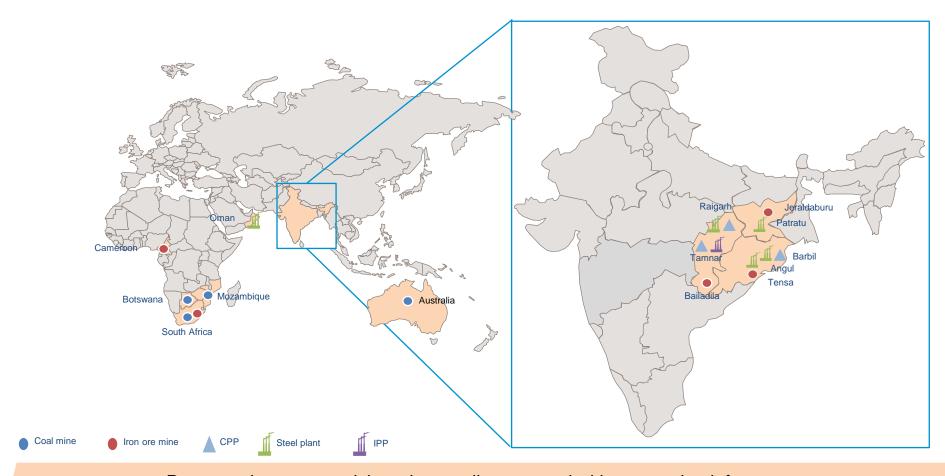


Facilities at a glance





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







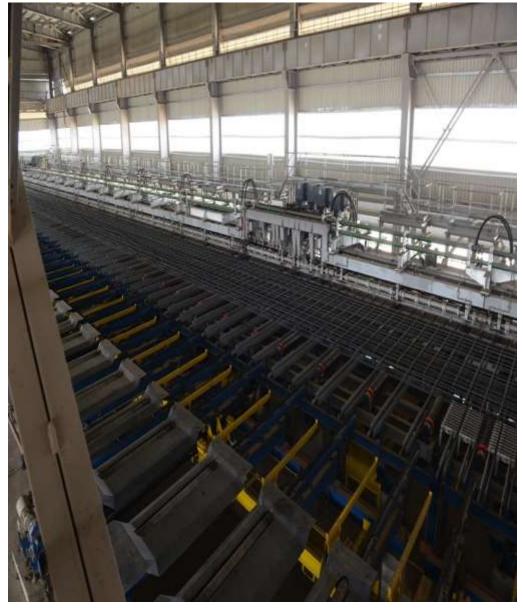


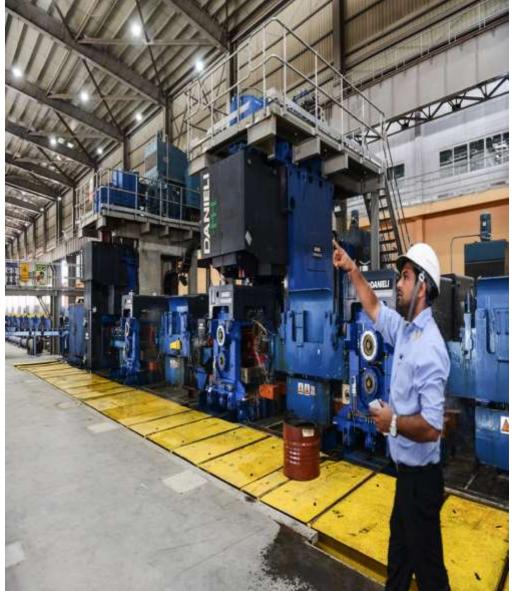
Oman



Jindal Shadeed, Oman









Making Sustainability A Focus Priority JINDAL







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



- JSPL was awarded "Odisha Excellence Award, 2018", for its sustainable social development in the state.
- Jindal Panther was awarded "Iconic Brand of the Year" by Economic Times
- JSPL has been ranked by Institutional Investor Magazine in 2018:
 - #1 in Asia in Best IR Professionals Rankings (Sell Side) in Basic Material Sector
- Jindal Panther bagged "India's Most Trusted Brand Award" organised by IBC Info Media Corp USA
- Jindal Shadeed Sultan QABOOS award for Industrial Excellence & Innovation 2017-18
- JSPL Tensa was conferred with 23 prizes during 55th Annual Mines Safety Week celebration 2017
- 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 2nd 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