

Vedanta Limited

Citi: India Investor Conference June 2017



Elements for a Sustainable Future

VEDANTA LIMITED - OIL & GAS | ZINC | POWER | ALUMINIUM | IRON ORE | COPPER



The views expressed here may contain information derived from publicly available sources that have not been independently verified.

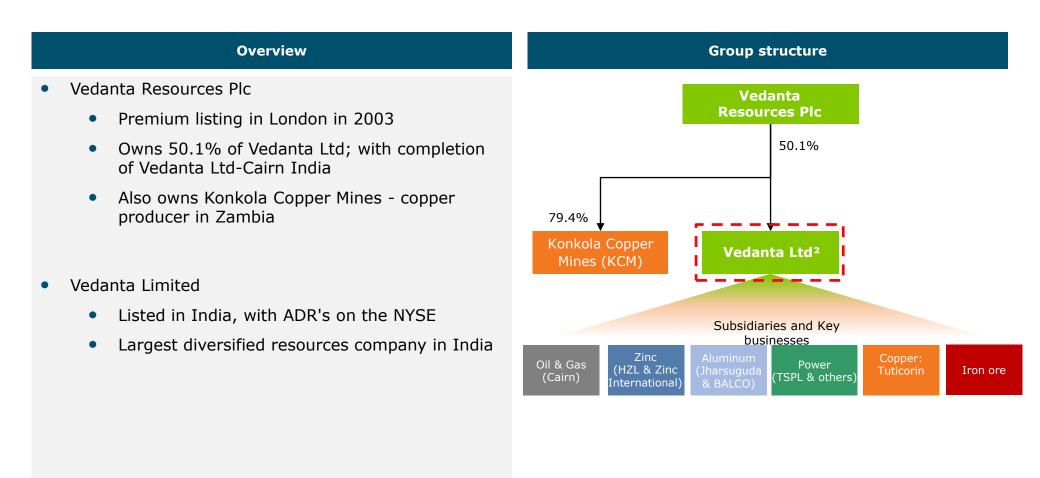
No representation or warranty is made as to the accuracy, completeness, reasonableness or reliability of this information. Any forward looking information in this presentation including, without limitation, any tables, charts and/or graphs, has been prepared on the basis of a number of assumptions which may prove to be incorrect. This presentation should not be relied upon as a recommendation or forecast by Vedanta Resources plc and Vedanta Limited (formerly known as Sesa Sterlite Ltd.) and any of their subsidiaries. Past performance of Vedanta Resources plc and Vedanta Limited (formerly known as Sesa Sterlite Ltd.) and any of their subsidiaries cannot be relied upon as a guide to future performance.

This presentation contains 'forward-looking statements' – that is, statements related to future, not past, events. In this context, forward-looking statements often address our expected future business and financial performance, and often contain words such as 'expects,' 'anticipates,' 'intends,' 'plans,' 'believes,' 'seeks,' or 'will.' Forward-looking statements by their nature address matters that are, to different degrees, uncertain. For us, uncertainties arise from the behaviour of financial and metals markets including the London Metal Exchange, fluctuations in interest and or exchange rates and metal prices; from future integration of acquired businesses; and from numerous other matters of national, regional and global scale, including those of a environmental, climatic, natural, political, economic, business, competitive or regulatory nature. These uncertainties may cause our actual future results to be materially different that those expressed in our forward-looking

statements. We do not undertake to update our forward-looking statements. We caution you that reliance on any forward-looking statement involves risk and uncertainties, and that, although we believe that the assumption on which our forward-looking statements are based are reasonable, any of those assumptions could prove to be inaccurate and, as a result, the forward-looking statement based on those assumptions could be materially incorrect.

This presentation is not intended, and does not, constitute or form part of any offer, invitation or the solicitation of an offer to purchase, otherwise acquire, subscribe for, sell or otherwise dispose of, any securities in Vedanta Resources plc and Vedanta Limited (formerly known as Sesa Sterlite Ltd) and any of their subsidiaries or undertakings or any other invitation or inducement to engage in investment activities, nor shall this presentation (or any part of it) nor the fact of its distribution form the basis of, or be relied on in connection with, any contract or investment decision.





1. Post merger of Vedanta Ltd and Cairn India Ltd

2. Divisions of Vedanta Ltd include: Sesa Iron Ore, Sterlite Copper (Tuticorin), Power (600 MW Jharsuguda), Aluminium (Odisha aluminium and power assets) and MALCO Power (100 MW)

Vedanta Limited: A world-class natural resource powerhouse anchored in India

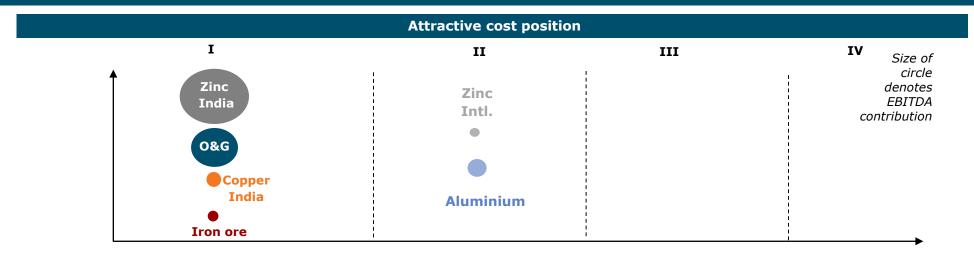


- The completion of the Cairn merger enables
 - Greater financial flexibility to allocate capital efficiently
 - Focus on shareholder returns Dividend policy announced
- 6th largest diversified resources company in the world¹
- Only global player with significant operations, expertise and majority sales in the Indian market – the fastest growing G-20 economy²
- Solid Balance sheet: Net Debt/EBITDA at 0.4x³ lowest and strongest among Indian and global peers
- With a market capitalisation of c. USD 14bn⁴, inclusion in India's premier index the Nifty 50 from May 26th
- Increase in free float by c. 70% to c. USD 7bn

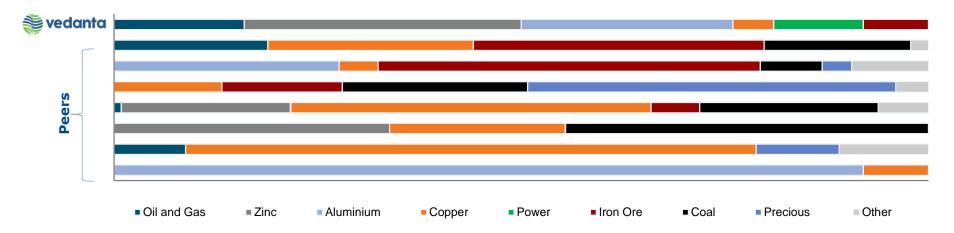
Notes: 1. As per 2016 reported EBITDA 2. As per Moody's 3. As of March 31, 2017 4. Pro-forma market cap based on May 12, 2017 share price

Vedanta Limited: A well diversified resources company, with low cash cost positions





Commodity diversification¹

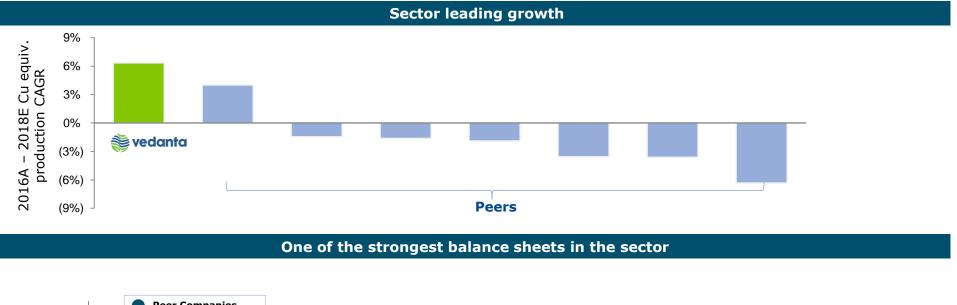


Peers include BHP Billiton, Rio Tinto, Anglo American, Glencore, Teck Resources, Freeport and Hindalco

Source: Consensus, Company filings, Bloomberg, Wood Mackenzie, CRU for Aluminium ; Company data for Vedanta

Note: 1. All companies have been calenderised to a Dec YE; Glencore revenue split accounts only for their 'Industrial activities'; Revenues from copper smelting for Vedanta Ltd and Hindalco are based on benchmark Tc/Rc

Sector leading growth and one of the strongest balance sheets in the sector





Peers include BHP Billiton, Rio Tinto, Anglo American, Glencore, Teck Resources, Freeport and Hindalco Source: Consensus, Company filings, Bloomberg, Wood Mackenzie, CRU for Aluminium ; Company data for Vedanta Notes: 1. Gearing is calculated as Net debt divided by the sum of Net debt and Equity (based on reported numbers)

2. EBITDA as per CY 2017E consensus

vedanta

🐞 vedanta

Operations: Record production, capacities ramping-up

- Ramp-up of capacities at Aluminum, Power, Iron Ore
- Record production at Zinc–India, Aluminum, Power and Copper India
- Gamsberg zinc project on track for CY18 production

Financial: Strong free cash flow; PAT² up 2.6 times

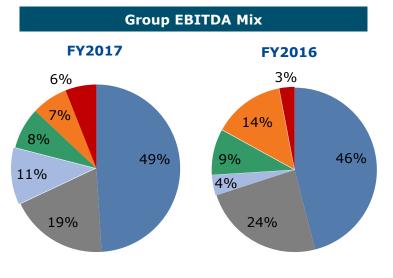
- Significantly higher FCF of c. Rs. 13,312 crore
- Q4 FY2017 EBITDA doubled versus Q4 FY2016
- Cost and Marketing saving of c.\$712mn, enabling strong margins
- Gross debt reduced by c. Rs. 4,115³ crore, further reduction of c. Rs. 6,200 crore post 1st April 2017
- Highest ever dividend of Rs. 7,099 crore during FY2017
- FY2017 contribution to exchequer: c. Rs. 40,000 crore (including dividends to Government)

Corporate

- Merger with Cairn India completed
- Dividend policy announced

Notes: 1. Excludes custom smelting at Copper and Zinc India operations

- 2. Attributable PAT before exceptional & DDT (Dividend Distribution Tax)
- 3. Excluding HZL Temporary short term borrowing (Rs 7,908 crore) for dividend payment

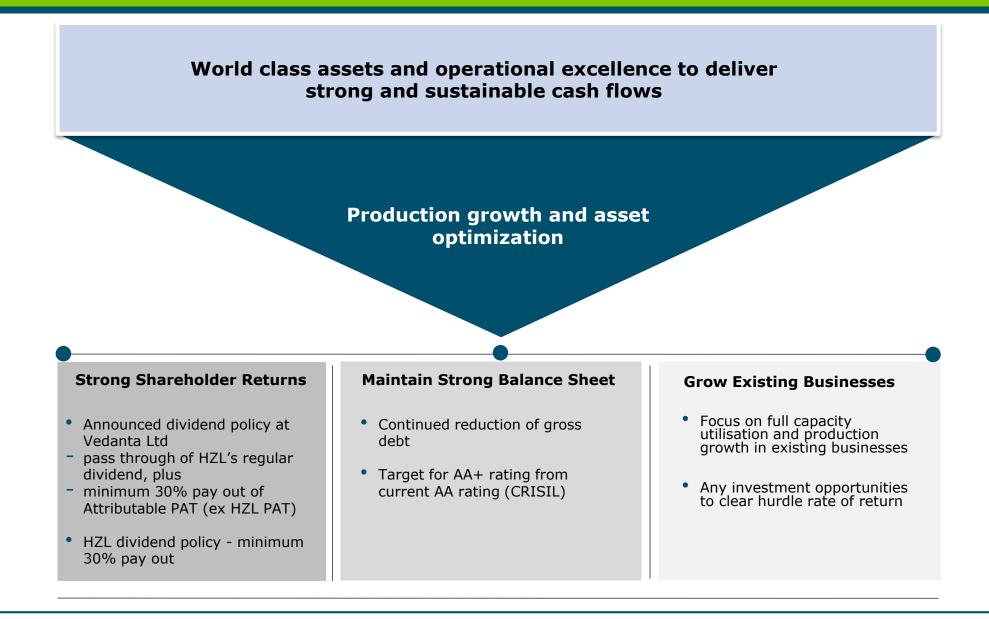


■ Zinc ■ Oil & Gas ■ Aluminium ■ Power ■ Copper ■ Iron Ore

Key Financials

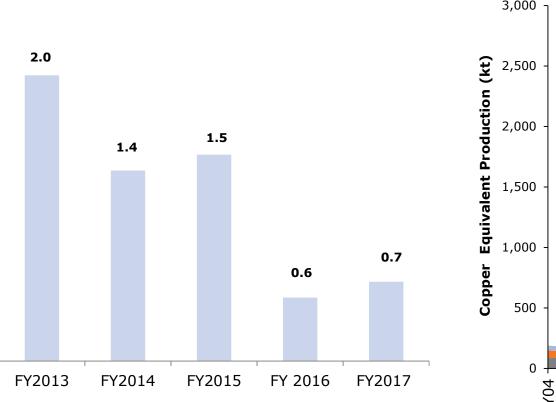
In Rs. crore	FY2017	FY2016
EBITDA	21,437	15,184
Attributable PAT (before exceptional & DDT) ²	7,323	2,839
Attributable PAT (before exceptional)	5,681	1,218
Group EBITDA Margin ¹	39%	30%



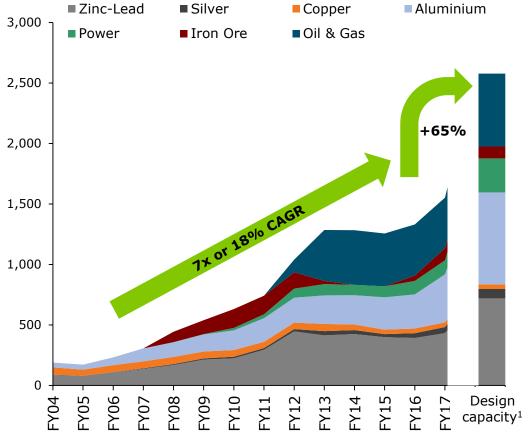




Significant capex already spent, ready to reap benefits from incremental production with low remaining capex Capex Spent (US\$bn)



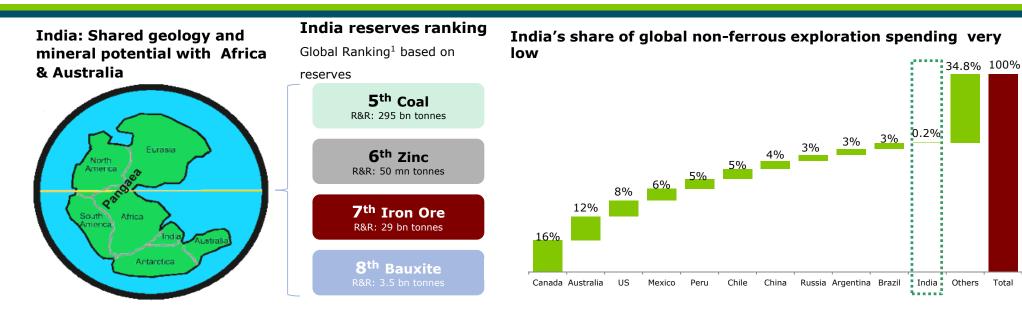
Total Production (copper equivalent kt)



All commodity and power capacities rebased to copper equivalent capacity (defined as production x commodity price / copper price) using average commodity prices for FY16. Power rebased using FY16 realisations, copper custom smelting production rebased at TC/RC for FY16, iron ore volumes refers to sales with prices rebased at average 58% FOB prices for FY16. 1. Iron ore assumed at current EC capacity of 7.8mt

India has the resource base to support its growth





Aeromagnetic Studies done since 1990

India vs. Australia

	Australia	India
Area (mn km ²)	7.7	3.3
Surveys (mn km ²)	6.9	0.6
Coverage (%)	90	18
Data-Availability	Digital – Available	Hardcopy - Restricted

Untapped opportunity in India- O&G reserves and resources

~130 billion barrels - Resources in 'yet-to-establish' category

 \sim 50% of the sedimentary basins to be appraised

7 of 26 basins in production

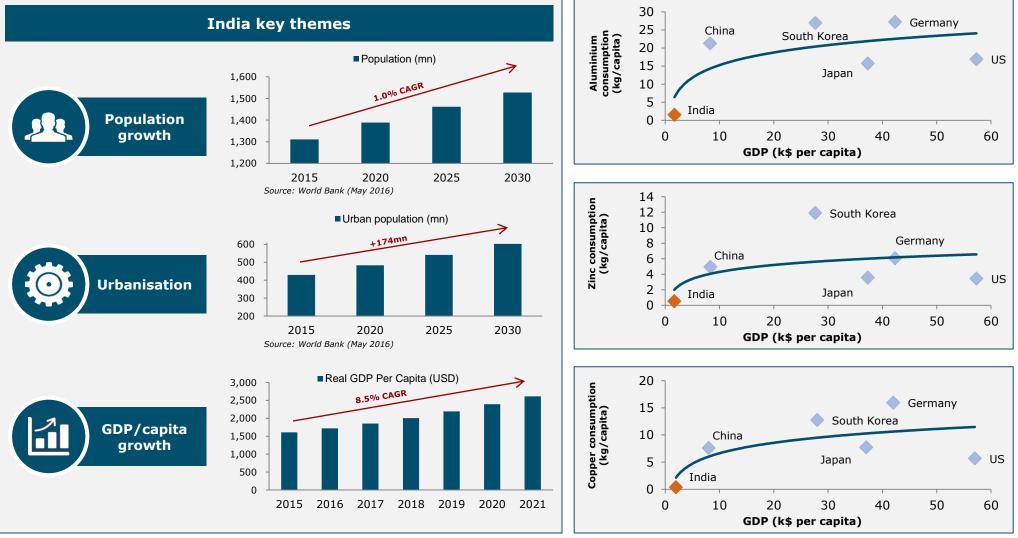
US\$7bn annual investments required through 2040 to meet O&G supplies

Source: SNL Metals Economics Group, Wood Mackenzie, GOI Ministry of Mines, BP Statistical Review June 2013, U.S. Geological Survey, Planning Commission, 12th Five Year Plan, 1Ranking based on reserves 2MoPNG presentation to Consultative Committee, December 2014, Putting India on the growth path: Unlocking the mining potential report by Mckinsey and Company, December 2014

Total

Ideally positioned to capitalize on India's growth and natural resource potential

Secular growth trends...



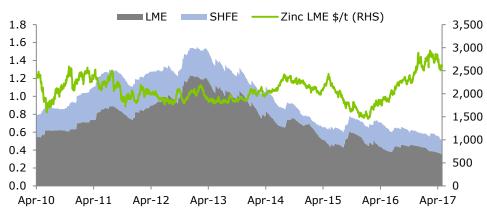
Source: International Monetary Fund; Wood Mackenzie

😻 vedanta

...to drive increasing resources demand



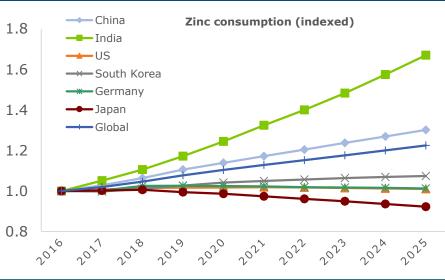
Refined Zinc inventory (mt) at 7 year lows, supporting zinc prices





India's zinc consumption expected to grow rapidly over next decade





Low TCs reflect tightness in concentrate market

VEDANTA LIMITED, Citi: India Investor Conference, June 2017

Delivering on our Strategic Priorities



Strategic Priority	What we Achieved in FY2017	Focus Areas for FY2018
Production growth	 Record production at several operations Significant ramp ups at Aluminium, Iron Ore and Power Gamsberg project on track 	 Continued production ramp up Progress towards production at Gamsberg Continue to improve business efficiencies
De-leveraging	 Strong FCF of Rs. 13,312 crore Gross debt reduced by c. Rs. 4,115¹ crore 	 Efficiently refinance upcoming maturities, lower interest costs Shareholder returns: Dividend policy announced
Simplification of group structure	 Completed merger with Cairn India 	 Realise benefits of the Vedanta Ltd – Cairn India merger
Preserve License to Operate	 Decline in fatal accidents and LTIFR Achieved water savings target c. 1.5mn beneficiaries of community initiatives 	 Implement best practices for Zero Harm, Zero Discharge, Zero Waste Continued reduction of GHG emissions and carbon footprint
Identify next generation of Resources	• Zinc India: Net addition of 14.5mt to R&R	 Leverage expertise of central mining exploration group Optimize oil exploration activities, while preserving growth options

Note: 1. Excluding HZL Temporary short term borrowing (Rs 7,908 crore) for dividend payment



Focus Area	Status
Production growth	
Disciplined Capital Allocation; Focus on FCF	
De-leveraging	
Simplification of group structure	
Preserve License to Operate	
Identify next generation of Resources	
Shareholder returns	



Appendix





	India's largest private sector oil producer
O&G Oil & Gas	 Operates c. 30% of India's total oil production
	One of the lowest cost producer in the world with cost at sub \$6/boe
ZLS Zinc – India	 India's only miner of Zinc-Lead, and the world's second largest integrated Zinc- Lead producer
	 Positioned on the 1st decile of the cost curve
	Assets in South Africa and Namibia
Zinc Intl.	• Gamsberg in South Africa is one of the world's largest undeveloped zinc deposits
	India's largest Copper producer at 0.4mn tonnes per annum
Cu Copper – India	 One of the world's most efficient custom smelters, operating consistently above 90% utilisation rate
	 Strongly positioned on the 1st quartile of the cost curve
	 Goa operation on 1st quartile of the cost curve
Fe Iron Ore	India's largest producer-exporter in the private sector
	 Largest capacity in India at 2.3mn tonnes per annum
Aluminium	 Integrated capacity with captive power, with Alumina refinery
	 9,000 MW fully operational, of which 40% is sold commercially
(Pwr) Power	 Poised to benefit from structural power shortage in India

Zinc India



FY2017 Results

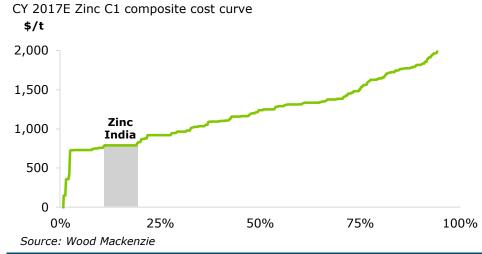
- Record production: MIC at 907kt; silver at 453 tonnes
- Integrated refined metal production at 809kt
- CoP at \$830/t; 1st quartile on global cost curve

Projects – key highlights

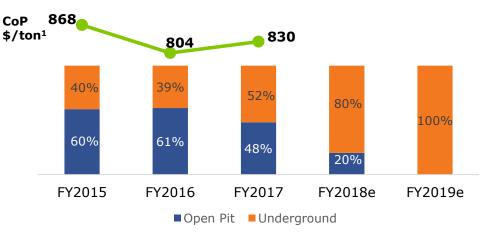
- Capacity expansion to 1.2mt by FY2020
- RAM U/G mine ramp-up progressing well
- SK mine capacity expansion to 4.5mtpa expected in FY2018, ahead of schedule
- Zawar mill expansion to 2.5mtpa expected to be completed by mid-2017

FY2018 Outlook

- Integrated zinc and lead production c. 950kt; silver >500 tons
- CoP expected to be marginally higher than FY2017 based on current levels of coal & input commodity prices
- Capex c.\$350-360mn (on-going expansion projects, fumer and smelter de-bottlenecking)



Proportion of Underground mining has increased, while CoP/ton remains fairly stable



Note 1. Total CoP/ton of refined metal

As a low cost Zinc producer, well positioned in any cycle

Zinc International



FY2017 Results

- Production at 156kt: Skorpion at 85kt; BMM at 70kt
- CoP \$1417/t, higher mainly due to lower production

250kt Gamsberg Project

- On target for first production by mid-2018
- Mining contract outsourced; 16mt of waste moved to date
- Over 75% of budgeted capex committed
- Plant and Infrastructure EPC contract placed
- CoP expected at \$1000-1,150/t

Other projects

- Skorpion pit extension: Work has commenced in April 2018; ore extraction by H2 FY2018
 - Potential to increase mine life by 3 years
- Pre-feasibility study underway to increase life of BMM mine
- Focused exploration program (\$12mn) across all the locations to exploit the high potential prospects

FY2018 Outlook

- Production expected c.160kt; CoP estimated at c.\$1500/t higher due to appreciating local currency, higher throughput and significant investment in exploration
- Total capex spend of c. \$230mn for Gamsberg project



Significant progress at Gamsberg Project

Gamsberg: A large project with lowest capital intensity



Source: Wood Mackenzie.

Note: This includes all new projects coming into production in 2017 and 2018 (base and probable cases). For Gamsberg internal estimates have been used

Cairn: Oil & Gas



FY 2017 Results

- FY2017 gross average production at 189,926boepd
 - Rajasthan production at 161,571boepd
 - Offshore production at 28,355boepd
- Mangala EOR, world's largest polymer program
 - Successful ramp up with production level of 56 kboepd in Q4
- RJ gas Q4 production of 21 mmscfd due to a technical issue between the transporter and customers which has since been resolved and gas sales normalized
- RJ FY2017 waterflood operating cost at \$ 4.3/boe, reduced by 17% y-o-y
- RJ FY 2017 blended cost including EOR at \$6.2/boe, reduced by 5% y-o-y
- Gross contribution of \$1.7bn to the exchequer during the year
- Projects
 - RDG: Completed 15 well hydro-frac campaign
 - Bhagyam EOR: Completed Injectivity test
 - Aishwariya EOR: Commenced Injectivity test



Rajasthan: Steam Turbine Generators at Mangala



Rajasthan: Mangala Processing Terminal

Cairn: Oil & Gas



Forward Plan

RDG Gas project

- Phase-1: 40-45 mmscfd by Q2 FY2018
- Phase-2: Gas production of 100mmscfd and condensate production of 5kboed by H1 CY2019; Tendering for new gas processing terminal and rig underway

Key Oil projects

- Mangala Infill: Commencing 15 well program with production expected in Q2 FY2018
- Liquid handling: Upgrading infrastructure to support incremental oil volumes
- Bhagyam EOR: Successfully completed injectivity test; Revised FDP submitted to JV
- Aishwariya EOR: Commenced polymer injectivity test in 3 wells; FDP submitted to JV
- Aishwariya Barmer Hill: 30% reduction in project capex to \$195mn for EUR of 32mmbbls

FY 2018 Outlook

- Rajasthan production expected at 165 kboepd with further potential upside from growth projects
- Net capex estimated at \$250mn
 - 90% for development including EOR, Tight oil and Tight gas projects
 - 10% for Exploration and Appraisal



Rajasthan: Raageshwari Gas Terminal

Progress on Key Projects

Capex (US\$m)	Status
440	Phase-1 to commence by Q2 FY2018, Phase-2 by H1 CY2019
40	First oil by Q2 FY2018
120	Project execution to begin in FY2018
100	Revised FDP submitted to JV
60	FDP submitted to JV
195	Phase-1 expected by Q1 2018, Phase-2 project execution to begin in FY2018
	195

Aluminium



FY 2017 Results

- Record production of Aluminium: 1,213kt and Alumina: 1,208kt
- Aluminum Q4 CoP at \$1,492/t higher q-o-q due to higher imported Alumina offset by lower power and other costs
 - Q4 Alumina CoP \$290/t vs. \$340/t for imported alumina

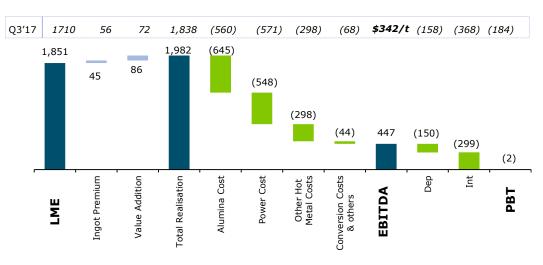
Operations

- 500kt Jharsuguda-I smelter: outage in April 2017 impacted 228 of the 608 pots; impacted pots to restart from Q2 FY18
- Ramp-up at 1.25mt Jharsuguda-II smelter:
 - 1st line: 81 pots in operations & full ramp up to complete by Q3 FY2018
 - 2nd line: Fully ramped up and capitalized in Q4 FY2017
 - 3rd line: Commenced ramp up in Dec, 139 pots operational, full ramp up by Q3 FY2018
 - 4th line: Under evaluation
- 325kt BALCO-II: Fully operational, capitalization in Q1 FY2018

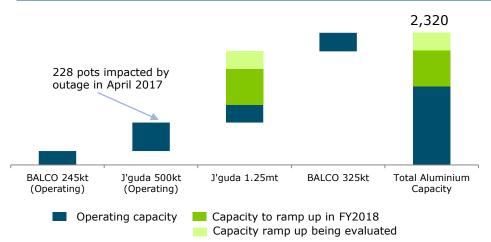
FY 2018 Outlook

- Aluminium production 1.5 to 1.6mt (excl. trial run); Alumina production 1.5 to 1.6mt
- CoP estimated at \$1475-1500/t; with Q1 likely to be higher
- Bauxite production from mines at BALCO estimated at 1.8-2mt
- Working with State Government on allocation of bauxite

Aluminium Costs and Margins (in \$/t, for Q4 FY2017)







Power

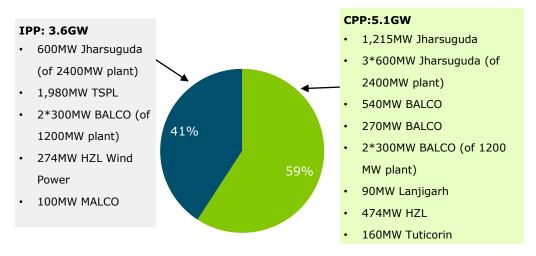
Results

- TSPL: All 3 units became operational in FY 2017: record plant availability of 85% in Q4 FY2017 and 79% in FY2017
 - Plant currently out of production due to fire at coal conveyor in April 2017
 - Rectification in progress, expect to restart plant by end-June
 - Targeting availability of 75%+ in FY2018, despite 2 months of outage
- Increased offtake under PPA's in Q4
 - BALCO 600MW IPP: 72% PLF in Q4 vs 55% in Q3
 - Jharsuguda 600MW: PLF of 78% in Q4 vs 72% in Q3
- MALCO 100MW: PLF remained low at 29% in Q4 due to lower demand

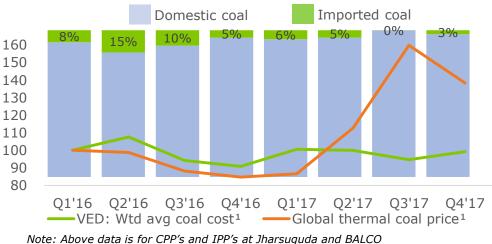
Coal outlook

- Higher production by Coal India has resulted in reduced reliance on imports
- Coal linkage of 6mtpa secured in Q2FY2017
 - Linkages commenced in November 2016 with 1.36mt coal received in Q4 FY2017





Increased availability of domestic coal has enabled lower coal costs



1. Indexed to 100, Mix is at normalized GCV



Iron Ore and Copper India



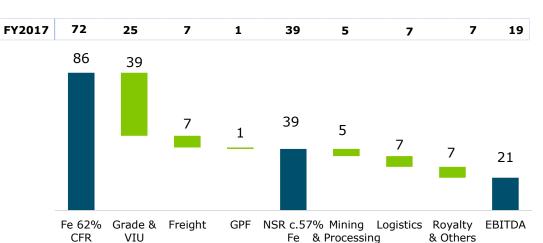
Iron Ore

- Achieved full year production cap in Goa and Karnataka
 - Produced additional allocation of 2.6mt in Goa
- Q4 Goa CoP reduced to US\$19/t
 - FY2017 CoP at US\$21/t, 38% lower y-o-y
- FY2018 production allocation: 5.5mtpa at Goa and 2.3mtpa at Karnataka
 - Goa government seeking intervention of Hon.
 Supreme Court for 30mtpa, and subsequently 37mtpa with additional infrastructure
 - Engaged with Karnataka government for additional allocation

Copper India

- Record annual cathode production of 402kt
- Net cost of conversion higher y-o-y due to lower acid prices
- Continue to be well positioned in the lowest cost quartile
- FY2018 production estimated at 400kt
 - Maintenance shutdown of c.11 days planned in Q1 of FY2018
- 400ktpa smelter expansion being evaluated

Goa iron ore costs and margin (Q4 FY2017, US\$/t)

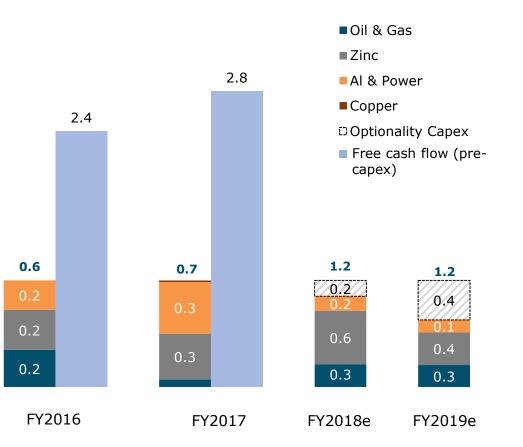




Tuticorin Smelter

Optimising Capex to drive Cash Flow Generation

- Prioritised capital to high-return, low-risk projects to maximise cash flows
- Capex spent for FY 17 at \$0.7bn against original guidance of \$1bn
- FY 2018 capex guidance at \$1.2 bn
 - \$0.4bn for Zinc India and \$0.2bn for Gamsberg
 - \$0.16bn for Aluminium and Power
 - \$0.25bn for O&G with optionality for further investment based on progress, subject to PSC extension
- Optionality capex includes capex flexibility for Lanjigarh refinery expansion and 400ktpa Copper smelter

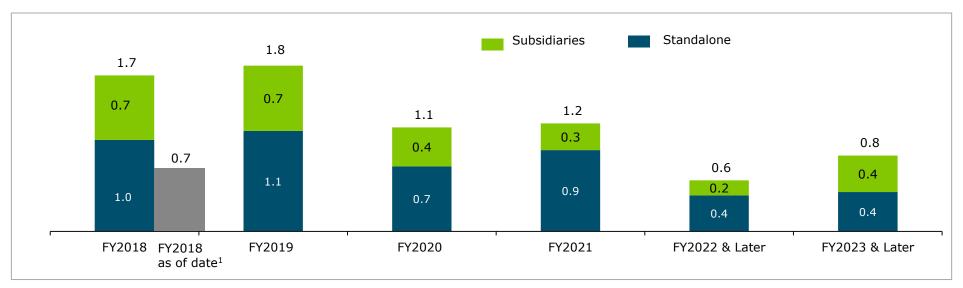


Growth Capex Profile and Free Cash Flow pre capex - \$bn





Maturity Profile of Term Debt (\$7.1bn) (as of 31st Mar 2017)



Term debt of \$7.1bn (\$4.5bn at Standalone and \$2.7bn at Subsidiaries)

Maturity profile shows term debt (excludes working capital of \$0.3bn, short term debt of \$2.3bn and short term borrowing at HZL of \$1.2bn)

¹ Term Debt excluding repayments till date

• Gross debt reduction and maturity extension

- Deleveraged c. \$1bn after 1st April 2017
- Benefitting from strong access to capital markets to extend short term debt
- **Strong credit profile:** CRISIL (subsidiary of S&P) upgraded credit rating at AA with stable outlook; BALCO upgraded two notches to AA-/Stable
- Strong liquidity: Cash and liquid investments of \$9.8bn (pro-forma \$7.5bn¹) and undrawn committed lines of \$0.9bn

Note 1: FY2017 Pro-forma excludes HZL Temporary short term borrowing of Rs. 7,908 crore; and incorporates dividends paid in April 2017 of Rs. 7,224 crore by HZL and Vedanta Limited



Segment	FY18e	Comments
Zinc India	Zinc-Lead Integrated: 950kt; Silver volume: +500 tonnes CoP (\$/t): marginally higher than FY2017	
Zinc International	Zinc-Lead volume: c.160kt CoP: c.\$1,500/t	Gamsberg expected CoP: \$1000-1,150/t
Oil & Gas	RJ Gross Volume: 165kboepd Ravva Gross volume: 16kboepd Cambay Gross volume: 10kboepd	
Aluminium	Alumina: 1.5-1.6mt Aluminium: 1.5-1.6mt (excl. trial-run) Aluminium CoP: \$1,475-1,500/t; with Q1 likely to be higher	
Power	TSPL plant availability: 75%+	Plant currently out of production and expected to recommence by end-June
Iron Ore	5.5mtpa at Goa and 2.3mtpa at Karnataka	Engaged with respective State Governments for additional allocation
Copper - India	Production: 400kt	Maintenance shutdown of c. 11 days expected in Q1 FY2018

Project Capex



Capex in Progress	Status	Capex (\$mn)	Spent up to March 2017	Spent in FY 17	Unspent as at 31 Mar 17
Cairn India - RDG, Mangala Infill, Aishwariya & Bhagyam EOR, Barmer Hill, Liquid handling etc		295	45	45	250
Aluminium Sector					
BALCO – Korba-II 325ktpa Smelter and 1200MW power plant($4x300MW$) ¹	Smelter: 168 pots capitalised and balance 168 in trial run Power – All 4 units operational	1,872	1,963	73	(91)
Jharsuguda 1.25mtpa smelter	Line 4: Fully Capitalised (316 pots operational) Line 3 :2 section capitalised	2,920	2,746	178	174
Power Sector					
Talwandi 1980MW IPP	Completed	2,150	2,113	60	37
Zinc Sector					
Zinc India (Mines Expansion)	Phase-wise by FY2020	1,600	1,015	225	585
Others		150	12	12	138
Zinc International					
Gamsberg Mining Project	First production by mid 2018	400	63	42	337
Capex Flexibility					
Metals and Mining					
Lanjigarh Refinery (Phase II) – 4mtpa	Subject to Bauxite availability	1,570	822	10	748
Tuticorin Smelter 400ktpa	Under evaluation	367	140	8	227
Skorpion Refinery Conversion	Currently deferred	156	14	3	142

Note 1. Cost overrun on account of changes in exchange rates. Total overrun expected to be \$120mn upto FY2018-19



(in Rs. crore)

	3	1 March 201	7	31 December 2016			31 March 2016		
Company	Debt	Cash & LI	Net Debt	Debt	Cash & LI	Net Debt	Debt	Cash & LI	Net Debt
Vedanta Limited Standalone (excluding Cairn India)	43,233	2,316	40,917	43,168	1,247	41,921	33,466	1,352	32,114
Zinc India	7,908	32,166	(24,258)	0	25,373	(25,373)	0	35,277	(35,277)
Zinc International	0	907	(907)	0	678	(678)	0	642	(642)
Cairn India	0	27,646	(27,646)	0	25,975	(25,975)	0	21,907	(21,907)
BALCO	4,925	63	4,862	5,513	12	5,501	5,109	12	5,097
Talwandi Sabo	8,012	191	7,821	7,824	97	7,727	7,283	40	7,243
Twin Star Mauritius Holdings Limited ¹ and Others ²	7,491	182	7,310	8,461	69	8,392	21,918	54	21,864
Vedanta Limited Consolidated	71,569	63,471	8,099	64,966	53,452	11,514	67,776	59,284	8,492

Notes: Debt numbers are at Book Value and excludes inter-company eliminations.

1. As on 31 March 2017, debt at TSMHL comprised Rs.6,808 crore of bank debt

2. Others includes MALCO Energy, CMT, VGCB, Sesa Resources, Fujairah Gold, and Vedanta Limited's investment companies.



