







# India, is it the next China?

Tom Albanese CEO - Vedanta Resources PLC

Asia Mining Congress, 27th May 2015

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## **India: A Snapshot**



## **Building growth momentum**

- Pick up in investments and lower oil prices
- Continuing reforms: Insurance, Coal and MMDR bills passed
- Lower inflation providing headroom for interest rate cuts

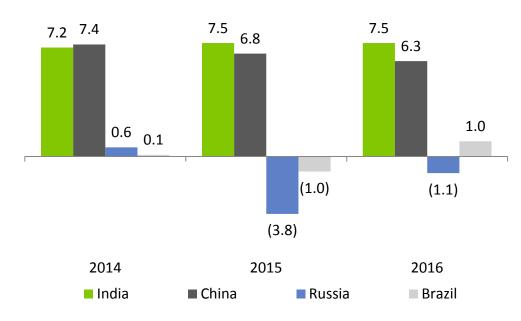
## **Government priorities and targets**

- Make in India: Import substitution and employment generation
- Housing for all by 2022: 60 million houses in urban and rural areas
- Smart cities: USD1.2 trillion investment on building urban infrastructure over next 20 years to improve quality of life
- Power for all by 2019: focus on energy efficiency, smart grids, coal and gas availability and renewable energy
- Digital India: transform India into a digitally empowered society and knowledge economy
- Construction of 30 km highway per day, development of high speed rail and waterways

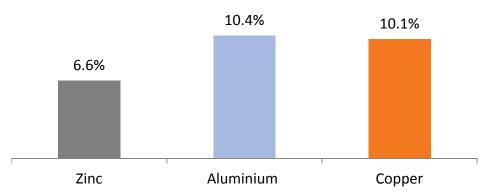
#### Notes:

- 1. IMF World Economic Outlook Database, April 2015
- 2. Includes secondary and value added consumption from all sources

### India: Fastest Growing Major Economy in 20151

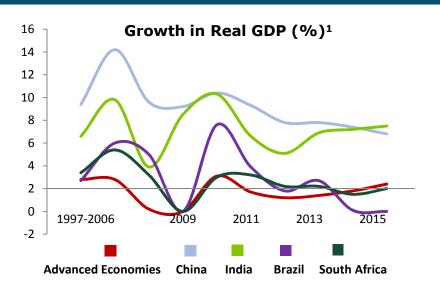


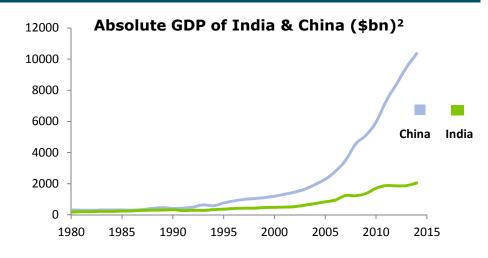
### India's Metal Consumption Growth Rate FY2015<sup>2</sup>



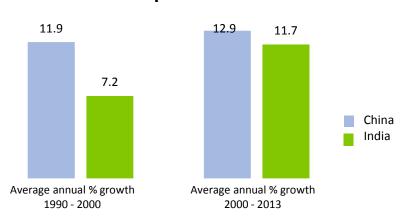
# China & India: Fastest growing economies in the world......



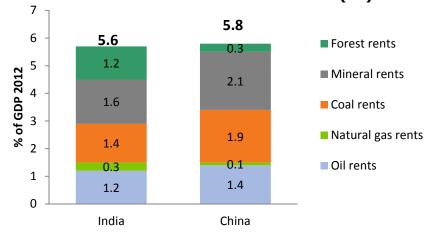




## **Gross Capital Formation<sup>3</sup>**



## Contribution of natural resources to GDP (%)4

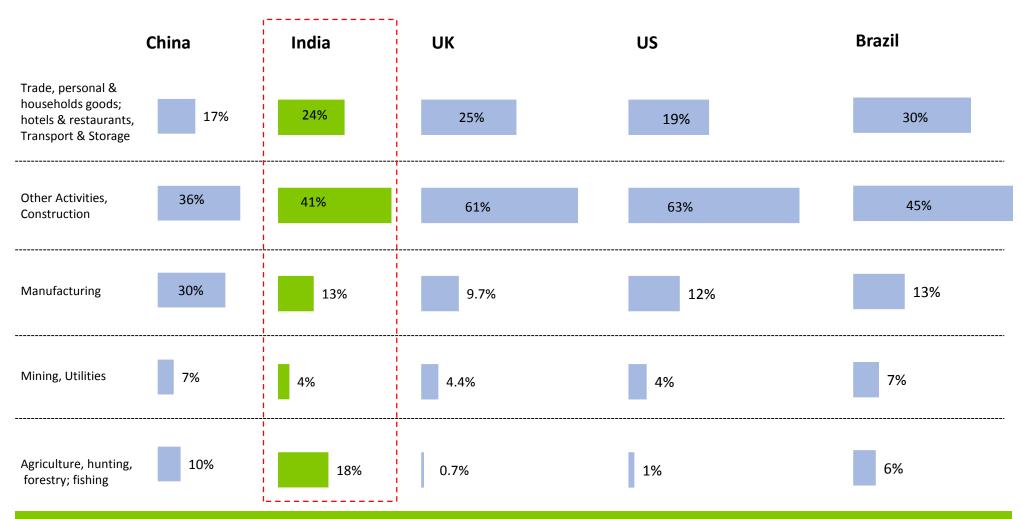


## ...... China's growth stabilizing, India warming up

<sup>1</sup>IMF, WEO April 2015, <sup>2</sup>IMF WEO October 2014 , <sup>3</sup> World Development Indicators 2014 , <sup>4</sup> http://wdi.worldbank.org, Estimates of natural resources rents are calculated as difference between price of commodity & avg Cost of producing it

# **Major Sector Contribution to Economy**





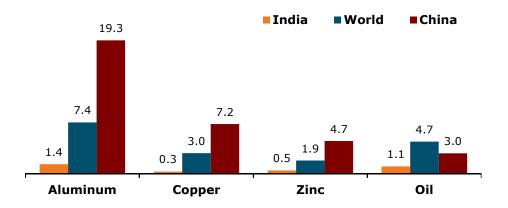
Manufacturing & Mining contribution to India's GDP remains low. "Make in India" a very important initiative to realise country's growth ambitions

Source: UN 2015, National Accounts Statistics: Analysis of Main Aggregates, 2013

# India will require a well-developed resources industry to meet its increasing demand



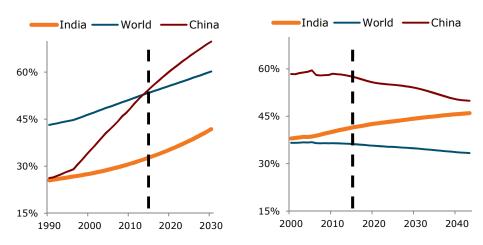
# Per Capita Consumption: Significant growth to catch up with China (Metals - CY 2014 per capita consumption in kg; Oil - CY2013 per capita consumption in barrels)



#### **Urbanization increasing**

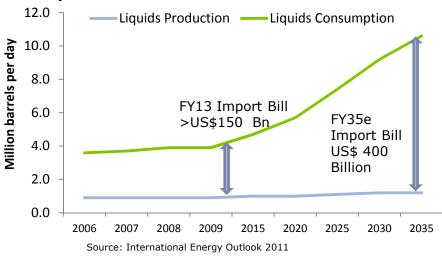
## **Increasing Labour Force**

(% of Total Population)



Sources: Wood Mackenzie, BP Statistical Report, Global Insight

# India's Growing Oil Demand with High Import Dependence



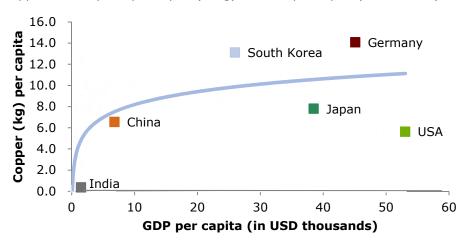


# **India: Non-Linear Commodity Demand Growth**



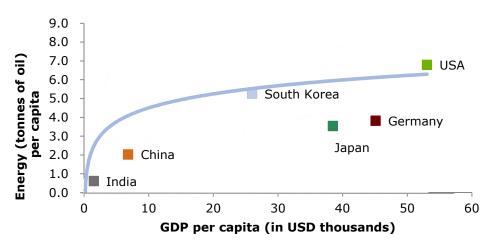
#### **Copper Consumption Intensity**

Copper consumption per capita (in kg) vs. GDP per capita (in '000 USD)



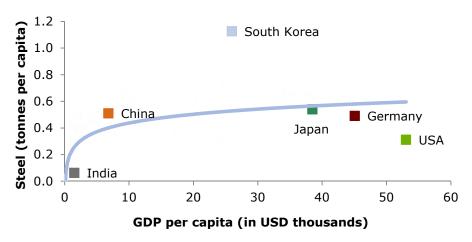
#### **Oil Consumption Intensity**

Oil consumption per capita (in tonnes) vs. GDP per capita (in '000 USD)



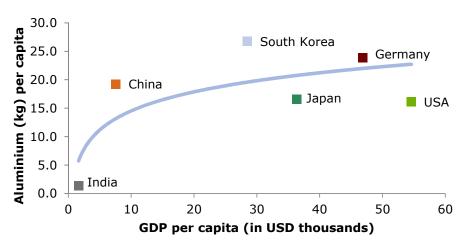
#### **Steel Consumption Intensity**

Steel consumption per capita (in tonnes) vs. GDP per capita (in '000 USD)



### **Aluminium Consumption Intensity**

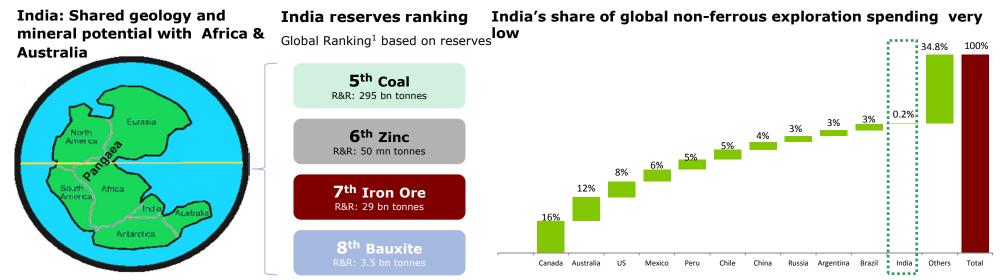
Aluminium consumption per capita (in kg) vs. GDP per capita (in '000 USD)



Source: World Development Indicators, World Steel Yearbook, International Copper Study Group, Wood Mackenzie, Vedanta

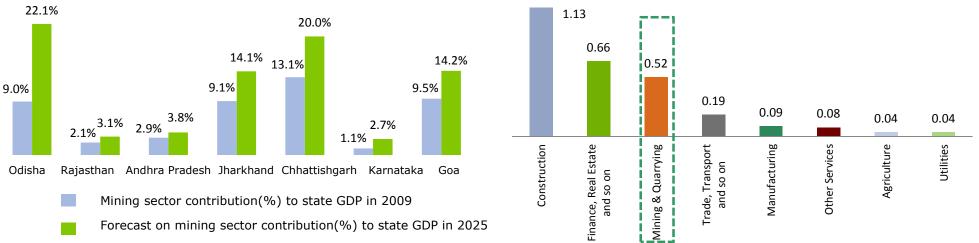
# **India's Unexplored Mining Potential**





Opportunities in Mineral Rich States: Forecast on Mining Sector Contribution (%) to State GDP<sup>2</sup>

India's mining employment elasticity higher than most other sectors



Source: SNL Metals Economics Group, Wood Mackenzie, GOI Ministry of Mines, BP Statistical Review June 2013, U.S. Geological Survey, Planning Commission, 12<sup>th</sup> Five Year Plan, <sup>1</sup>Ranking based on reserves , <sup>2</sup> Unlocking the Potential of the Indian Minerals Sector, Ministry of Mines , GOI (Nov 2011)

# **Vedanta: A Global Diversified Natural Resources Company**



- LSE listed with portfolio of large, long-life, wellinvested assets
- Operations across India, Africa, Australia and Europe
- FY2015 EBITDA of \$3.7 billion
- Strong cost position
  - Oil & Gas and Zinc in lowest quartile
  - Aluminium in lower half, without raw material linkage
- Focus on disciplined capital allocation and balance sheet management

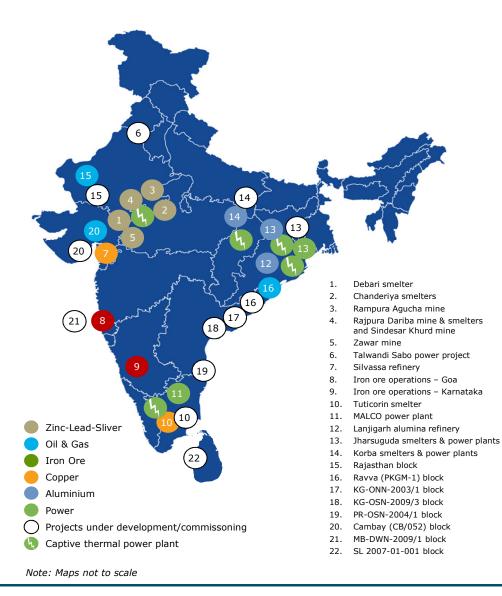
Positioning	R&R Life¹	FY2015 Production	Capacity <sup>2</sup>
Oil & Gas (Cairn India) Top 20 global independent E&P Platts 2013: Fastest growing energy company globally	15	212kboep d	225+ <sup>3</sup> kboepd
<b>Zinc India</b> (HZL) 2 <sup>nd</sup> largest integrated zinc producer globally	25+	887kt	1.2mtpa
<b>Silver</b> (HZL) One of the largest silver producers globally	25+	10.5moz	16mozpa
<b>Zinc International</b> One of the largest undeveloped zinc deposits	20+	312kt	400ktpa
Iron Ore <sup>4</sup> Operations in Goa and Karnataka; Large deposit in Liberia	20+	0.6mt <sup>5</sup>	16.8mtpa
Copper Zambia World class resource	25+	117kt <sup>6</sup>	400ktpa <sup>7</sup>
Aluminium Strategically located large-scale assets with integrated power		877kt	2.3mtpa

#### Notes

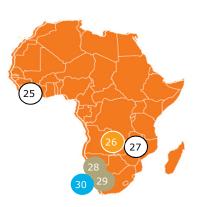
- 1. Based on FY2015 production and R&R as at 31 March 2015; Iron ore is based on existing capacity; Zinc International includes Gamsberg deposit in R&R
- Includes announced expansions; Iron ore shown at last operating capacity of 14.5mt in Goa and 2.3mt provisional capacity in Karnataka. Recent SC judgement has imposed an interim state-wide cap of 20 mtpa at Goa.
- 3. Expected capacity for currently producing assets
- 4. Numbers excluding Liberia
- 5. Iron Ore operations affected by mining restrictions in Karnataka and Goa
- 6. Integrated Production
- 7. Shaft capacity, subject to review

# **Vedanta's Geographical Overview**



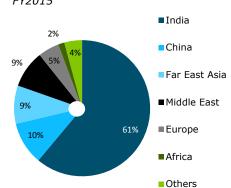






- Iron Ore project, Liberia
- 26. 27. Konkola and Nchanga copper mines & Nchanga smelter, Zambia
- Skorpion mine, Namibia
- 29. Black Mountain mine, South Africa
- South Africa Block 1

#### **Revenues by Geography** FY2015



## Vedanta - Making a Positive Contribution<sup>1</sup>

Social Investment: \$42 mn

**Payment to Government** 

Exchequers: \$ 4.6 bn1 **Direct & Indirect Employment:** 

Contribution to India's Oil **Production: 27%** 

<sup>1</sup>FY2015

82,000

## **Sustainability: Key to our business**



## **Safety**

- Fatal accidents and injury rates have declined
- Implementing programs to eliminate fatalities and control injuries:
  - Leadership focused on a Zero-Harm culture across the organization
  - Consistent application of 'Life-Saving' performance standards

## **Sustainable Development**

- Implementing sustainability controls through Vedanta Sustainability Framework aligned to IFC, ICMM & OECD standards
- Working and partnering with think tanks & institutional bodies – WBCSD, CII, IUCN etc.
- Focused drive on non hazardous waste utilisation
   c.50% of non hazardous waste recycled for industrial use

## **Community Development**

- Benefitting over 4 million people through community development programmes
- Industry leading CSR efforts
- Focus on Swachh Bharat (Clean India) Campaign and Rural livelihoods
- Focus on local consent prior to accessing resources

#### **HZL- Wind Farms (Renewable Energy)**

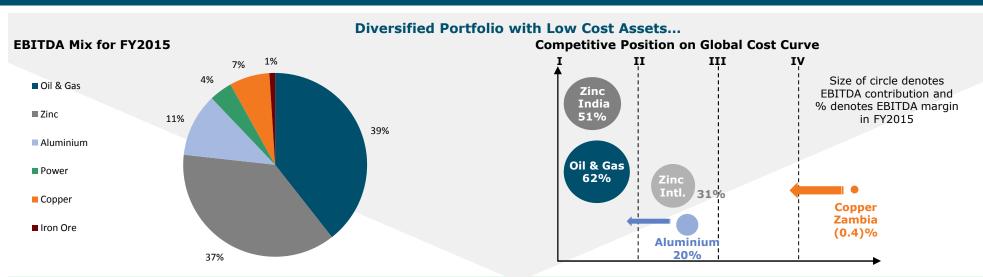


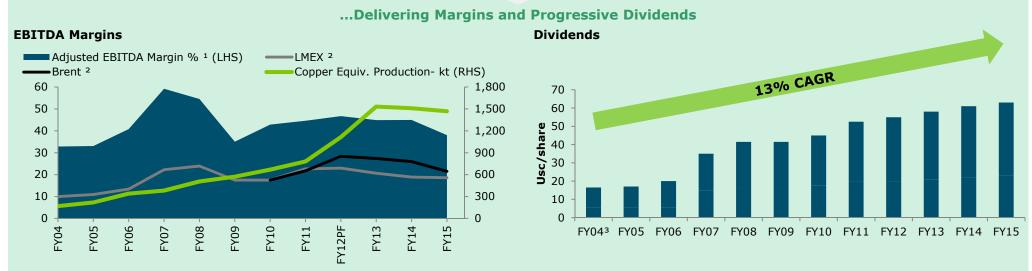
**KCM - Child Care and Early education programme** targets pre-school level education and child development



# **Resilient Portfolio in Volatile Commodity Environment**







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

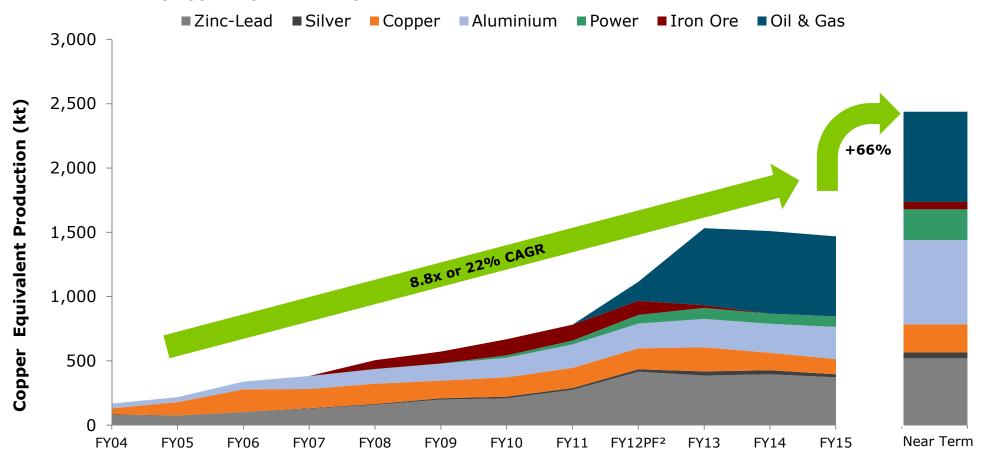
2. LMEX and Brent rebased

3. In FY2004, a single dividend of 5.5 USc per share was paid, for the four months since listing, equivalent to an annual payment of 16.5 USc per Share

# **Well-Invested Assets Driving Production Growth**



## **Total Production (copper equivalent kt)**



#### Notes:

<sup>1.</sup> All commodity and power capacities rebased to copper equivalent capacity (defined as production x commodity price / copper price) using average commodity prices for FY2015. Power rebased using FY2015 realisations, copper custom smelting capacities rebased at TC/RC for FY2015, iron ore volumes refers to sales with prices rebased at average 56/58% FOB prices for FY2015

<sup>2.</sup> PF refers to proforma for Cairn India acquisition

# **Strategic Priorities**





**Production Growth and Asset optimisation**Operating at full capacity



**Strengthening the Balance Sheet**Reduce Gearing; maximise free cash flows



**Simplification of the Group structure** 



**Protect and preserve our License to Operate** 



**Identify next generation of Resources**Continue to add R&R

Well positioned for growing Indian economy





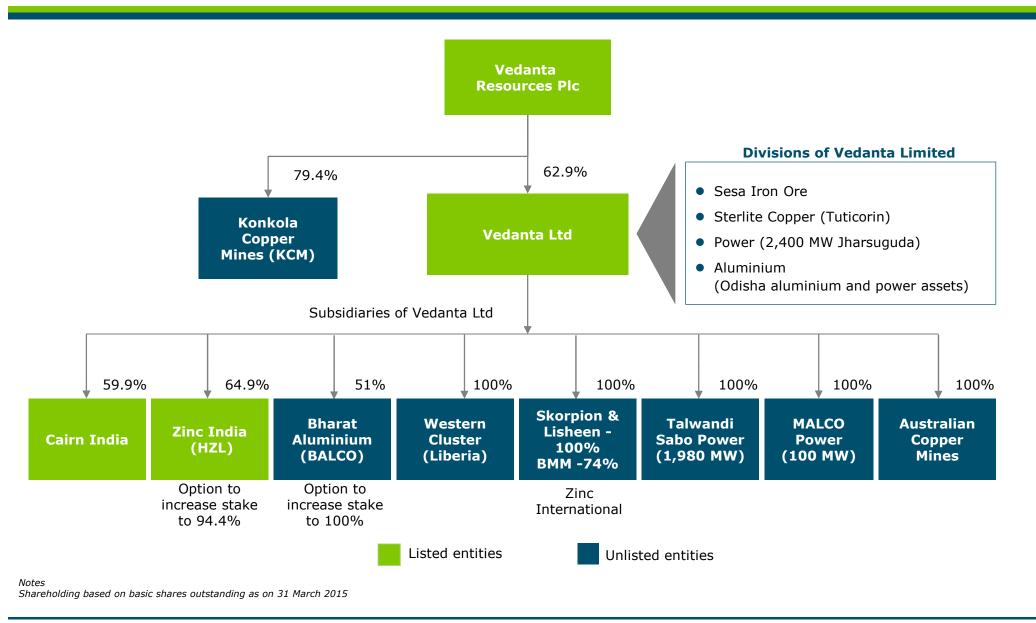




Q&A

## **Group Structure**





Asia Mining Congress - May 2015