



# Corporate Presentation Hindustan Zinc

June 2016





**1st** Rampura Agucha Largest zinc mine globally

**2nd** Largest zinc-lead miner globally with: **9 million+ MT** of ore production capacity

**4th** Largest zinc-lead smelter globally: **1 million+ MT** of production capacity

*(Rankings calculated from Wood Mackenzie, Q1 2016 Long Term Outlook)*

A **Journey** towards **Excellence** - **15 million T** Ore Production Capacity;  
& **1.2 million T** MIC production capacity from **Underground Mines**

# Vision, Mission & Values



*We want our employees to be ambassadors of our core values*



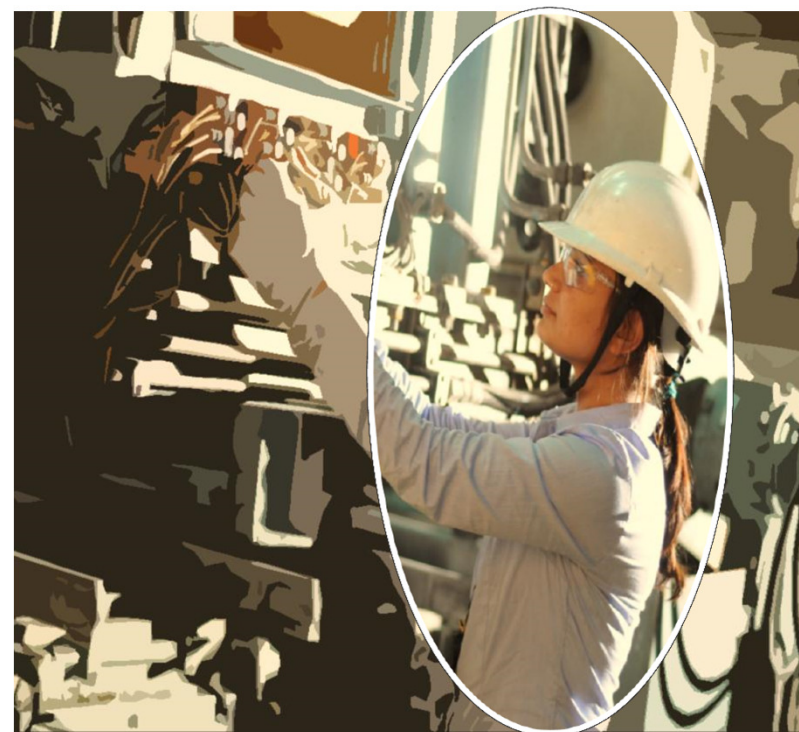
## VISION

To be the world's largest and most admired zinc-lead and silver company



## MISSION

- Enhance stakeholder value through exploration, innovation, operational excellence and sustainability
- Be the lowest cost producer
- Maintain market leadership & enhance customer delight



## VALUES

- |                    |              |
|--------------------|--------------|
| ➤ Entrepreneurship | ➤ Trust      |
| ➤ Care             | ➤ Innovation |
| ➤ Excellence       | ➤ Integrity  |
| ➤ Respect          |              |



## Safety

### Zero harm to people, host communities and environment

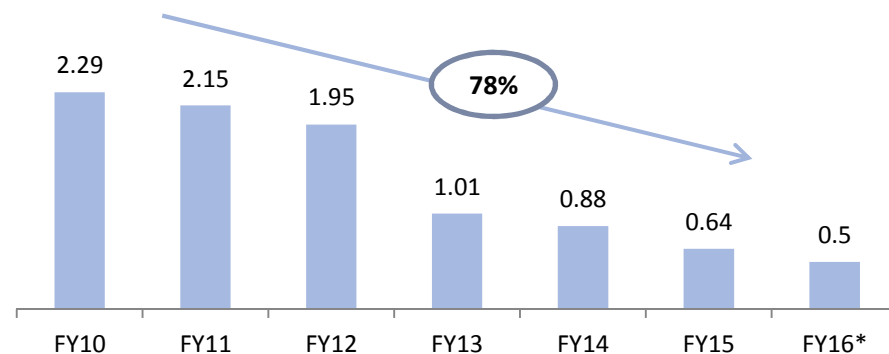
- Safety cultural transformation journey from reactive to interdependent; engagement with "Dupont"
- Integrated safety organisation structure
- Promoting behaviour based safety
- Focus on hazard identification & near misses

## Sustainability Initiatives

- Zero water discharge
- Adiabatic cooling towers
- Sewage treatment plant as sustainable water source
- Green energy of 309MW
- Bio-diversity conservation

## LTIFR

(per million man-hours worked)



\*As per new ICMM Guidelines

## Year Highlights

**0.50**

Lost time injury frequency rate

**100%**

Periodic medical examinations for all applicable employees

**2,83,071**

Safety training hours delivered to employees and contractors

**100%**

Assurance of all sites by our internal audit programme (VSAP)

**Rs. 42 Crore**

Invested in environment initiatives

**0**

category 4 or 5 environmental incidents

**100%**

units have Biodiversity Management Plans in place

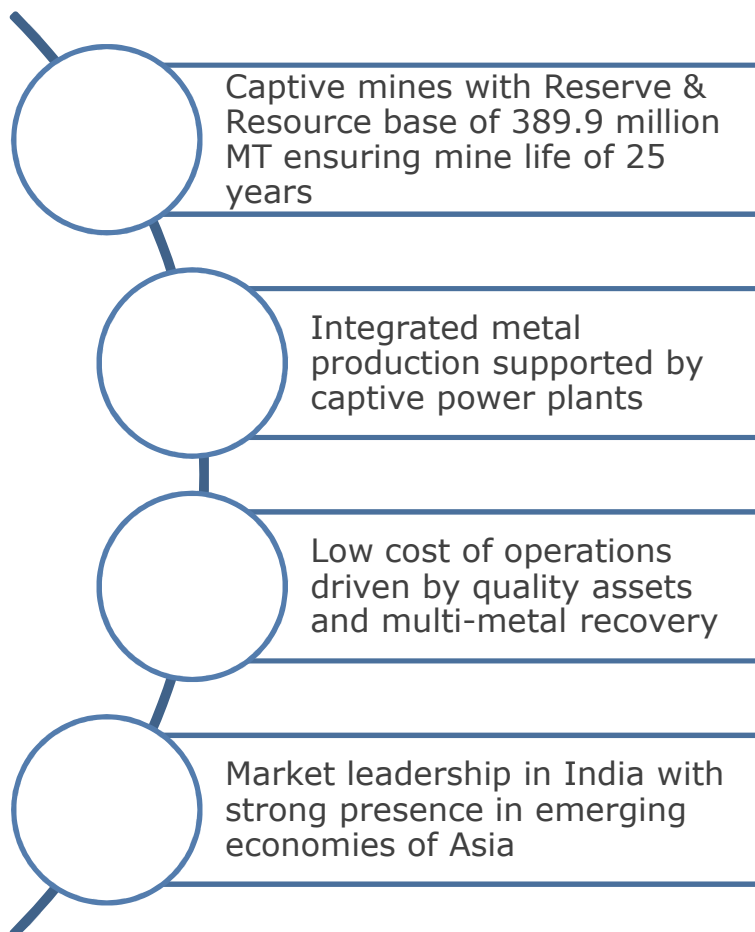
**100%**

non-hazardous waste recycling

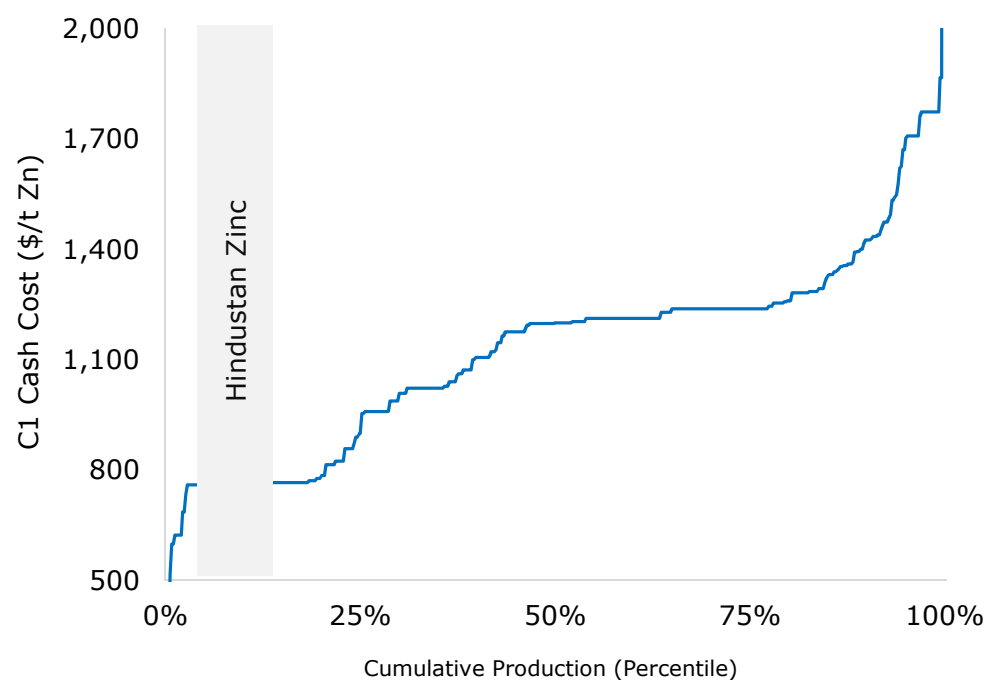
# Core Strengths



## Leading the way with fully integrated operations



## Among the lowest cost producers of zinc



Source: Wood Mackenzie Research



# Portfolio of Tier - 1 Assets



## Rampura Agucha Mine

Reserve : 51.1mt  
Resource : 52.7mt  
Reserve Grade : Zn 14.0%, Pb 1.8%  
Current Ore Capacity : 6.15 mtpa

## Kayad Mine

Reserve : 3.9mt  
Resource : 2.0mt  
Reserve Grade : Zn 13.4%, Pb 1.8%  
Current Ore Capacity : 1.00 mtpa

## Sindesar Khurd Mine

Reserve : 33.2mt  
Resource : 76.3mt  
Reserve Grade : Zn 4.7%, Pb 3.2%  
Current Ore Capacity : 3.00 mtpa

## Rajpura Dariba Mine

Reserve : 9.3mt  
Resource : 49.4mt  
Reserve Grade : Zn 6.3%, Pb 1.6%  
Current Ore Capacity : 0.90 mtpa

## Zawar Mining Complex

Reserve : 9.5mt  
Resource : 82.3mt  
Reserve Grade : Zn 3.4%, Pb 1.7%  
Current Ore Capacity : 1.20 mtpa  
CPP : 80MW

## Chanderiya Smelting Complex

Pyrometallurgical Lead Zinc Smelter:  
105,000 tpa Zinc and 85,000 tpa Lead  
Hydrometallurgical Zinc Smelter: 420,000 tpa Zinc  
Captive Power Plant: 234MW

## Dariba Smelting Complex

Hydrometallurgical Zinc Smelter:  
210,000 tpa Zinc  
Lead Smelter: 100,000 tpa Lead  
Captive Power Plant: 160MW

## Zinc Smelter Debari

Hydrometallurgical Zinc  
Smelter: 88,000 tpa Zinc

## Pantnagar & Haridwar

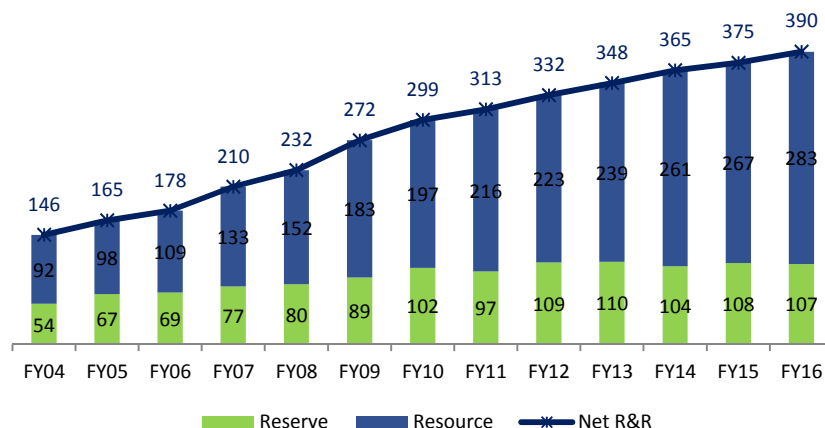
Processing & Refining of Zinc,  
Lead & Silver

▲ **Wind Power** Generation Capacity of  
274 MW

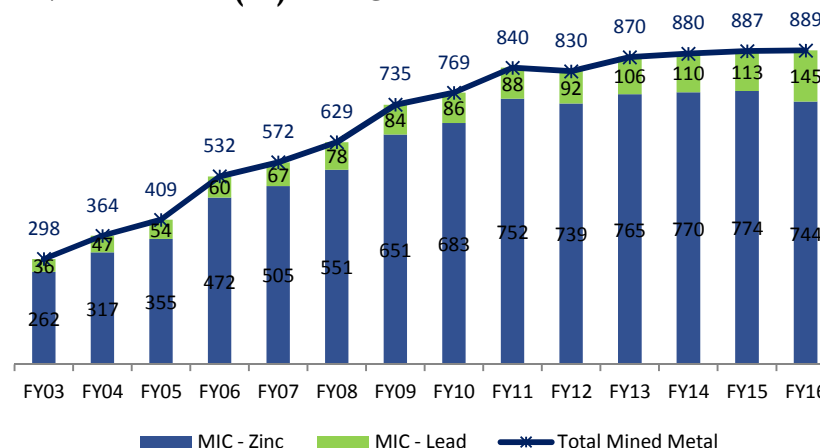
# Strong Track Record of Growth



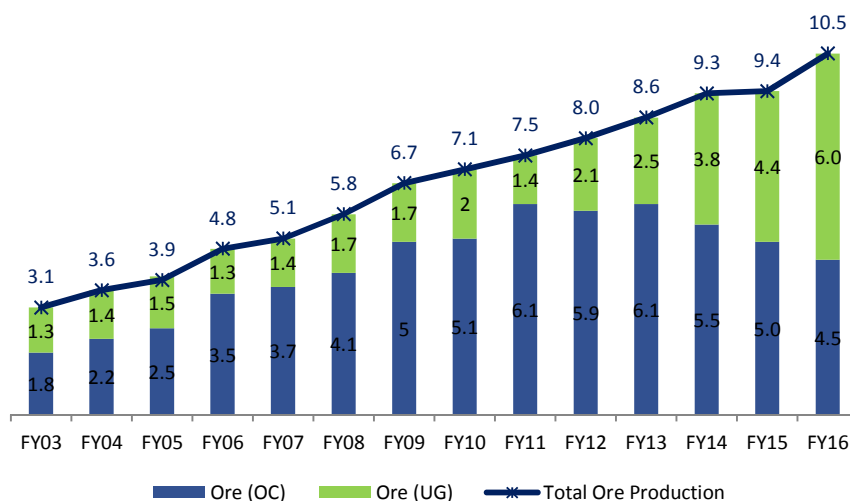
## Reserve & Resource (mt) - 2.5X Growth



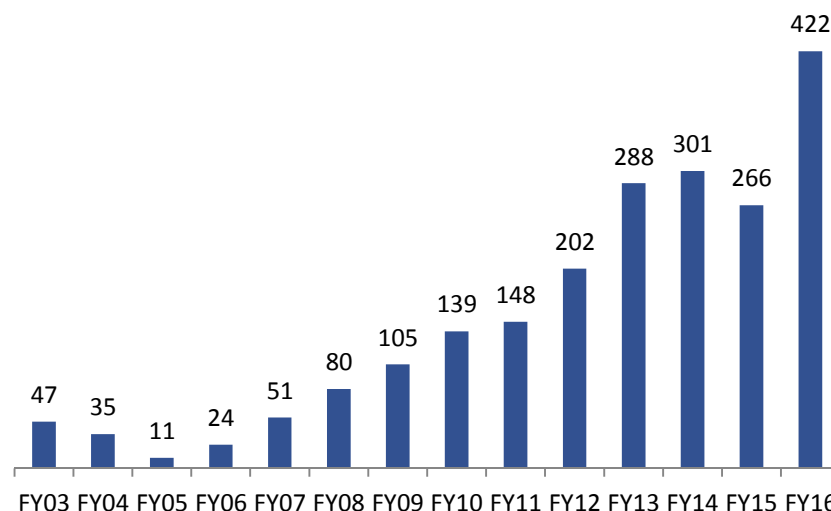
## Mined metal (kt) - 3X Growth



## Ore Production(mt) - 3X Growth



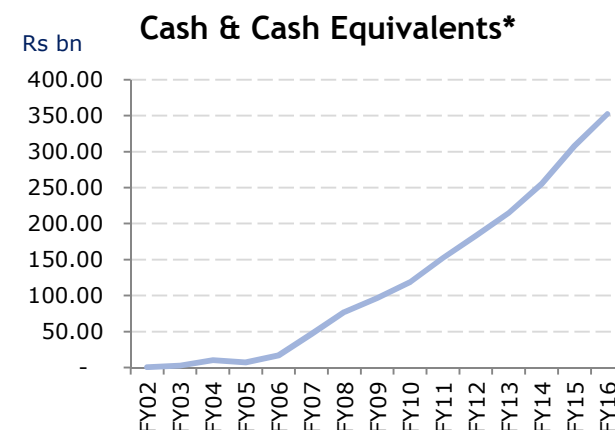
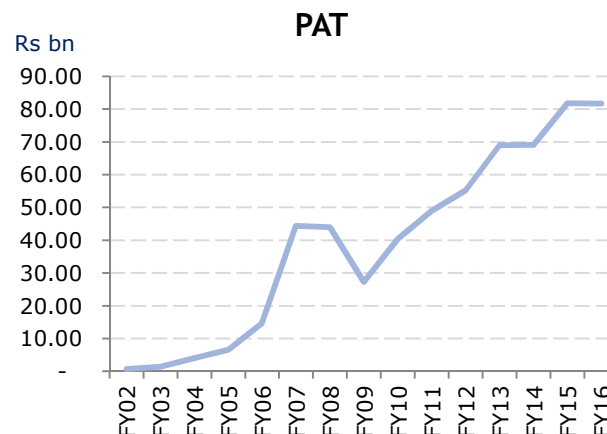
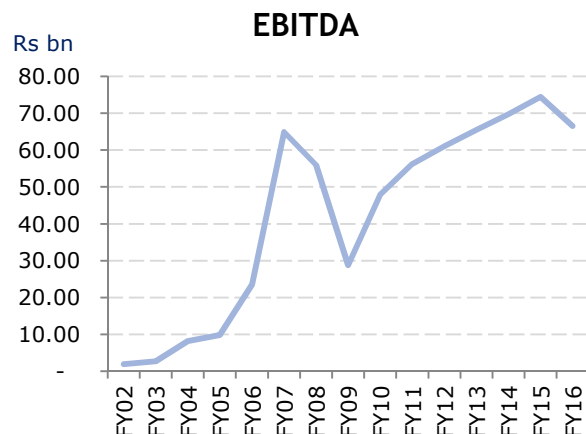
## Silver Metal - Integrated Saleable (MT) - 9X Growth



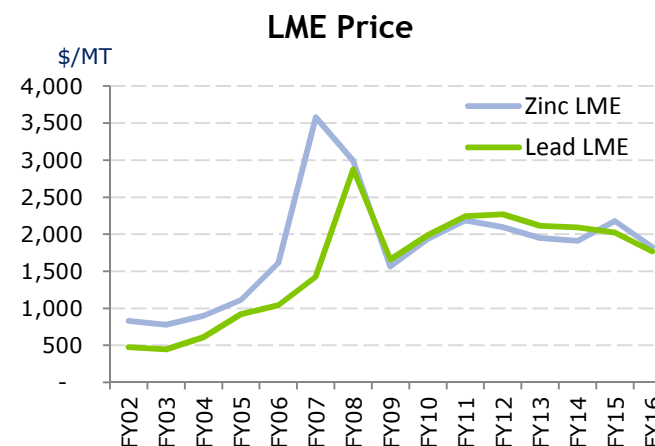
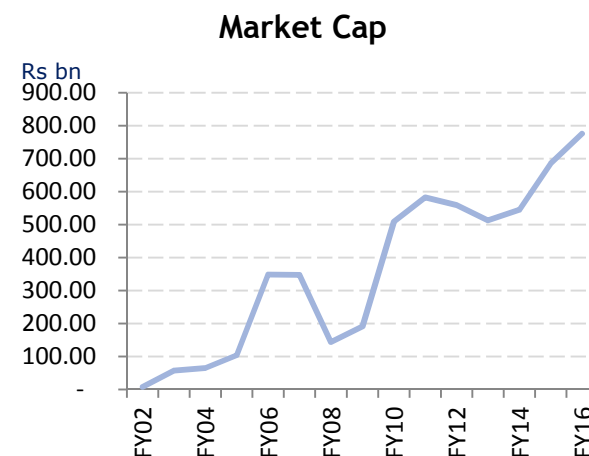
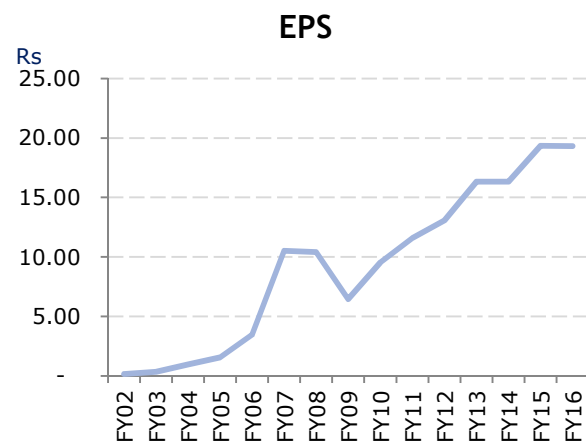
# Robust Financial Performance



**EBITDA CAGR 26% despite Zinc LME growth of only 9%**



\*Before Project Capex



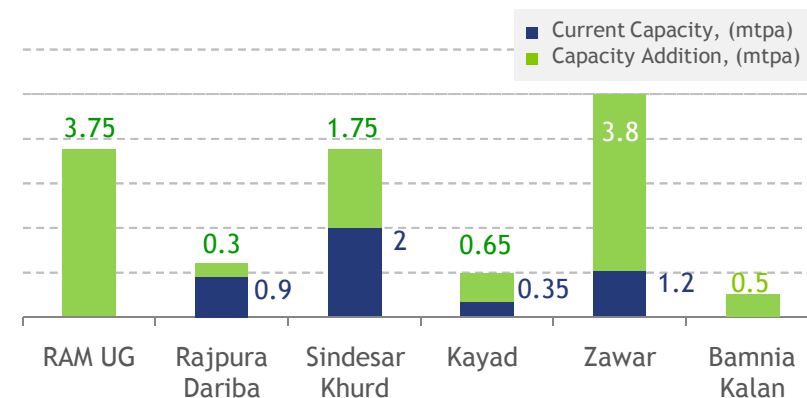


# Way Forward

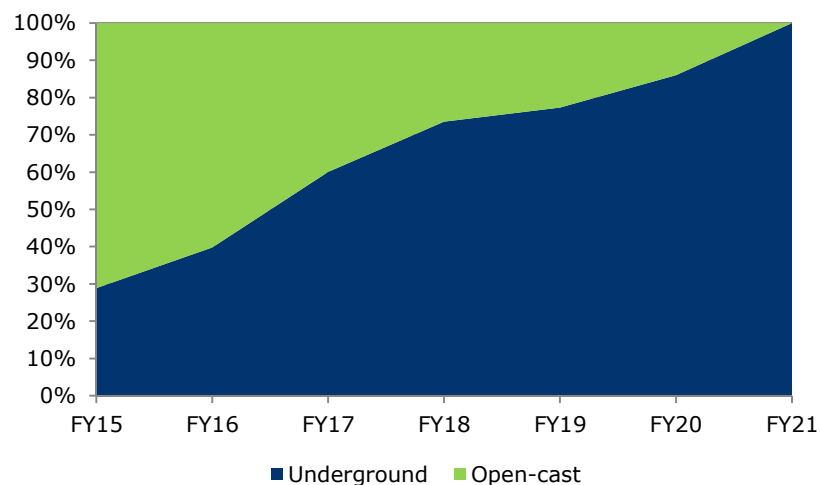


- Resource driven growth
- Six major projects to increase mined metal capacity by 20% to 1.2 mtpa, including replacement from RAM OC
- Total capex of \$1.5 billion, out of which ~\$0.6 bn is spent
- Expansion of mines in sync with increasing R&R
- Extension of RAM OC mine life to FY20 to smoothen transition to UG

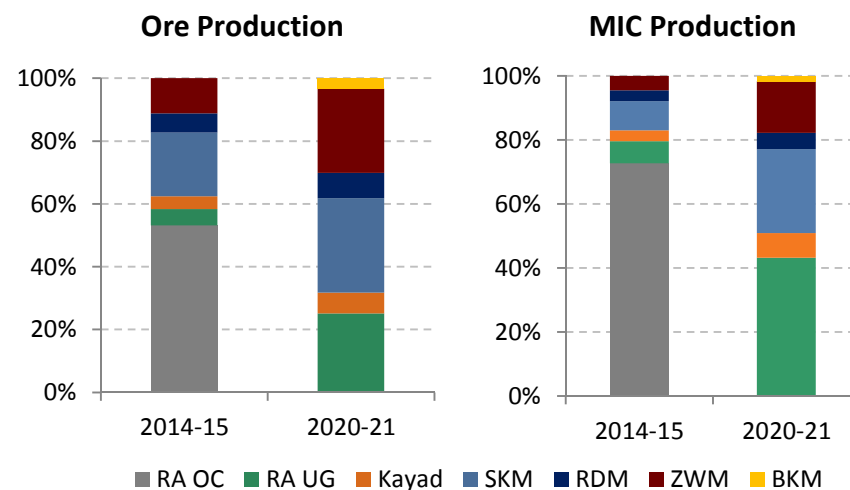
## Journey ahead - Projects



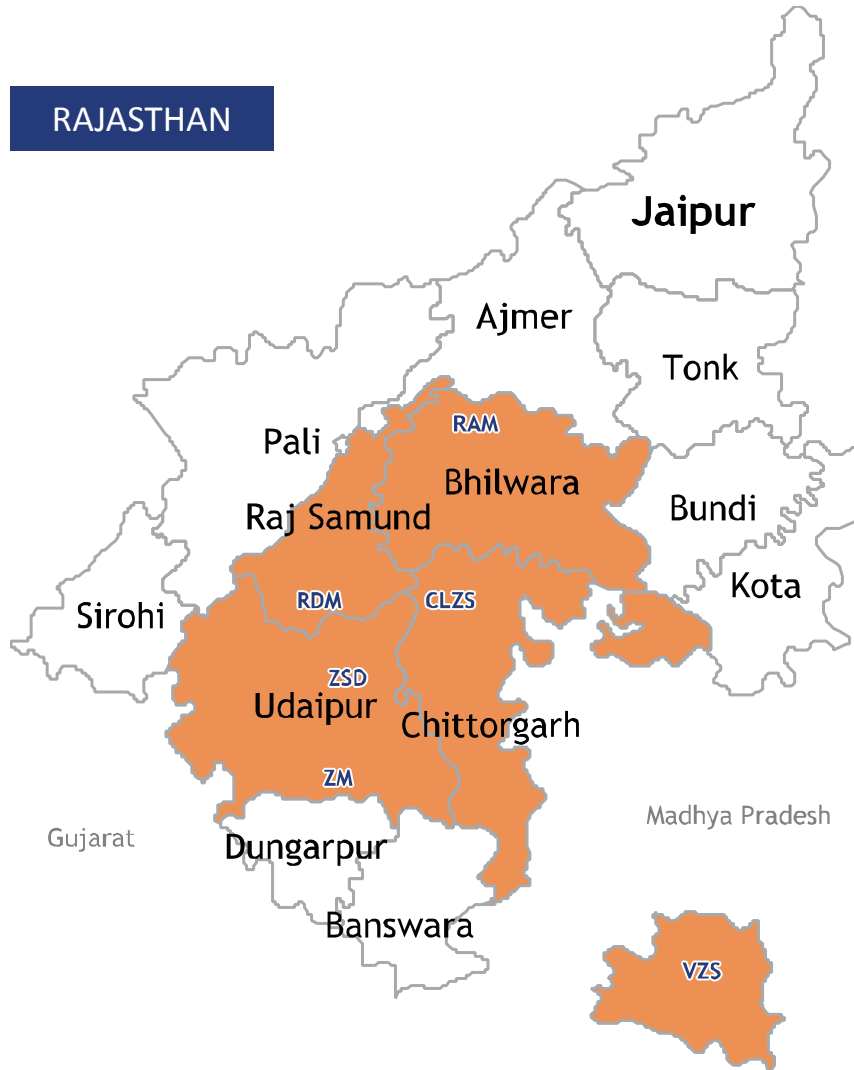
## Transition to underground mining (% share in MIC)



## Future mine production profile



## RAJASTHAN



## Fostering Self-Reliance through Community Development

- Reaching to more than half a million people in Rajasthan
- Positively impacting lives of more than 100,000 households in 358 Villages in Rajasthan
- Members of United Nations Global Compact (UNGC), TERI-BCSD (Business Council for Sustainable Development) and National Population Stabilization Fund

# CSR Initiatives



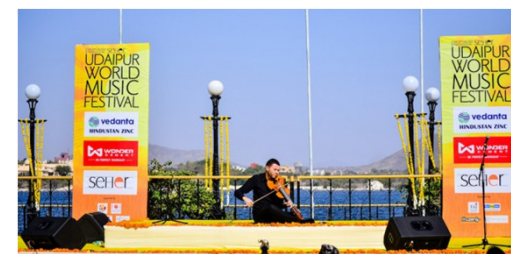
## Education

- Model School Development
- Vedanta Post Graduate college for girls
- Vedanta Computer Literacy Program



## Health, Water & Sanitation

- Vedanta- Hindustan Zinc Heart Hospital, Udaipur
- Rural Safe Drinking Water Project
- Rural Sanitation Program



## Sports & Culture

- Sports Tournaments at district, block and village level
- Cultural events



## Sustainable Livelihood (Farm & Non-farm)

- Improved Agriculture Program
- Livestock Development Program
- Vocational Trainings



## Women Empowerment

- SHG Development Program
- Capacity Building Interventions
- Income Generation Programs



## Environment Conservation

- Mega Plantation Drive
- Water Conservation Drive
- Sewage Treatment Plant at Udaipur

# THANK YOU!

