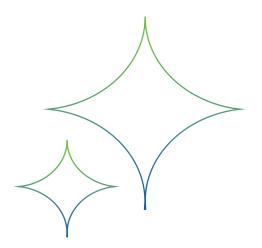


## **Corporate Presentation**

**VEDANTA RESOURCES LIMITED** 

SEPTEMBER 2023



## TRANSFORMING TOGETHER

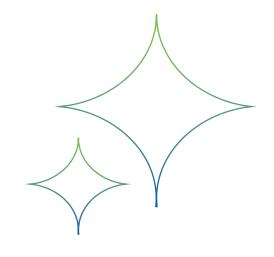
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## **Operational Highlights**



## Recent business highlights & strategic initiatives

## On track to deliver volume growth across businesses, reduce costs and improve margins, while being committed to decarbonization

# Zinc

#### **Cost Initiatives**

- Improvement in ore recovery, higher volume and grades, improvement in coal mix and mining automation
  - Resulting in ~USD100/t cost reduction in the last 2 quarters for HZL<sup>(1)</sup>

### **Strategic Initiatives**

- Rajpura Dariba Mill revamp
- HZL forayed into Fertilizer business by setting up a 0.5 MTPA fertilizer plant in Jan'23
- Additional 200KTPA Metal In Concentrate ("MIC") capacity at Zinc International

#### **Aluminum**



#### **Cost Initiatives**

- Backward integration by expanding alumina capacity from 2 to 5 MTPA
- Captive coal mix improvement to 100% from 15% at present.
   Projects under pipeline to add 34MTPA to existing captive coal capacity

### **Strategic Initiatives**

- Aluminum capacity expansion from 2.3 MTPA to 3 MTPA
  - BALCO<sup>(2)</sup> capacity to increase to 1MTPA<sup>(3)</sup>
- VAP<sup>(4)</sup> revenue contribution expansion from 60% to 90%

#### Steel



#### **Cost Initiatives**

- Debottlenecking activities in blast furnace resulting in increase in hot metal production by 22% at ESL<sup>(5)</sup>
- Coke oven commissioning in FY24
- Expansion of hot metal capacity from 1.5 to 3.0 MTPA

#### **Strategic Initiatives**

 Review of steel and steel raw materials business possibly to sell some of the businesses for additional liquidity

#### **Financial Updates**



- VRL has sold c. 6% stake in VEDL across Mar'23 to Aug'23
- Overall, VRL's<sup>(6)</sup> debt position has come down from more than USD 9bn in Mar'22 to less than USD 6bn<sup>(7)</sup> as of June 2023
- Final approvals for conversion of USD 1.3bn of general reserves at HZL to distributable reserves are under progress
- KCM<sup>(8)</sup> copper mine was returned to Vedanta by Zambian government post their dispute resolution in Sep'23

## **ESG Updates**

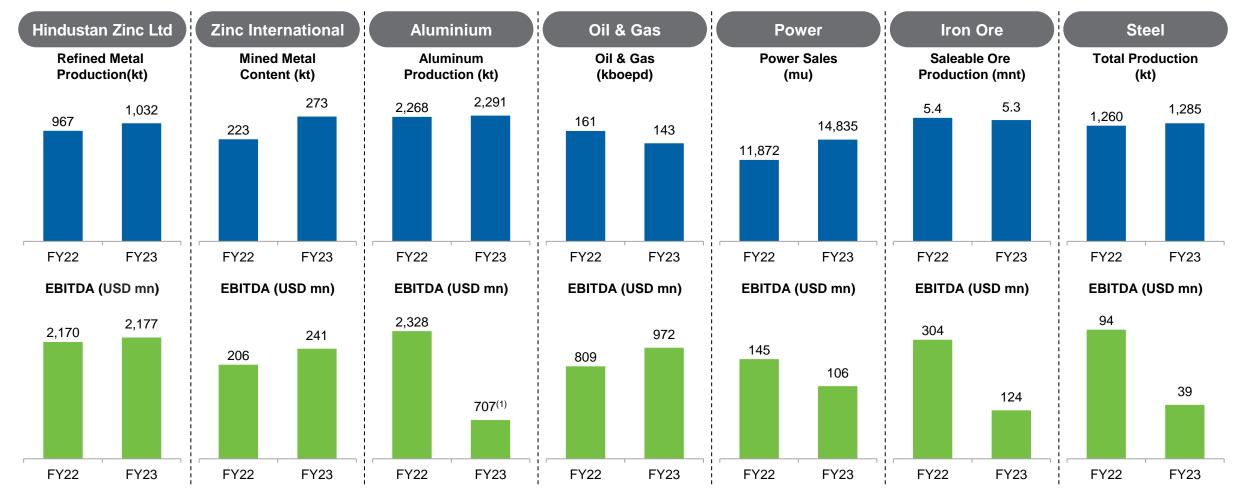


- 80 projects in planning or implementation stage to reduce GHG<sup>(9)</sup> emissions
- Signed 838 MW Round-the-Clock RE power delivery agreement across the group, moving closer to our target RE capacity of 2.5 GW
- 5% biomass co-firing in powerplants
- Green copper certification & branding
- Scaling up recycled copper production
- Switch to EVs<sup>(10)</sup> across BUs<sup>(11)</sup>
- Plantation of 1mn trees

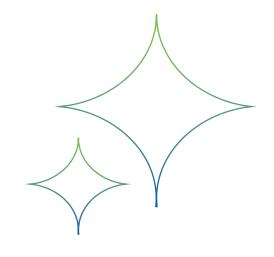


## **Comparison of recent performance**

## While earnings have generally declined due to sluggish commodity prices in FY23, production continues to remain robust





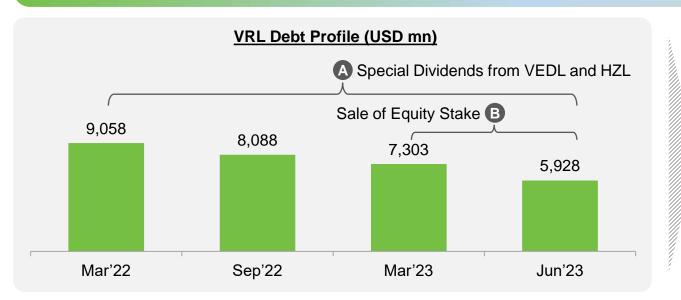


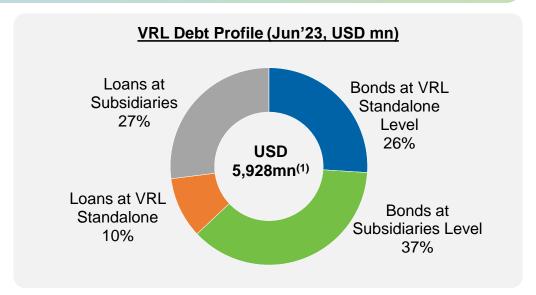
## **VRL Debt Position**



## Several actions have been taken to meet VRL maturities (1/2)

## VRL has undertaken several actions to meet maturities and de-lever its balance sheet by c. USD 3bn from Mar'22 to Jun'23





## A

### VRL received a total dividend of c. USD 2.5bn in FY23

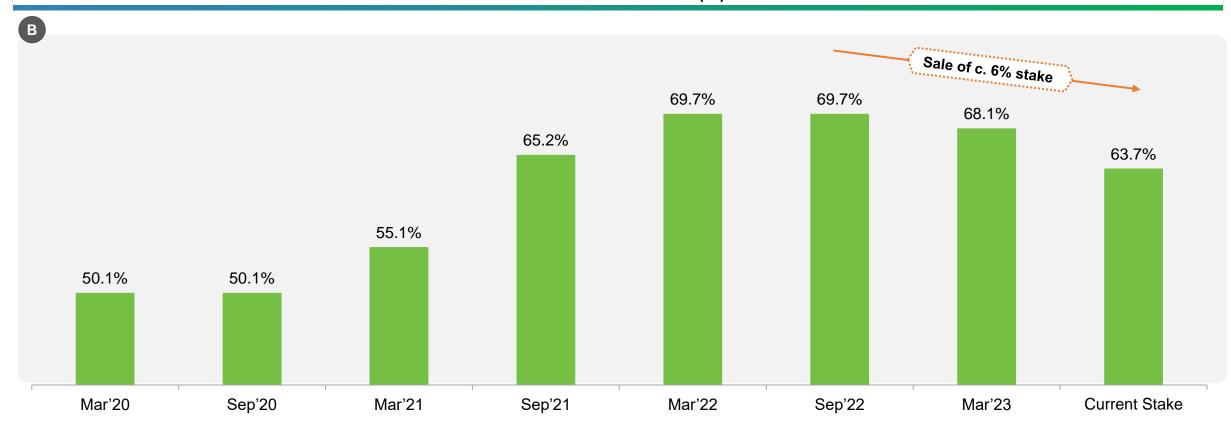
- HZL paid out a total dividend of c. USD 4.0bn in FY23
- VEDL standalone paid out a total dividend of c. USD 1.2bn in FY23



## Several actions have been taken to meet VRL maturities (2/2)

## Post increasing its stake in VEDL by 19.6% from FY20-22, VRL diluted its stake in VEDL in FY24

## VRL's Stake in VEDL (%)



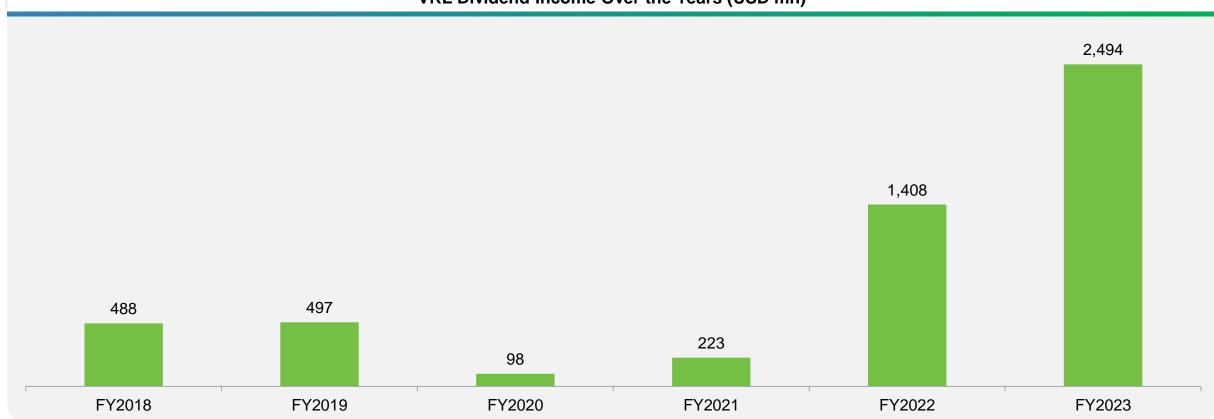


## Sources of sustainable VRL cashflows



## Dividend earnings of >USD 5bn over the last 6 years







## Sources of sustainable VRL cashflows

## 2 Brand Fees received from VEDL and its subsidiaries

## Yearly Brand Fees is upstreamed to VRL from VEDL and its subsidiaries at the beginning of each financial year

- Brand Fee is calculated basis 3% of revenue of Vedanta Ltd, 1.7% for HZL, and in a range of 0.75%-3% for the rest of subsidiaries of VEDL- of the revenue for that particular fiscal year
  - The net brand fee is calculated post deducting 15% withholding tax from the Gross Brand Fee payable

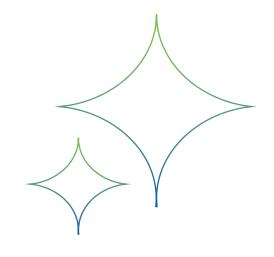
## **Brand Fee Breakdown (% of Revenue)**

Entity	Brand Fee (as % of Revenue)
Vedanta Ltd (Standalone)	3%
Hindustan Zinc Ltd	1.7%
Other Subsidiaries	0.75%-3%

#### Illustration for Brand Fee Calculation basis FY23 revenue

Entity	FY23 Revenue (USD mn)	Brand Fee (Basis FY23 Revenue, USD mn)
Vedanta Ltd (Standalone)	8,478	254
Hindustan Zinc Ltd	4,124	70
Other Subsidiaries	3,236	61
Estimated Brand Fee (post accounting for withholding tax)		327





## **Business Overview**



## **Key Investment Highlights**

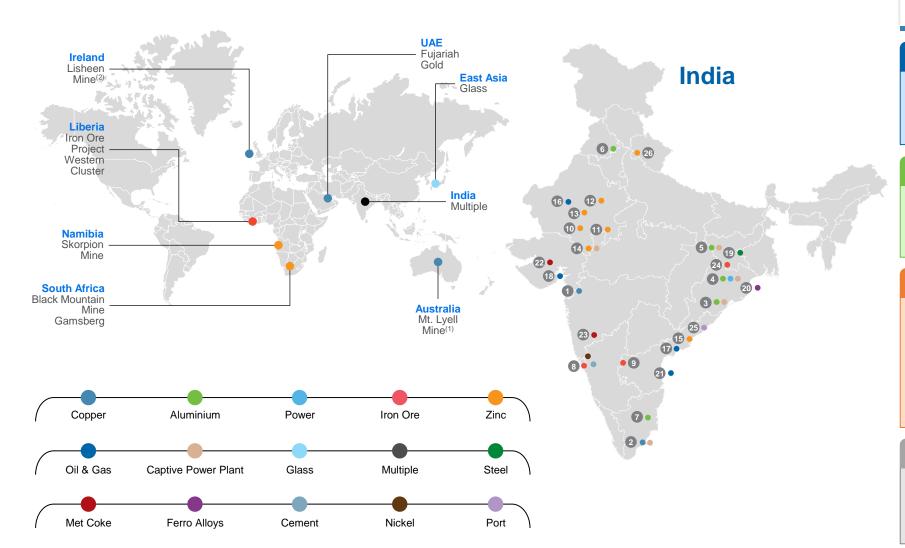
Vedanta is uniquely positioned to deliver long term sustainable value due to its diversified business model and leading position in commodities, critical to the energy transition



- Diversified business risk profile with presence across multiple commodities
- Well-positioned to capitalise on India's economic growth & natural resources potential
- Strong operational track record across key business segments
- 4 Disciplined capital allocation framework
- 5 Strong track record of FCF generation
- 6 Committed to industry leadership in ESG



## Diversified business risk profile with presence across multiple commodities



## **Key Highlights**

#### **Aluminium**

Largest capacity in India and 9th largest capacity globally

**FY23 EBITDA** 

**FY23 Production** 

USD 707mn

2,291 kt

1,793 kt

Aluminium

Alumina

#### Oil & Gas

One of India's largest private sector crude oil producer

FY23 Average daily gross

**FY23 EBITDA** 

operated production

**USD 972mn** 

143 kboepd

#### Zinc & Silver

Amongst the largest fully integrated zinc-lead producers and 5th largest silver producer globally

**FY23 EBITDA** 

Zinc India Zinc International

USD 2,177mn USD 241mn

**FY23 Production** 

**821 kt** Zinc

211 kt Lead

273 kt MIC

714 tonnes Silver

#### Iron Ore & Steel

One of the largest private sector exporter of iron ore in India<sup>(3)</sup>

**FY23 EBITDA** 

**FY23 Production** 

USD 163mn

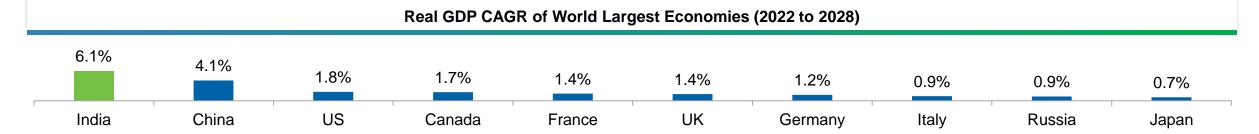
Iron ore 5.3 mnt

Steel 1.3 mnt



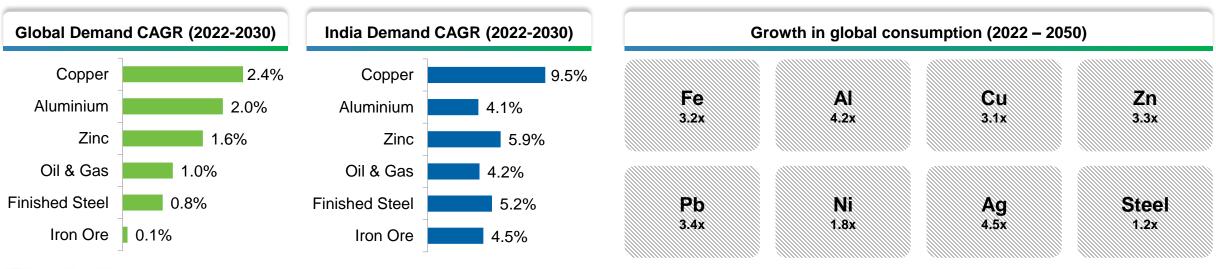
## Well-positioned to capitalise on India's economic growth & natural resources potential

India is amongst the fastest growing economy globally and is slated to be the world's third largest economy by 2027, as per IMF



## India will be a key driver for the demand for commodities

Vedanta is significantly invested in metals critical to economic development and to the energy transition





Source: IMF, Woodmac

Notes: Information displayed is related to VEDL consolidated business

## Strong operational track record across key business segments

#### Zinc-Lead & Silver

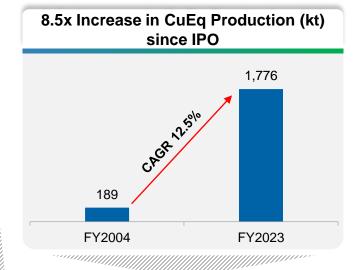
- World largest underground zinclead mine at Rampura Agucha, India
- √ 5<sup>th</sup> largest silver producer in the world
- ✓ Zinc India has an R&R of 460mn tonnes with a mine life of 25+ years
- ✓ Zinc International has an R&R of more than 659mn tonnes supporting mine life in excess of 20 years
- ✓ HZL Low-cost zinc producer with first quartile global zinc cost curve positioning (2022), and long resource life (25+ years)

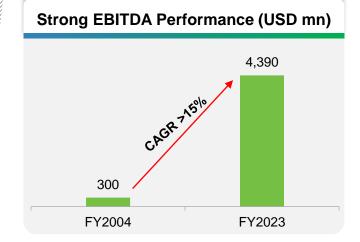
#### **Aluminium**

- Largest aluminium installed capacity in India at 2.3 MTPA
- ✓ Integrated 5.7 GW Power & 2 MTPA Alumina refinery
- √ 41% market share in India among primary aluminium producers
- Diverse product portfolio ingots, wire rods, primary foundry alloy, rolled products, billet and slab

#### Oil & Gas

- ✓ World's longest continuously heated pipeline from Barmer to Gujarat Coast (~670 kms)
- ✓ Awarded key contracts for end-toend management of Operations and Maintenance (O&M) across assets
- One of the largest private sector oil and gas producer in India
- Executed one of the largest polymer EOR projects in the world
- √ Footprint over a total acreage of 65,000 square kilometres
- ✓ Gross 2P reserves and 2C resources of 1,156 mmboe









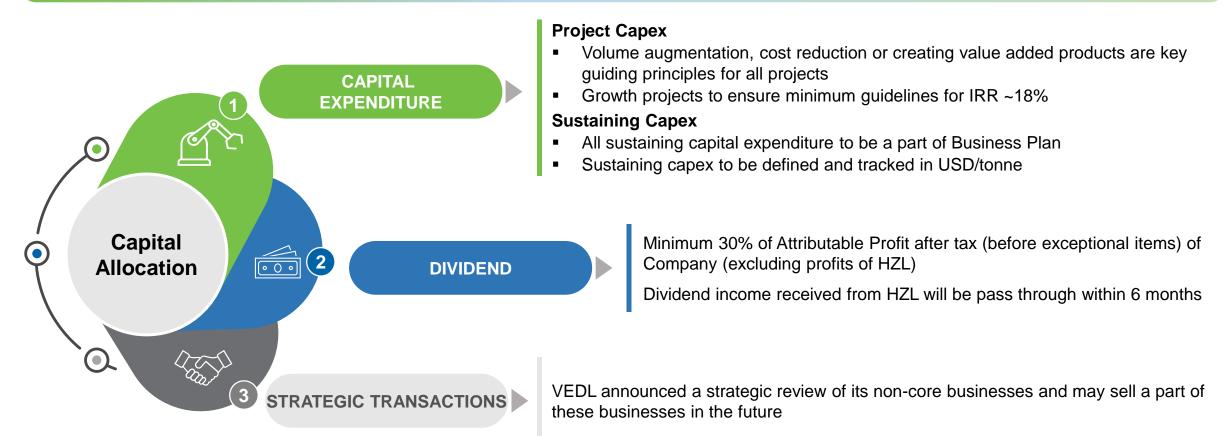


Complemented by other key business segments including iron ore, steel, power and glass



## Disciplined capital allocation framework

## Leverage optimization via prudent capital allocation is the key strategic priority

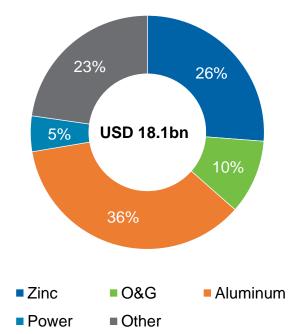




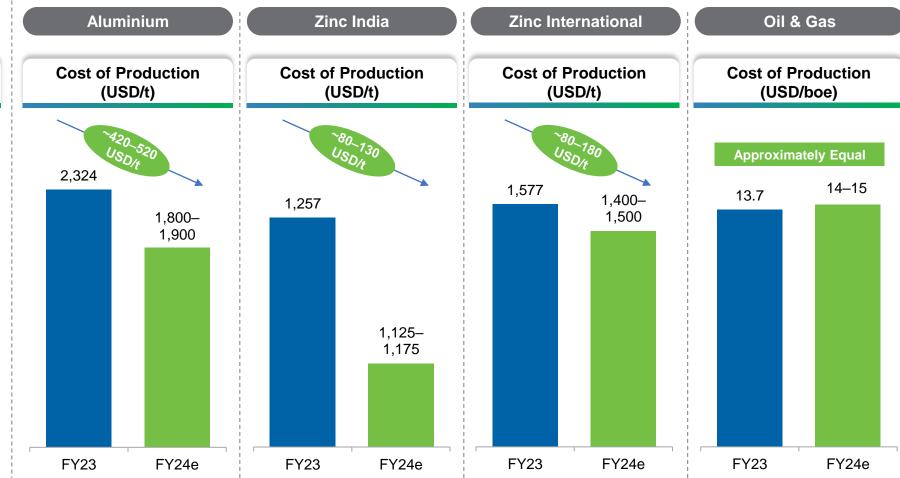
## Strong track record of FCF generation (1/2)

Vedanta's business model is well diversified...

**Vedanta revenue composition (FY23)** 



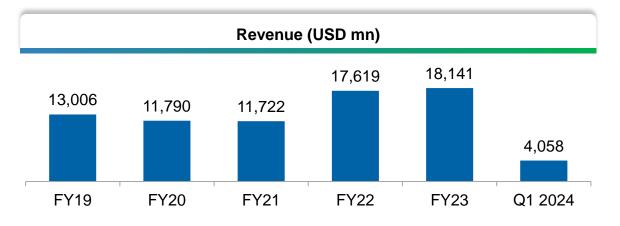
## ...and is coupled with Vedanta's continuous pursuit to lower cost of production

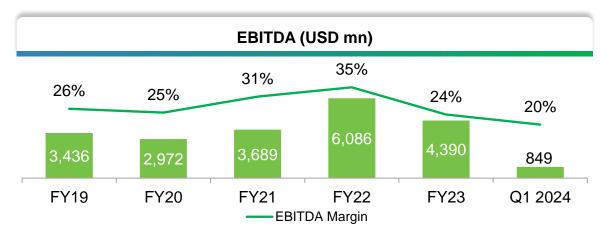


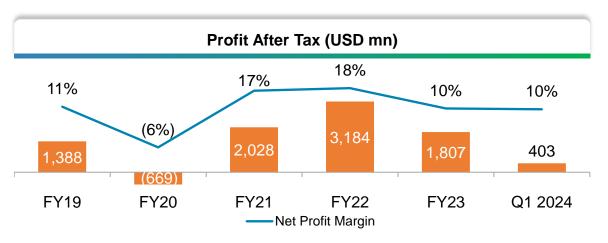


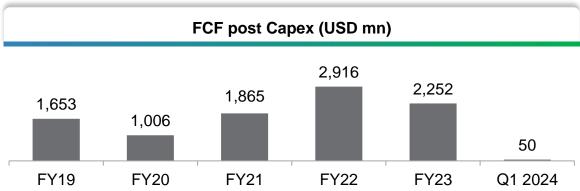
## Strong track record of FCF generation (2/2)

However, the retreat in key commodity prices in FY2023 has resulted in a moderation of earnings and margins, ultimately leading to a softening of free cash flow levels in Q1FY24





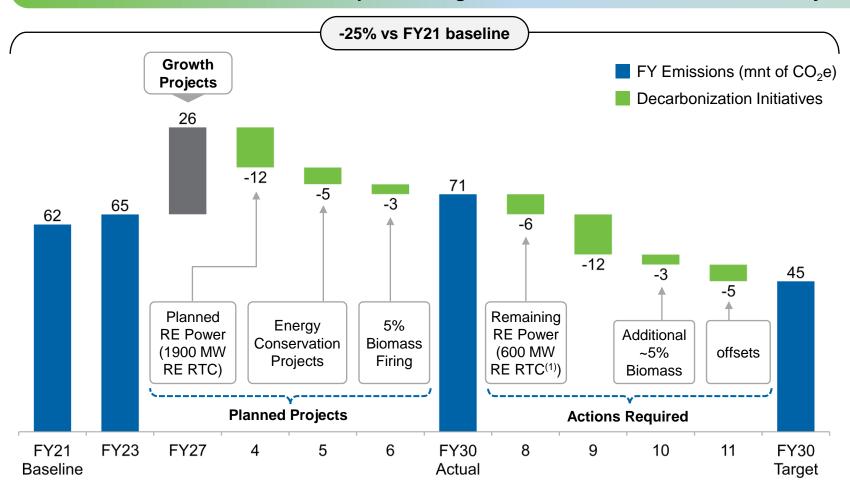






## **Commitment to Decarbonization**

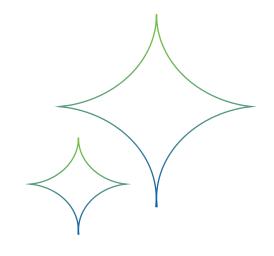
## Well defined net-zero roadmap with a target to reduce absolute GHG emissions by 25% in FY2030 from FY2021 levels



## **Key non-RE decarbonization projects**

- 5% biomass co-firing in powerplants
- Green copper certification & branding
- Scaling up of recycled copper production
- Auxiliary reduction at smelter BALCO
- Switch to EVs<sup>(2)</sup> across bus fleet
- Turbine capacity enhancement
- · Plantation of 1mn trees





## **Appendix**



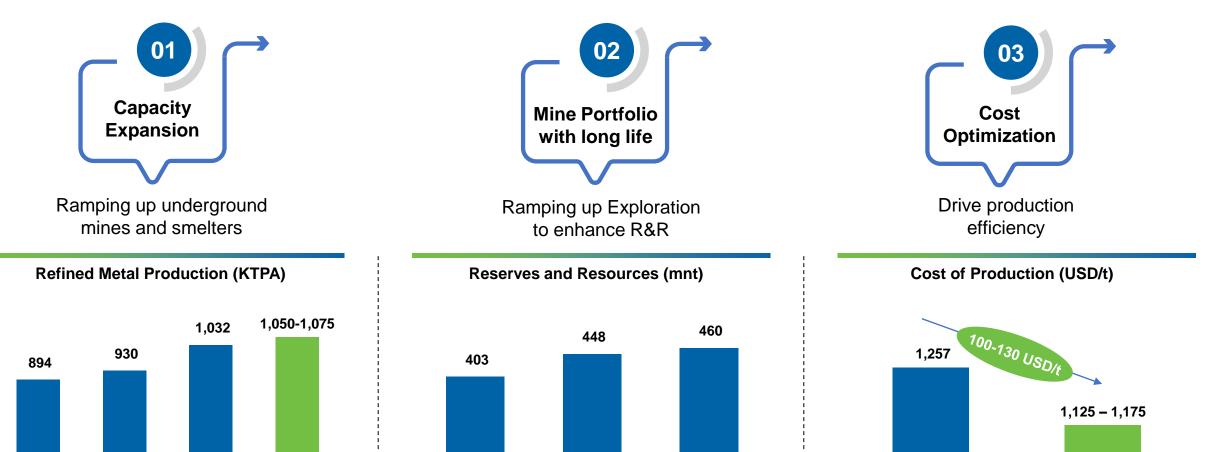
## **Vedanta Resources Limited Group Structure**

#### **VRL Group Structure** All Amounts as on Jun'23 **VRL Aggregated List of Intermediate HoldCos** Listed entities Holdco Debt (USD bn) Twin Star Holdings Ltd. ("TSHL") Loan 2.2 3.7 **Bond** Vedanta Holdings Mauritius Ltd. ("VHML") Total Debt(1) 5.9 Vedanta Holdings Mauritius Ltd. 2 ("VHML 2") Vedanta Netherlands Investments ("VNI") Finsider Intermediate Holdcos 63.71%(2) **VEDL Consolidated VEDL Standalone** (USD bn) (USD bn) 5.4 9.0 Debt Debt Cash 0.2 Cash 1.8 Subsidiaries of Vedanta Ltd. 64.9% 51% 100% 100% 95.5% 100% **Bharat Aluminium** Zinc International (ZI) Talwandi Sabo Power Cairn India Holdings Ltd. **Hindustan Zinc Ltd** ESL Steel Ltd. (USD mn) Corporation (USD mn) (USD mn) (USD mn) (USD mn) (USD mn) 840 Debt 1,137 Debt 131 Debt **Debt** 783 Debt 276 Debt 316 Cash Cash 1,164 104 Cash 20 Cash 63 8 Cash Cash 163



Sensitivity: Internal (C3)

## **Zinc India**



Target for Zinc India to be the largest integrated zinc-lead company and top 3 silver producers globally

FY21

FY23

FY19



FY21

FY23

FY24e

FY19

FY24e

FY23

## **Zinc International**

### **Current Operations**

#### **Gamsberg Operations:**

- One of the world's largest Zinc deposits
- Phase 1 → 250 KTPA MIC capacity

#### **BMM Operations:**

- Underground mining
- 75 KTPA MIC capacity



Ore production at 4 MTPA; Post expansion 8 MTPA

## VZI plans to achieve a capacity of 500 KTPA+ MIC run rate

### **Gamsberg Expansion (Phase – 2)**



## **USD 466mn**Approved Capex



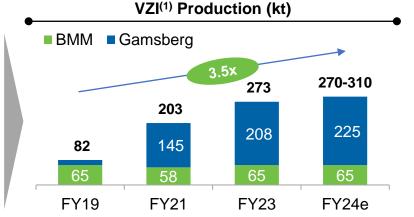
4 MTPA → 8 MTPA
Open Cast mine expansion



**NEW 4 MTPA**Concentrator



Installed Capacity at 4 MTPA; Post expansion 8 MTPA





New tailing dam with HDPE lining as per environmental regulations

Target for Vedanta Zinc International to be a 500KTPA producer driven by a pipeline of high-quality projects, a 1<sup>st</sup> quartile zinc producer and a leader in sustainable mining



## Oil & Gas

### Vision



> 50% of India's domestic production



Maximize resource potential of 62 blocks



Partnership models for capex and O&M<sup>(1)</sup>







## **Key Drivers for augmenting R&R**



#### Infill wells

Operating fields namely
Aishwarya, Bhagyam, Tight Oil
and Tight Gas to augment
reserves & mitigate natural
decline



### **Exploration PSC/OALP**

Exploration drilling both onshore & offshore across the PSC and OALP blocks to establish resource potential



#### **ASP**

Early ASP injection in select pads. Evaluating full field execution opportunity.

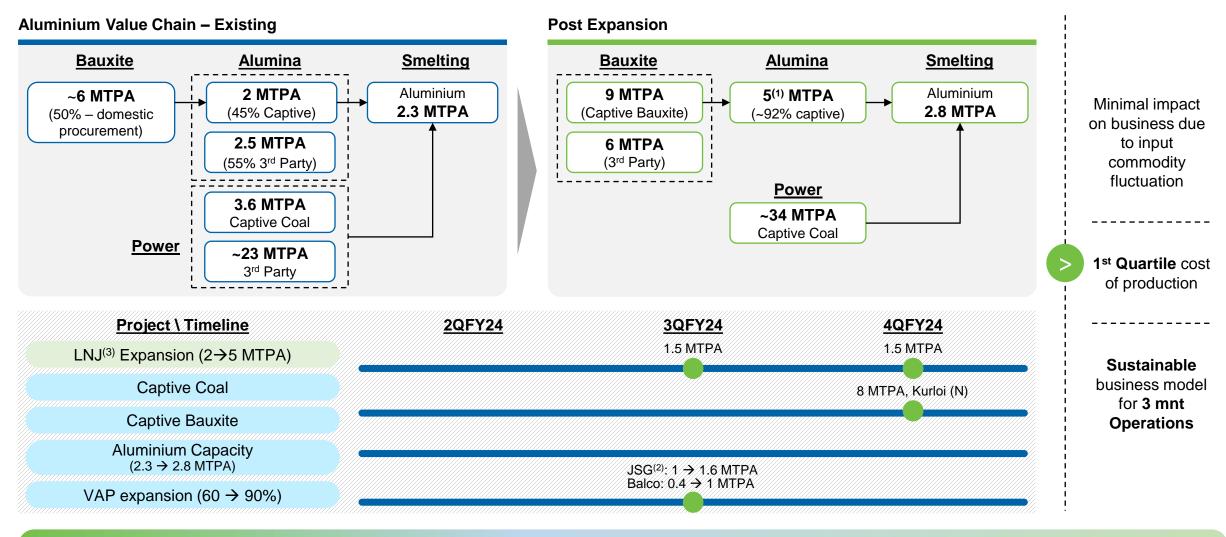
Partnership-model with leading OFS companies from concept to execution







## **Aluminium**



Target for Vedanta Aluminium to be a first quartile, 100% integrated aluminium producer, and a top 3 aluminium producer globally ex-China



## Iron & Steel



## STEEL & Pig Iron Capacity expansion planned upto 4MTPA

- Expansion at Bokaro / Goa
- Greenfield at Bellary
- VAP portfolio expansion
- Captive Iron Ore

#### **Current growth project:**

- Growth capex of USD 349mn
- Doubling HM<sup>(2)</sup> Capacity to 3 MTPA
- Project completion → FY24



#### **IRON ORE**

Capacity expansion planned upto 12MTPA

- Started mines in Liberia
- Reserves and Resources
   Augmentation through Exploration
- Operationalise Goa Mines
- New mine acquisition



#### **FERRO ALLOY**

Capacity expansion planned upto 225KTPA

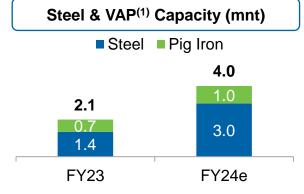
- Charge Chrome plant (CCP) Expansion
- Mine Expansion
- Reserves and Resources
   Augmentation through Exploration

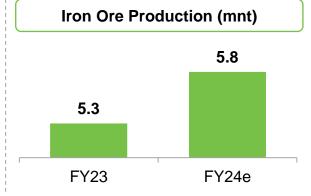


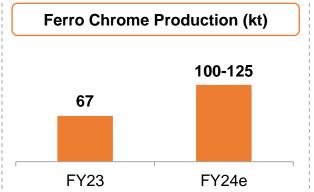
#### **NICKEL**

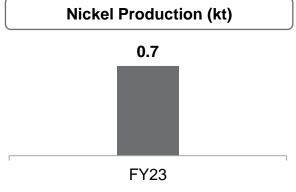
Capacity expansion planned upto 12KTPA

- Started Operations
- Debottlenecking
- Capacity Expansion
- Captive Nickel Mine











Notes: (1) VAP: Value Added Product; (2) HM: Hot metal

26

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