Zinc India A legacy of leadership

Arun Misra Executive Director Vedanta Limited



Zinc India : Key Strengths

- World's 2nd largest integrated zinc producer and 5th leading silver producer
- Fully integrated India's only zinc-lead-silver producer over five decades of expertise in mining and smelting
- 2nd highest zinc R&R base globally with average grade of over 5%
- In the first decile of the global zinc mining cost curve, consistent cost optimization of over 15% in last year
- Robust EBITDA margin of ~50% backed by operational excellence, technological advancements, cost optimization and strong resource base
- Sustainability leader with highest rank in S&P sustainability assessment globally, ESG focus with economic prudence
- Irreplaceable resource and asset base, with technologies providing flexibility of running operations based on the market landscape
- Consistently AAA rated by leading credit rating agencies







Smelting Capacity

Zinc Smelting 913,000 TPA

Lead Smelting 210,000 TPA

Silver Refining **800 TPA**



Zinc India: Vision, Mission and Growth Narrative Vision to be **the world's largest** and most admired Zinc, Lead & Silver Company



01

- Roaster of 160 Ktpa at Debari: FY2025
- UG mine ramp up and debottleneck roasting, leaching & purification operations
- Techno-commercial study to double production to 2+ Mtpa
- Increment in Silver to 1000 Tonne

Refined Metal Production (KTPA)

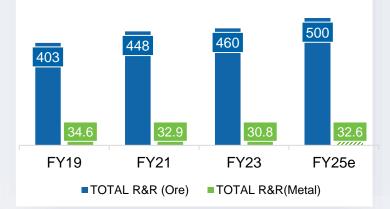
Mine Portfolio with long life

02

- Innovative technology and advanced geophysics for exploration
- Retain existing mining leases and acquire new potential areas
- Upgrade Ore Reserves

EBITDA: 2.02 Bn \$

Reserves and Resources (million tones)

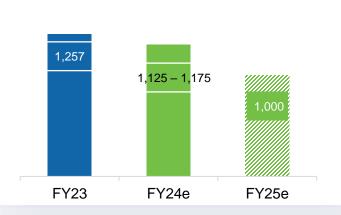


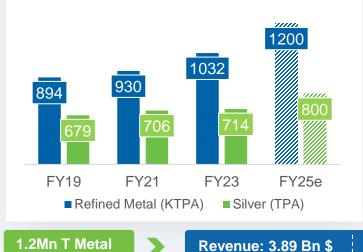
03

Cost Optimization

- Efficient ore hauling, higher volume and grades besides higher productivity through ongoing efforts in automation and digitalization
- 450 MW RE power at a fixed rate for 25 years, providing better cost visibility and predictability: FY2026

Cost of Production (\$/t)





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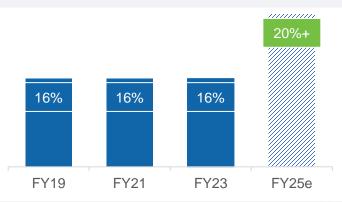
Zinc India : Vision, Mission and Growth Narrative

MISSION: Enhance stakeholder value, be the lowest cost producer & maintain market leadership

04

Expanding VAP Portfolio

- Ramp up of 30kt Alloy plant
- Forward integration through 510 Ktpa Fertiliser plant at Chanderiya: FY2026
- Focus on the innovation of new products in lead alloys
- Increased penetration of zinc alloys: Target increase of over 60% in next 3 yrs - Focus on HZDA, CGG, ZAM, zinc dust, EPG



Value Added Product (%)

Sustainable Future

05

- RE power delivery agreement to cater 50% of HZL's power requirement reducing 2.7Mnt of carbon emissions
- Commissioned Fumer plant at Chanderiya focusing on waste to wealth
- ZLD plants at Agucha and Zawar

Road Ahead

450 MW Green power additions

USD 1 Bn investment towards climate change initiatives

100% Mechanised charging at Zawar





Vedanta Iron and Steel Business



Sesa Goa Overview

Liberia (WCL) Includes Bomi (currently producing), Bea and Mano iron ore concessions			Karnataka (IOK)		Goa (IOG) Includes Bicholim iron ore mine and Cudnem iron ore mine (first production expected mid-2024)			Sesa Coke Includes two merchant coke plants in Gujarat and Vazare	
			Includes A. Narrain iron ore mine						
2 MTPA FY24 exit runrate	37% Bomi 31% Bea 32% Mano	67.5% Fe expected conc. grade ⁶	7.2 MT Current EC Capacity	54-56% LOM avg. Fe grade ¹	Currently Zero premium to government	3 MTPA Current EC Capacity	56% Bicholim Fe grade ³	57% Cudnem Fe grade ⁴	820 Coke ovens
3,897 MT Reserves and resources ⁵	65 year R&R life at Bomi	65km proximity to Monrovia port	129 MT Reserves and resources ²	<2% Alumina content	<4km proximity to captive railway siding	93 MT Reserves and resources ^{3,4}	50 year Mining license	<30km proximity to VAB pig iron plant & near to port	3 Operating units
Value Added Business (VAB)						And the second			66 KT FY24E coke production
	n plant, metallurgical on the state of the s					NO F	5	J Jus	0.8 MTPA Metallurgical coke capacity
335 KT FY24E pig iron production	2.2 MTPA FY28E hot metal capacity	3 Current blast furnaces ⁷		Aonrovia 9 37				Same	
D.5 MTPA Metallurgical coke capacity	65 MW WHR power plant capacity	US\$3/T Credit from cement offtake of slag	E			Go		Arishnapatnam	
ΙΟΚ	IOG VAB	WCL S					ngalore		
Mines	Plants •	Ports Owned infrastructure	★ Iron o e at port dema	re nd hotspot			3		



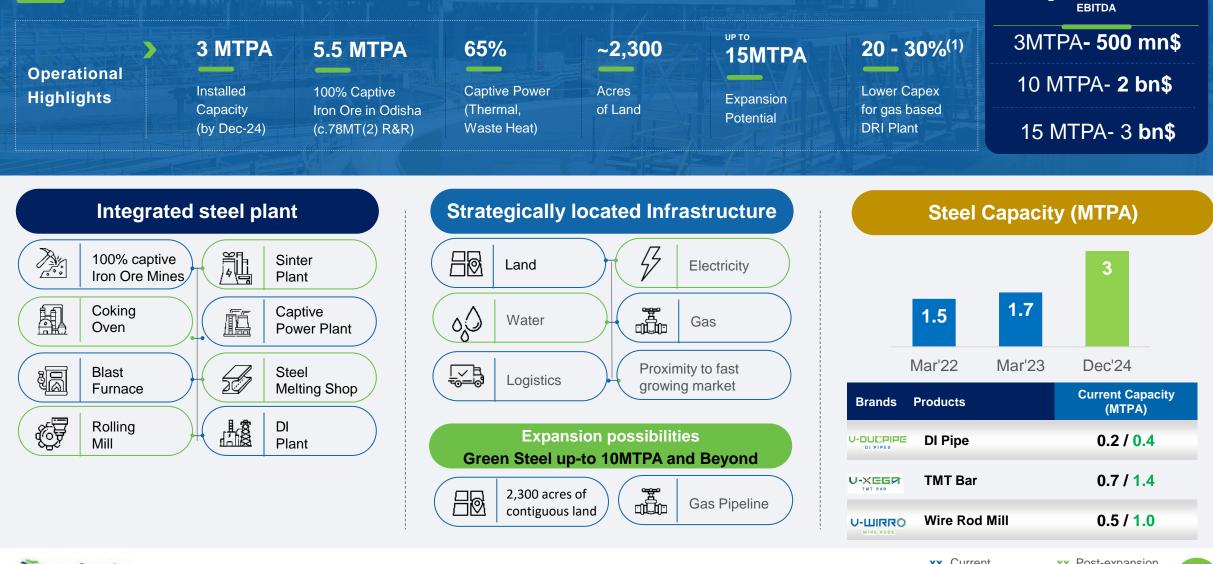
Sesa Goa : Growth





Sensitivity: Internal (C3)

ESL at a Glance





Ongoing expansion of hot metal capacity to be operational in Dec-2024

xx Post-expansion

Integrated Platform -

FACOR's Growth Vision Poised to be the India's largest Ferrochrome producer by 2027 with 500 KTPA capacity



45 & 33 MVA Furnaces

100 MW Power Plant

MINES	LEASE AREA (Ha)	LEASE PERIOD (year)	RESERVE (Mn ton)	RESOURCE (Mn ton)
Osthapal	73	2035	19.6	17.5
K'ggta	24	2058	0.33	1.5
Kathpal	113	2030	0.5	1.1
Boula	187	2032	4.08	1.4
Katasahi	14	2048	0.4	0.05
Total	411	-	24.91	22.55

Particulars	UOM	FY21	FY25	FY27	FY30
Capacity	КТРА	70	200	500	500
Revenue	Mn\$	70	206	390	650
EBITDA	Mn\$	13	56	104	220
NSR	\$/ton	940	1290	1300	1300
СоР	\$/ton	763	940	952	860
Milestones			Doubled Production capacity after acquisition through internal accruals only, all Internal debts settled	Pioneer in UG Chromite Friable Mining, 300 KTPA Capacity Addition	Diversified Alloys: Chromite Manganese Molybdenum, 100 Mn R&R with 50+ years Intergenerational Equity



Key Takeaways – A Diversified Growth

