

Kumba Iron Ore 2021 Interim results

27 July 2021



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### Agenda

1H21 overview

Safety and Sustainability

Unlocking asset potential

Stakeholder value creation

Positioning for the future

Themba Mkhwanazi

Bothwell Mazarura

Themba Mkhwanazi

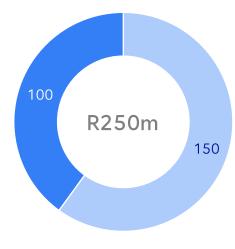


### Kumba's response to social unrest and Covid-19

#### Two phased approach

- 1. Building on Kumba's WeCare programme
  - Relief scheme for employees, contractors and communities
  - Provision of basic food parcels and medicine
- 2. Resetting and rebuilding post Covid-19 and social unrest
  - Youth employment and training
  - Educational sponsorships
  - SMME funding and skills training
  - Infrastructure projects

#### Extended Covid-19 support (Rm)



- Extended Covid-19 support
- Rebuild and reset support

### First half highlights

Safety and sustainability

Unlocking asset potential

Stakeholder value creation

>5 years

Fatality free production

20.4Mt

Production 1H20:18.2Mt

R31.5bn

Attributable free cashflow 1H20: R7.1bn

**Environment** 

**EBITDA** 

Dividends per share

>6 years

Zero significant incidents

R44.4bn

1H20: R17.4bn

R72.70

1H20: R19.60

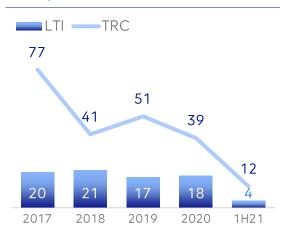
## Safety and Sustainability

Themba Mkhwanazi



### Excellent safety and sustainability performance

#### Safety



>5 years fatality free production Elimination of fatalities programme Sustained risk reduction programme

#### Health

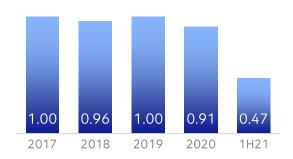
Occupational diseases (new cases)



74% voluntary HIV testing
55% less non-occupational TB cases
Employee health & wellness programme

#### **Environment**

Carbon emissions (Mt  $C0_2e$ )



>6 years zero significant incidents
 Responsible transition to lower CO<sub>2</sub>
 7 436ML water supplied to communities

Note: LTI: Lost-time injuries; TRC: Total recordable incidents

# Robust Covid-19 strategy keeping the engine running

Safe and healthy people

Supporting stakeholders

Maintained robust protocols

Providing essential services

Mental health and wellbeing

Supporting our communities

Vaccination programme

Collaborative partnerships



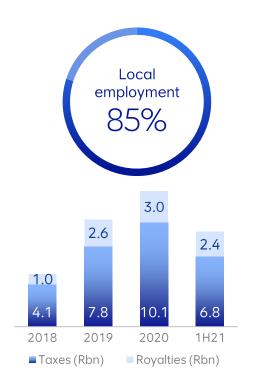






### Creating value for all our stakeholders

Rbn	1H21	1H20	Rbn	1H21	1H20
Contributing to South Africa			Supporting local businesses		
Income tax	6.8	3.3	BEE business suppliers	4.9	5.2
Mineral royalty	2.4	1.0	Host community suppliers	1.7	1.4
Capital investment	3.0	2.8			
Providing employment					
Salaries and benefits	2.8	2.4	Rm	1H21	1H20
Delivering shareholder retur	ns		Building communities		
Owners of Kumba	23.4	9.9	Direct social investment	85.0	125.9
Empowerment partners	7.3	2.0	Covid-19 contribution	12.0	55.7

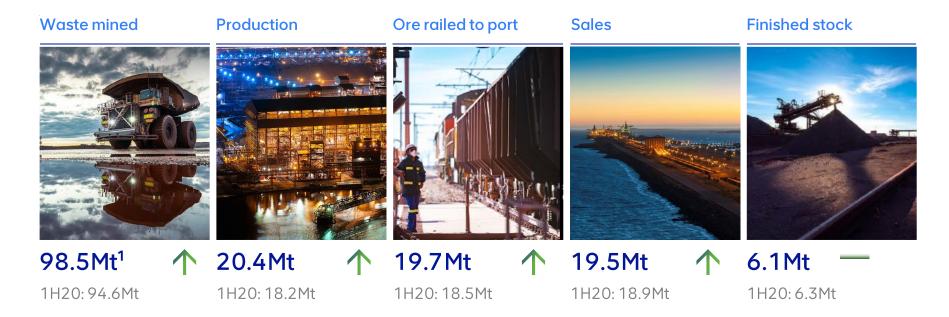


## Unlocking asset potential

Themba Mkhwanazi



### Balancing our value chain



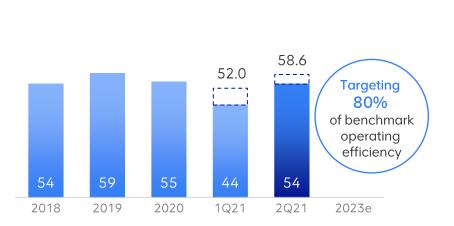
<sup>1.</sup> Includes Kapstevel South waste of 7.4Mt in 1H21

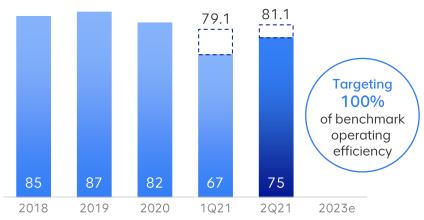
All volumes and unit costs, excluding waste are reported in wet metric tonnes. Kumba product is shipped with approximately 1.6% moisture. The comparative has been restated as Kumba previously reported on a dry basis

# P101 efficiency recovery reflects operational resilience

Total shovel fleet OEEs<sup>1</sup>(%)

Total truck fleet OEEs<sup>2</sup> (%)





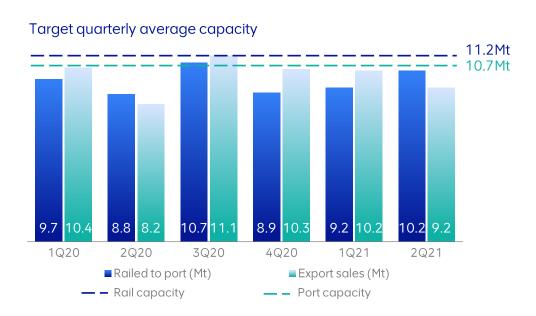
Normalised for rainfall.

<sup>1.</sup> Primary shovels: Sishen - 6 x Rope (4100 and 2800), Kolomela 2 x hydraulic shovels (996)

<sup>2.</sup> Trucks: Sishen x 100 trucks (860 and 960), Kolomela x 36 trucks (730)

### Focused on improving throughput

#### Logistics performance (Mt)



#### Interventions to improve performance

#### Rail (44.8Mt capacity)

- Track refurbishment, improve train speed
- Operational management appointed
- Locust spraying programme
- Preventative maintenance regime

#### Port (42.7Mt capacity)

- Targeting 2Mt increase to match rail
- Simplify from 5 to 3 products
- Increase direct and dual loading
- Larger vessel sizes
- Optimise stockpile at port

All volumes and unit costs, excluding waste, are reported as a wet metric tonnes. Kumba product is shipped with approximately 1.6% moisture. The comparative has been restated as Kumba previously reported on a dry basis.

### Differentiated by quality

Rio Tinto



BHP

**FMG** 

Source: Iron Ore Marketing.

Kumba

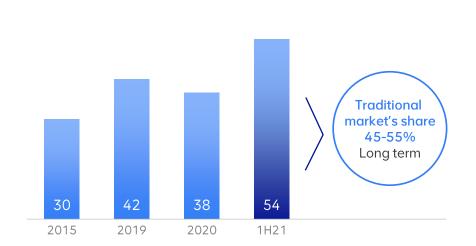
Vale



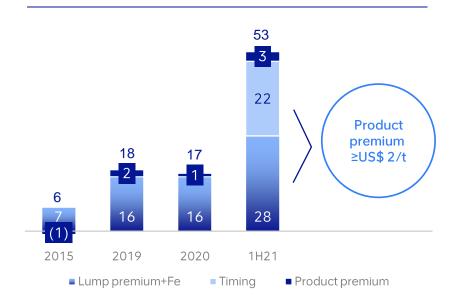
<sup>1.</sup> Excluding pellets (Kumba product has approximately 1.6% moisture)

### Premium driven by market share gain and quality

#### Traditional market's<sup>1</sup> share of total sales (%)



#### Price premium over Platts 62 FOB (US\$/wmt)



<sup>1.</sup> Sales in EU/MENA/Americas, Japan and South Korea

### Stakeholder value creation

Bothwell Mazarura



### First half financial results

Average realised FOB price<sup>1</sup>

Break-even price

**HEPS** 

US\$216/t

1H20: US\$91/t

US\$26/t

1H20: US\$42/t

R72.78

1H20: R26.19

**Cost savings** 

R370m

1H20: R700m<sup>2</sup>

**EBITDA** margin

70%

1H20:55%

**DPS** 

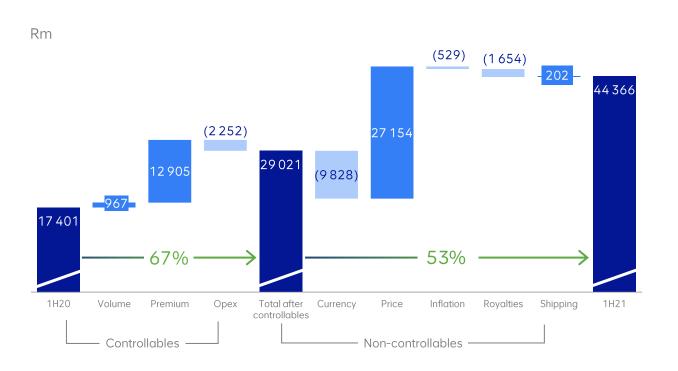
R72.70

1H20: R19.60

<sup>1.</sup> Aaverage realised FOB price and comparative on wet metric tonne basis (Kumba product has approximately 1.6% moisture)

<sup>2.</sup> Includes R355 million of Covid-19 related savings

### EBITDA driven by strong iron ore price and premium



#### Controllables

Sales up 3% to 19.5Mt (1H20: 18.9Mt)

Product premium US\$2.8/t (1H20: US\$0.1/t)

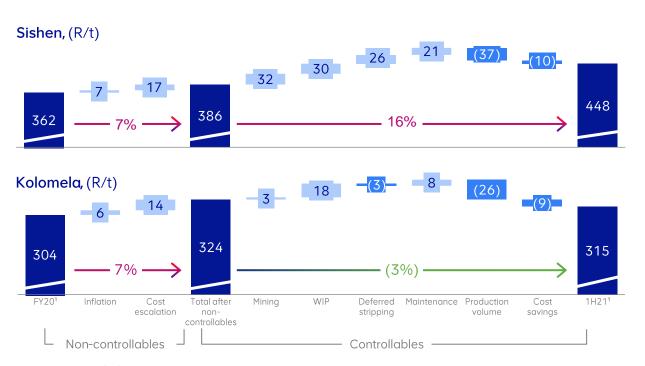
Opex driven by higher mining cost and stock movement

#### Non-controllables

Average R/US\$ up 13% to R14.54 (1H20: R16.67)

Average Platts FOB price US\$163/t (1H20: US\$80/t)

### Higher production offsetting cost inflation



#### FY21 unit cost guidance

Sishen: R410 - R420/dmt

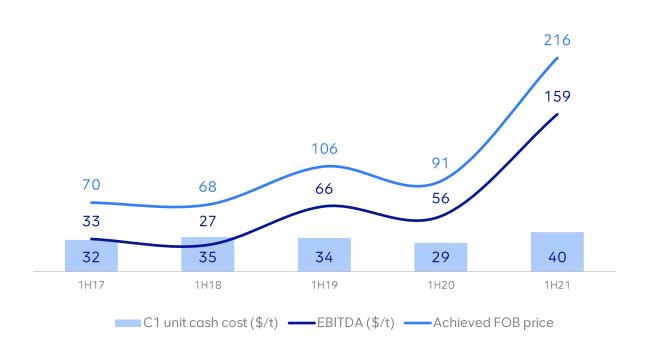
(Previously: R395 – R405/dmt)

Kolomela: R305 - R315/dmt

(Previously R300 – R310/dmt)

 $<sup>1.</sup> Excluding the impact of deferred stripping on unit cost: Sishen = 1 H21: R32/t (FY20: R60/t); \\ Kolomela = 1 H21: R80/t (FY20: R84/t) + R80/t (FY20:$ 

### Value over volume strategy continues to pay



### **TSWELEL** PELE

#### **Enhanced product premium**

US\$2.8/t above lump & Fe premium

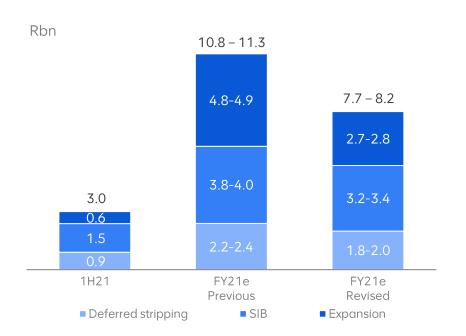
#### Improve operational efficiency

71% truck fleet efficiency

#### Cost savings initiatives

Savings since 2018 of R3.6bn C1 unit cash cost ≤US\$40/t

### Deferrals driving lower capex in 2021



#### R3bn of lower capex

Rephasing non-essential work and equipment

Kapstevel mining optimisation

Stronger USD/ZAR exchange rate

#### Expansion capex to grow our assets

Kapstevel South, UHDMS, P101 efficiency programme

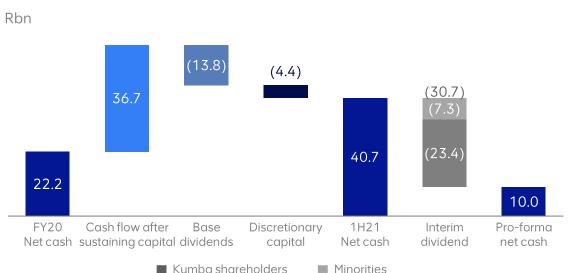
#### Sustaining capex to unlock asset potential

Plant, infrastructure, capital spares

Operational availability and reliability

### Robust and flexible balance sheet

### Strong free cash flow generation



#### Interim dividend declared

>3x

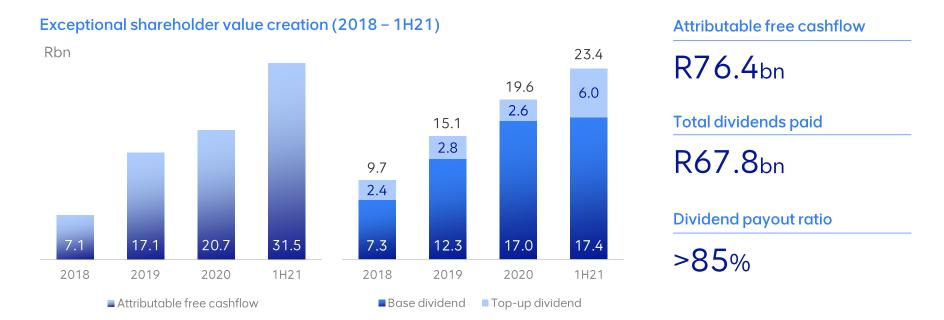
Dividend payout ratio

100%

Dividend yield

11.3%

### Maximising returns and delivering sustainable value



<sup>1.</sup> Excluding dividends declared to minorities

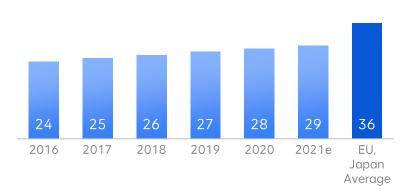
# Positioning for the future

Themba Mkhwanazi



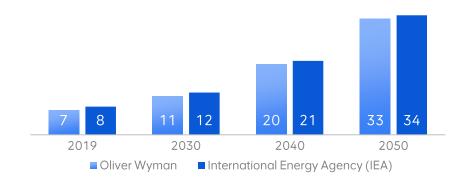
### Decarbonisation will drive demand for quality

#### Share of direct charge ore in Chinese blast furnaces<sup>1</sup> (%)



Steelmakers in traditional markets trialing H2-DRI<sup>2</sup> iron production Sintering closures in China increases demand for direct charge ore

#### DRI<sup>2</sup> share in global iron production will increase (%)



Increasing carbon costs will drive switch to DRI and demand for high quality lump and pellets

### Pathway to decarbonisation

#### Scope 1 and 2: Targets and strategy set, pilot studies progressing

- Solar renewable energy project studies underway
- Hydrogen truck pilot studies in progress
- Carbon neutrality by 2040

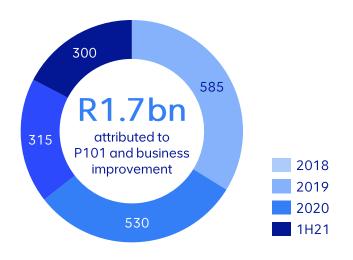
#### Scope 3: Developing targets, strategy and initiatives

- UHDMS will upgrade high quality lump product
- Building partnerships with steel industry
- LNG freight shipping vessels

ESG KPIs increased to 20% of executive performance scorecards



### Tangible value delivered



~310Mt

Reserves added

2018 – 2021 excl. depletion and incl. UHDMS<sup>1</sup>

~2039

Sishen LoM extension<sup>2</sup> (incl. UHDMS)



 $<sup>1.\</sup> Based\ on\ approved\ feasibility\ study.\ Reserves\ to\ be\ updated\ as\ part\ of\ 2021\ life\ of\ mine\ cycle$ 

<sup>2.</sup> Based on approved feasibility study. 2036 – 2039 @ 10 – 15Mtpa for the 3-4 year period

### Technology for safety, efficiency and sustainability

#### **Operating Model**



Stable and capable programme
Defect elimination programme
Debottlenecking logistics
Optimise value chain

#### **FutureSmart™ mining**



VOXEL<sup>™</sup> data analytics programme
Integrated Operations Centres
Advanced process control
Drill automation at Sishen

#### **Projects**



Kapstevel South ahead of plan
UHDMS implementation on track
N. Cape exploration on track

### 2021 full year guidance

**Total production** 

**Total sales** 

C1 cash costs

Capital expenditure

40.5 – 41.5Mt

39.5 – 40.5Mt

(previously 40.5 - 41.5Mt)

≤US\$40/t1

(previously ≤US\$34/t)

R7.7-8.2bn

(previously R10.8-R11.3bn)

	Sishen	Kolomela
Production	~28.5Mt	~13Mt
Waste	150 - 160Mt	55 – 65Mt <sup>5</sup>
Unit costs	R410 – 420/dmt (previously R395-405/dmt)	R305 – 315/dmt (previously R300-310/dmt)
Strip ratio	4.5, LoM ~3.8 <sup>2</sup>   3.7, LoM ~3.1 <sup>3</sup>	To exceed ~4, LoM ~3.6
LoM	15 years / ~19 years <sup>4</sup>	12 years

<sup>1.</sup> Based on R14.30/US\$1. Previous guidance based on R16.47/US\$1 | 2. Without UHDMS | 3. Sishen (C-grade as ore) with UHDMS | 4. Including UHDMS with 2036 – 2039 production being ~10 – 15Mtpa | 5. Including Kapstevel South All volumes and unit cost, excluding waste are reported in wet metrictonnes (Kumba product has approximately 1.6% moisture). The comparative has been restated as Kumba previously reported on a dry basis

### Well positioned to continue delivering stakeholder value

Assets	Capabilities	Sustainability
High quality products	Operational resilience	Safe and healthy operations
Life extension opportunities	P101 efficiency and technology	Competitive margins
Strong balance sheet	Cost and capital discipline	Enduring stakeholder value















Annexures



### Logistics performance impact on sales

Mt	1H21	1H20	% change	2H20	% change
Railed to port (incl. Saldanha Steel)	19.7	18.5	6	19.7	6
Sishen mine (incl. Saldanha Steel)	13.7	12.5	10	13.5	8
Kolomela mine	6	6	-	6.2	3
Total sales	19.5	18.9	3	21.4	13
Export	19.4	18.6	4	21.4	15
Domestic	0.1	0.3	(67)	-	(100)
Total ore shipped	19.4	18.7	4	21.3	14
CFR (shipped by Kumba)	11.3	14	(19)	13.5	(4)
FOB (shipped by customers)	8.1	4.7	72	7.8	66
Finished product inventory	6.1	6.3	(3)	4.8	(24)

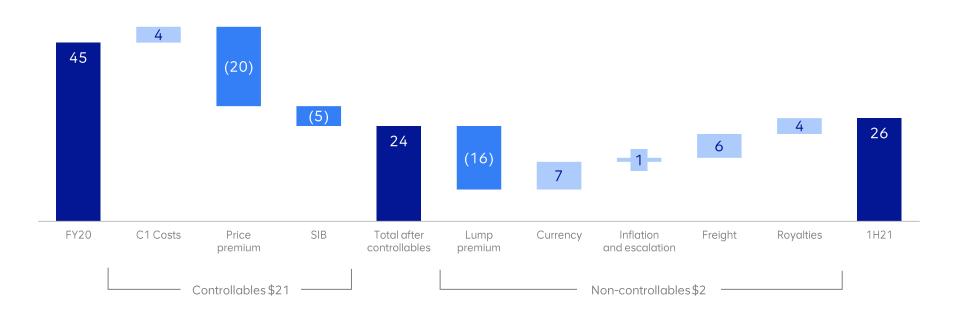
## Operating margin driven by strong revenue growth

Rm	1H21	1H20	% change	2H20	% change
Revenue	63 616	31 579	>100	48 525	31
Operating expenses	(21 692)	(16 540)	31	(22726)	<100
Operating profit	41 924	15 039	>100	25 799	63
Operating margin (%) <sup>1</sup>	66	48	38	54	22
Profit for the period	30 621	11 024	>100	18 817	63
Equity holders of Kumba	23 353	8 408	>100	14 371	63
Non-controlling interest	7 268	2 6 1 6	>100	4 446	63
Effective tax rate (%)	27	27	-	28	-
Cash generated from operations	45 738	14 976	>100	25 363	80

<sup>1.</sup> Includes expected credit losses

### Break-even price supported by price premiums

Platts 62% break-even price (US\$/t)

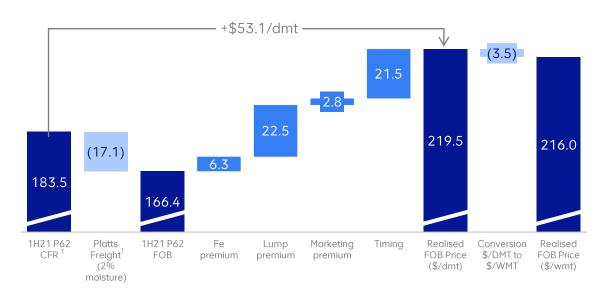


# Revenue analysis

	1H21	1H20	% change	2H20	% change
Export (Rm)	60 808	28 399	>100	45716	33
Tonnes sold (Mt)	19.1	18.3	4	21.0	(9)
US Dollar per tonne	220	93	>100	134	64
Rand per tonne	3 185	1 552	>100	2 177	46
Domestic (Rm)	235	464	(49)	(55)	>100
Shipping operations (Rm)	2 573	2716	(5)	2 864	(10)
Total revenue	63 616	31 579	>100	48 525	31
Rand/US Dollar exchange rate	14.54	16.67	(13)	16.27	(11)

### Price premia driven by traditional market recovery

#### Kumba 1H21 realised FOB price (US\$/t)



#### Price drivers

P62 index CFR China price +201% average: US\$183.5

Fe premium:

Average: ~US\$3.01 per 1% Fe

Lump premium:

Average: US\$0.52/dmtu vs US\$0.23/dmtu in

2020

Marketing:

Premium on high quality products

Timing effects:

Products generally priced in month after arrival

<sup>1.</sup> Straight average of the daily indices between 1 Jan - 30 Jun 2021

### Revenue reflects higher prices and volumes



#### Revenue drivers

#### Controllables

Total sales volumes:

Up 3% to 19.2Mt (1H20: 18.6Mt)

Lump premium:

Average US\$22.5/dmtu (1H20: US\$9.8/dmtu)

Product premium US\$2.8/t (1H20: US\$0.1/t)

#### Non-controllables

Average Platts FOB price US\$163/t(1H20: US\$80/t)

Average R/US\$ 13% stronger at R14.54 (1H20: R16.67)

## Operating expenditure analysis

Rm	1H21	1H20	% change	2H20	% change
Raw materials and consumables	1126	508	>100	941	20
Inventory movement in finished product	459	848	(46)	1 513	(70)
Inventory movement in WIP	277	(645)	>(100)	(676)	>(100)
Inventory written down to NRV	83	31	>100	871	(90)
Contractors' expenses	1 9 3 9	1 643	18	2 174	(11)
Deferred stripping costs capitalised	(942)	(1 237)	(24)	(1 265)	(26)
Staff costs	2 826	2 428	16	2 578	10
Shipping services rendered	2 487	2 832	(12)	2 7 6 6	(10)
Depreciation of fixed assets	2 442	2 362	3	2 608	(6)
Mineralroyalty	3 113	1 458	>100	2 035	53
Repairs and maintenance	1 486	1 115	33	1 364	9
Petroleum products	1 110	930	19	1 055	5
General expenses <sup>1</sup>	1 068	1 5 3 8	(31)	1 500	(29)
Corporate costs	485	261	86	527	(8)
Energy costs	239	200	20	239	_
Net finance losses/(gains)	85	(832)	>100	1 016	(92)
Transportation and selling costs	3 409	3 100	10	3 480	(2)
Operating expenses <sup>2</sup>	21 692	16 540	31	22726	(5)

<sup>1.</sup> Includes the following significant items: lease payments, IT costs, donations, consulting and audit fees and expected credit losses, insurance costs. Technical services and project costs and administration expenses,

<sup>2.</sup> Total operating expenses includes expected credit losses

<sup>3.</sup> Analysis is based on sales volumes measured in dry metric tonnes.

### Operating expenditure driven by higher mining cost



<sup>1.</sup> Excluding mineral royalty and impairment

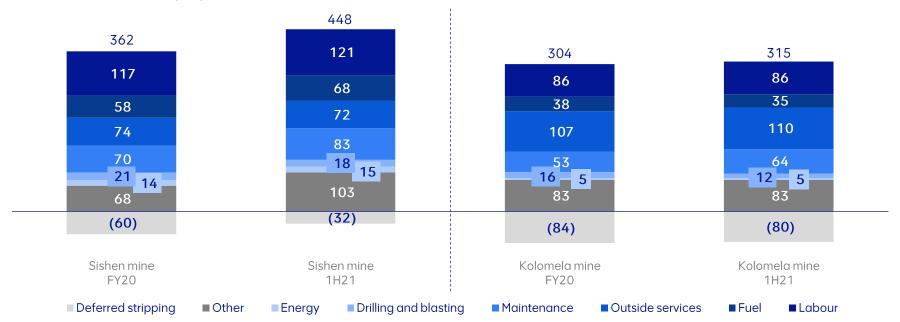
# EBITDA analysis

Rm	1H21	1H20	% change
Total sales volumes (Mt)	19.2	18.6	3
Benchmark price (\$/t)	183	91	>100
Product premiums (\$/t)	54	12	>100
Freight (\$/t)	(17)	(10)	70
Realised FOB price(\$/t)	220	93	>100
On-mine unit costs (\$/t)	(28)	(19)	47
Logistics (rail and port) (\$/t)	(12)	(10)	20
Royalties (\$/t)	(11)	(5)	>100
Other costs (\$/t)	(10)	(3)	>100
FOB margin (\$/t) b	159	56	>100
Average Rand/US Dollar exchange rate (ZAR/US\$)	14.54	16.67	(13)
EBITDA axbxc	44 366	17 401	>100

Analysis is based on sales volumes measured in dry metric tonnes

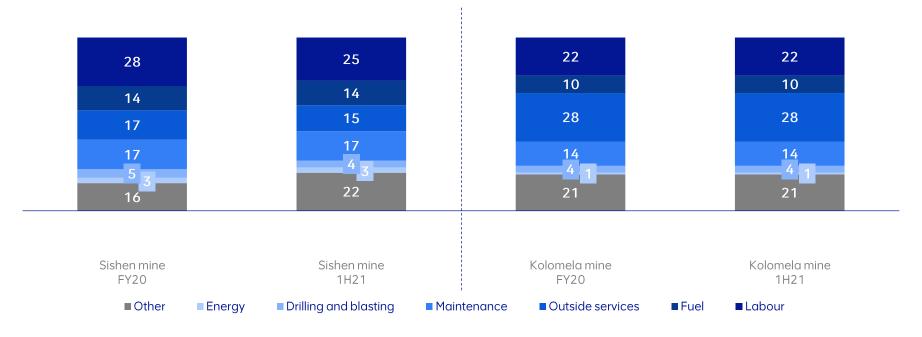
### Sishen and Kolomela mines

#### Unit cash cost structure (R/t)



### Sishen and Kolomela mines

#### Unit cash cost structure (%)

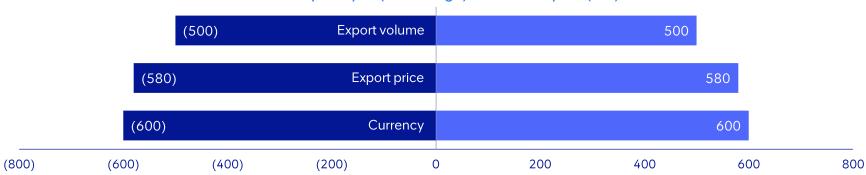


# Capital expenditure | Analysis

Rm	1H21	1H20	FY21e
Approved expansion	622	348	2700-2800
Deferred stripping	942	1 237	1800 – 2000
Sishen	437	854	1 000 – 1 100
Kolomela	505	383	800 – 900
SIB	1 485	1 242	3 200 – 3 400
Sishen	1 035	892	2 400 – 2500
Kolomela	450	350	800 – 900
Unapproved expansion	_	_	_
Total approved and unapproved capital expenditure	3 049	2 827	7 700 – 8 200

### Sensitivity analysis 1H21



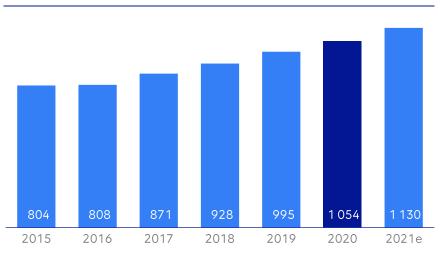


#### Change per unit of key operational drivers, each tested independently

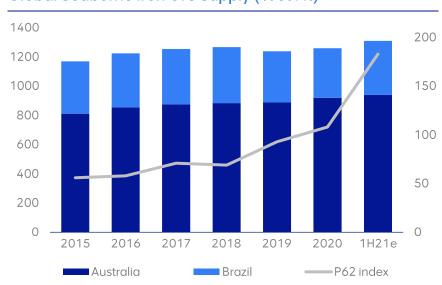
Sensitivity analysis	Unit change	EBITDA impact
Currency (Rand/US\$)	R0.10/US\$	R415m
Export Price (US\$/t)	US\$1.00/t	R265m
Volume (kt)	100kt	R260m
		Breakeven price impact
Currency (Rand/US\$)	R1.00/US\$	US\$4/t

# Markets | China steel production at new record highs

#### China Crude Steel Production (Mt)1



#### Global Seaborne Iron Ore Supply (Wet Mt)



Source: World Steel Association (WSA)

1. Sum of WSA monthly sales: 2021 YTD annualised

### Lump premium sintering closures and tight supply

#### Lump premium and stocks at Chinese ports



#### Platts 62 price (\$/dmt)



Source: Platts, Mysteel

# Image descriptions

Slide 1	Saldanha port: loading vessel
Slide3	Kolomela Mine: conveyor from process plant
Slide 6	Assmang Primary School, Postmasburg
Slide 8	Covid-19 vaccine rollout
Slide 10	Sishen Mine: Ultra-high dense medium separation modular plant (UHDMS)
Slide 11	Sishen Mine: Komatsu 860 haul truck
	Sishen Mine: Jig plant
	Kolomela mine: train at Load Out Station
	Saldanha port at night
	Saldanha port finished stock at port

Saldanha port: loading vessel
Wind turbines for sustainable power generation
Solar panels for sustainable power generation
Kolomela Mine: remote drilling
Kolomela Mine: Virtual reality training
Sishen Mine: Shovel and truck operation
Schematic of a conceptual mine of the future
Woman in mining