### 2016 ANNUAL RESULTS 14 FEBRUARY 2017

**Kumba Iron Ore Limited** 



















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### **AGENDA**

## Introduction / Results overview Themba Mkhwanazi

## **2. Market overview**Themba Mkhwanazi

- **3. Operations**Themba Mkhwanazi
- **4. Financial performance** Frikkie Kotzee
- **5. Strategy and outlook** Themba Mkhwanazi



### **SUMMARY**

Safety a challenge

Need to work to eliminate fatalities

- More robust operating platform in place
  Sishen and Kolomela production above target
  Cost base materially reset
- ✓ Financial health improved

  Higher margins and free cash flow generation

  Strong balance sheet
- ✓ Sishen 21.4% residual mining right awarded
- **✓** Settlement agreement reached with SARS
- Significant further progress required
  Further operational progress essential to contain costs

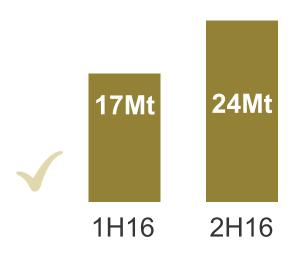


### PATH TO SUSTAINABLE EXCELLENCE IN PERFORMANCE

Understanding challenges	Embedding operating principles	Delivering outcomes	
Safe production	Safety framework	Zero harm	
Mining Waste Strip ratio  Mature operations	Operating performance Continued Operating Model implementation Technology adoption Productivity improvement and benchmarking	Consistent, predictable, high quality operations and premium product	
Cost inflation	Cost control Expense control Capital allocation discipline	Competitive cost position	
Labour environment	People development	Stable workforce and high performance culture	

### Full realisation of resource endowment

### **SOLID RESULTS IN A YEAR OF TRANSITION**



▲ \$64/t
Average price



Improvement in production

**Exceptional** price realisation

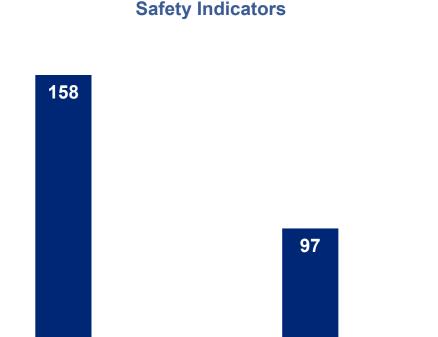
Significant cost reduction

### COST AND CAPEX DISCIPLINE DELIVERING MEANINGFUL GAINS



### SAFETY HAS BEEN A CHALLENGE AND IS OUR HIGHEST PRIORITY

- Regrettably we lost two colleagues in work related fatalities in 1H16
- Concerted efforts invested in eliminating fatalities and preventing injuries
  - Leadership reflections
  - Critical control monitoring and effectiveness
  - Learning from incidents
- Key priorities
  - Achieving a step change in safety performance through the implementation of the elimination of fatalities framework
  - Driving culture change and maintaining employee engagement



2015

■ Total recordable cases

35

2016

■ Lost time injuries

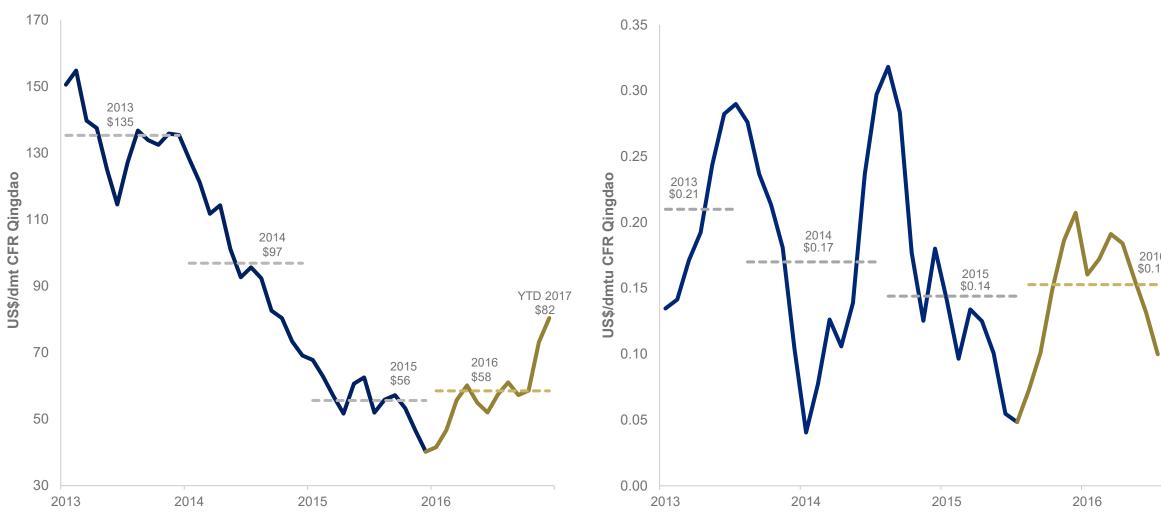




### PRICES RECOVERING FROM PREVIOUS LOWS

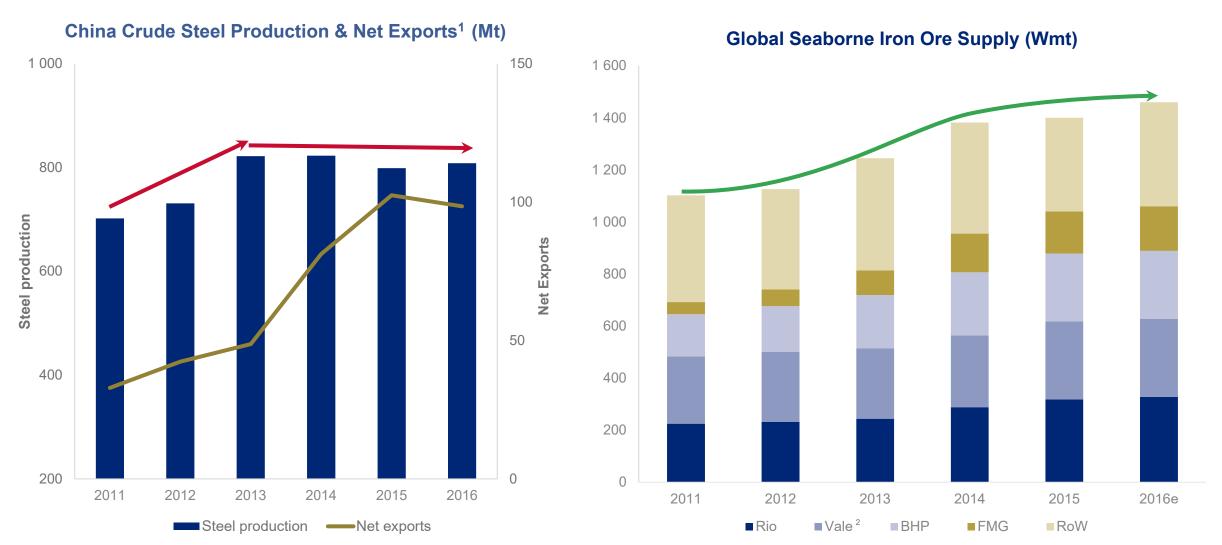


#### **Platts Lump Premium Monthly Average (US\$/dmtu)**



Source: Platts

### LOWER SUPPLY GROWTH AND MODERATING STEEL PRODUCTION

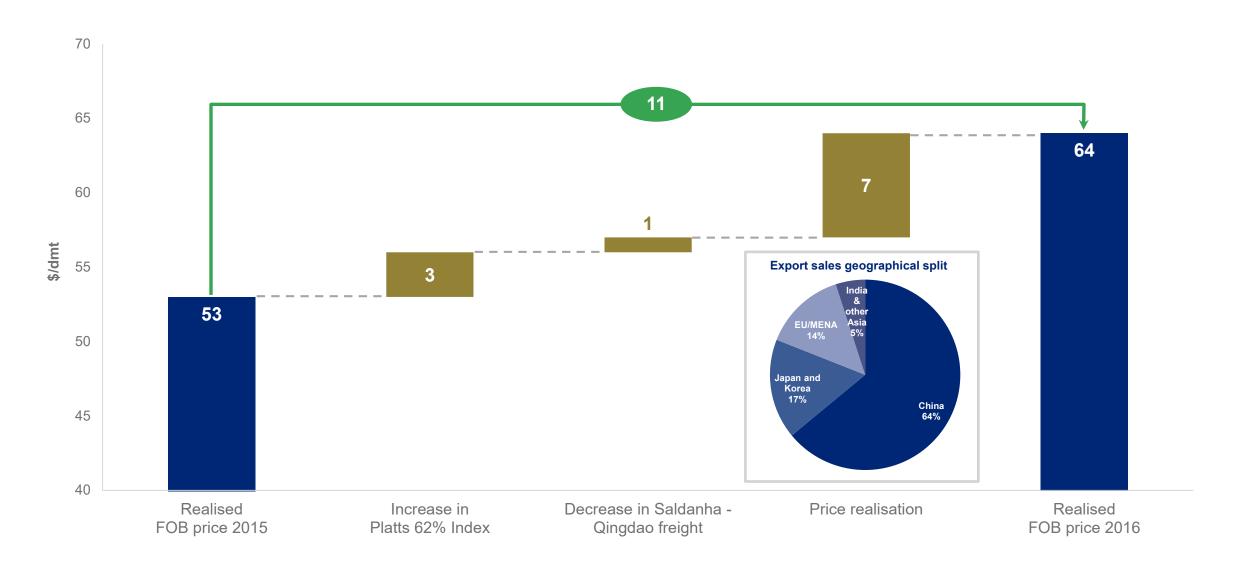


<sup>1.</sup> Crude steel equivalent

Source: Company reports and Kumba marketing

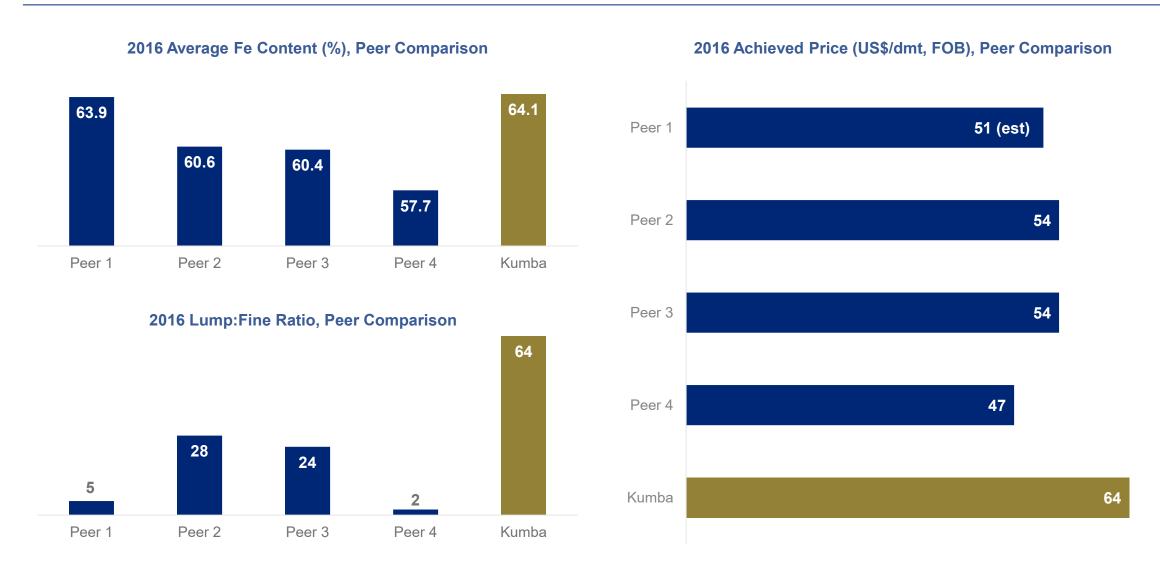
<sup>2.</sup> Vale 3QYTD annualised

### \$11/dmt IMPROVEMENT IN REALISED FOB PRICES



Source: Kumba Marketing

### VALUE GENERATION DUE TO SUPERIOR PRODUCT PORTFOLIO



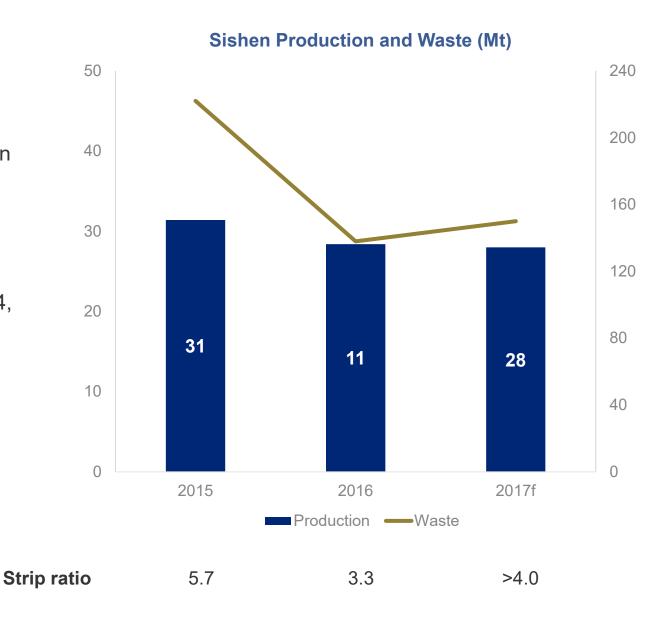
Source: Kumba MI, Company Reports, Woodmac





### SISHEN DELIVERS AGAINST TARGETS DESPITE CHALLENGING 1H16

- Finalised and implemented new mine plan based on lower cost pit shell
- Workforce restructuring completed without interruption
- Mining stable at higher 2H16 run rates
- Full year production of 28.4Mt exceeded guidance
- Guiding 27-28Mt in 2017 as strip ratio increases to >4, LoM strip ratio ~4
- Progress on high return, quick payback projects
- Life of mine increased to 17 years (previously 15 yrs)

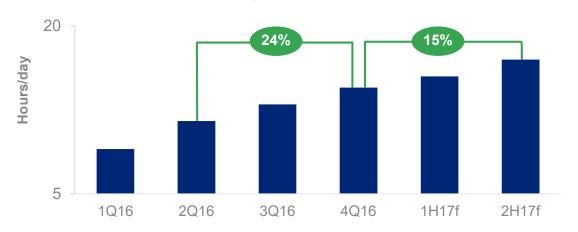


## SISHEN OPERATIONAL EFFICIENCIES ARE CRITICAL TO OFFSET COST INFLATION

- Significant improvement in 2H16
- 4Q16 operated at 1H17 required rates
- Step-up in equipment efficiencies weighted towards 2H17
- Opportunity to reduce costs through improved productivity and efficiency
- Confidence in delivery



#### **Truck Direct Operating Hours (DOH)<sup>2</sup> Performance**

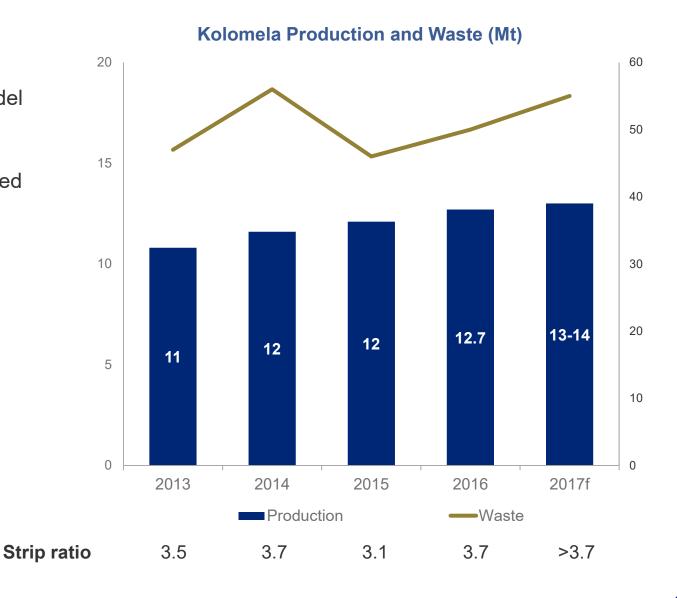


<sup>1.</sup> Shovel Tempo: production rate of shovel; tonnes per hour

<sup>2.</sup> Truck DOH: Time equipment is operational, performing production and non-production activities

### **KOLOMELA POSITIONED TO EXCEED 13Mt IN 2017**

- Full year production of 12.7Mt due continued optimisation and implementation of the operating model at plant
- Waste of 50Mt in line with higher production as planned
- Modular plant commissioned and on track to deliver
   ~0.7Mt in 2017
- Targeting 20% equipment efficiency improvement for 2017 to mitigate cost inflation
- LoM decreases to 18 years (previously 21 yrs) as production ramps up



### **IMPROVED LOGISTICS PERFORMANCE IN 2H16**

- 39.8Mt railed
- Stocks reduced to more optimal level of 3.5Mt, with further reduction of 0.5Mt targeted

Mt	2016	2015	% change	2H16	1H16	% change
Railed to port	39.8	42.4	(6%)	21.5	18.3	17%
Sishen mine (incl. Saldanha Steel)	26.8	30.2	(11%)	15.1	11.7	29%
Kolomela mine	13.0	12.2	7%	6.4	6.6	(3%)
Total sales	42.5	47.8	(11%)	22.3	20.2	10%
Export	39.1	43.5	(10%)	21.0	18.1	16%
Domestic	3.4	4.3	(21%)	1.3	2.1	(38%)
Volume shipped	38.7	43.5	(11%)	20.6	18.1	14%
Finished product inventory	3.5	4.7	(26%)	3.5	2.3	52%

### **OPERATIONAL GUIDANCE FY17**

#### Sishen

- 27–28Mt in 2017 to 2020
- Waste 150–160Mt from 2017 to 2020
- Strip ratio to exceed 4 over the medium term, LoM ~4

#### Kolomela

- 13–14Mtpa in 2017 to 2020
- Waste 50Mt-55Mt from 2017 to 2020
- Strip ratio at ~3.9 in the medium term, LoM ~3.8

#### **Thabazimbi**

Targeting transfer to ArcelorMittal in 1H17

**Total sales 40-42Mt in 2017** 



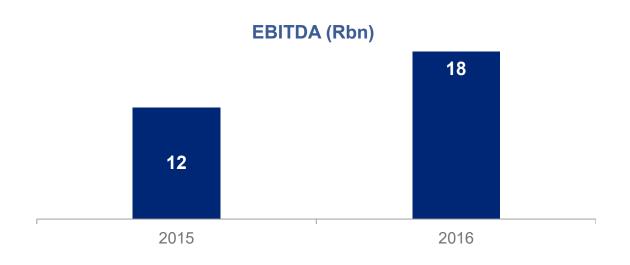


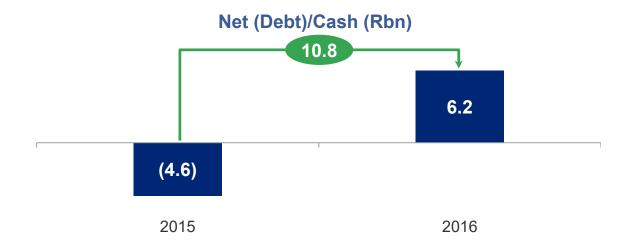


### **FINANCIAL OVERVIEW**

### **FINANCIAL HIGHLIGHTS**

- Substantial improvement of 21% in realised iron ore price to \$64/t
- Revenue increased 13% to R41bn
- Initiatives to lower the cost base deliver results
- Net cash position of R6.2bn
- Headline earnings of R8.7bn up 130%
- Capex of R2.4bn down 65%
- Dividend remains suspended





### **FINANCIAL REVIEW**

Rm	2016 <sup>1</sup>	2015	% change	2H16	1H16 <sup>1</sup>	% change
Revenue	40,767	36,138	13%	22,585	18,182	24%
Operating expenses	(25,451)	(33,494)	(24%)	(12,475)	(12,976)	(4%)
Operating expenses	(24,782)	(30,177)	(18%)	(11,592)	(13,190)	(12%)
Impairment charge	(4)	(5,978)	(100%)	-	(4)	(100%)
Mineral royalty	(986)	(191)	416%	(738)	(248)	198%
Deferred stripping capitalised	321	2,852	(89%)	(145)	466	(131%)
Operating profit (EBIT)	15,316	2,644	479%	10,110	5,206	94%
Operating margin (%) <sup>2</sup>	38	24		45	29	
Headline earnings	8,724	3,792	130%	5,715	3,009	90%
Effective tax rate (%) <sup>3</sup>	26	69		28	23	
Cash generated from operations	17,218	13,841	24%	9,586	7,632	26%

<sup>1.</sup> Including Thabazimbi

<sup>2.</sup> Excluding the impairment charge

<sup>3.</sup> Excluding the mineral royalty

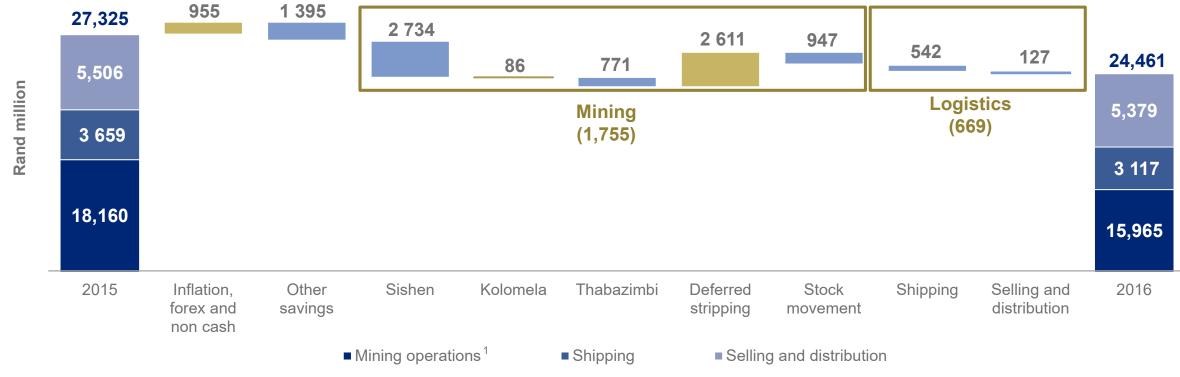
## REVENUE: HIGHER REALISED PRICES PARTIALLY OFFSET BY LOWER VOLUMES

- Revenue increased by 13%
  - 15% weaker average ZAR/\$ exchange rate of R14.69
  - Realised FOB export prices increased by 21% to \$64/t driven by higher spot prices and improved price realisation
  - Total sales volumes decreased by 5.3Mt to 42.5Mt in line with reduced output from reconfigured Sishen pit



### **OPERATING EXPENDITURE**

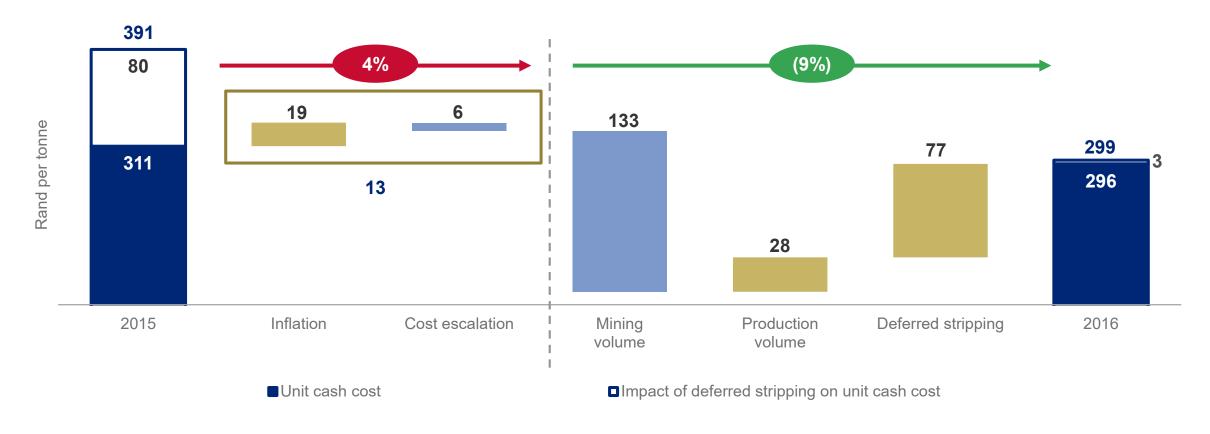
- Mining costs down 17% in real terms largely due to reconfiguration of Sishen pit and closure of Thabazimbi
- Freight rates declined to historical low levels, on average 15% lower from 2015
- Lower deferred stripping capitalisation as Sishen targeting low strip waste areas
- Stocks drawn down to more optimal level of 3.5Mt, targeting 3.0Mt



1. Excluding mineral royalty and impairment charge

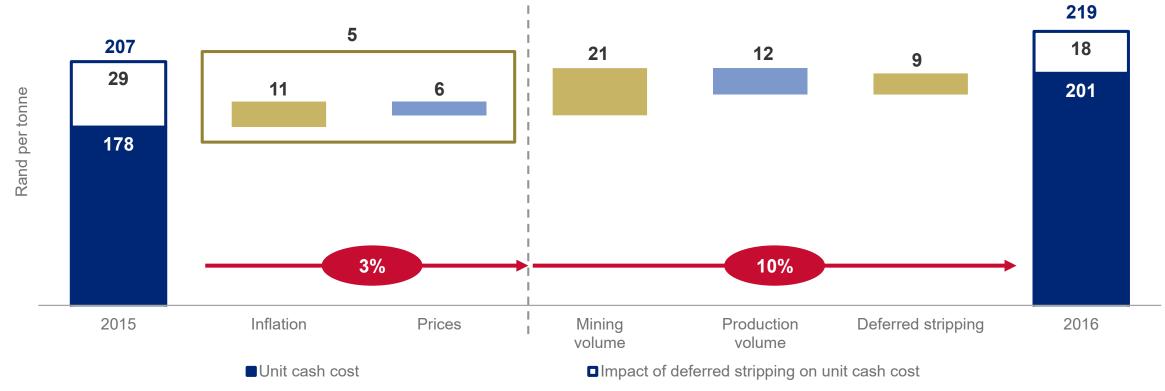
### SISHEN UNIT CASH COST GOOD COST PERFORMANCE IN A YEAR OF SIGNIFICANT CHANGE

- Cost escalation contained below inflation due to lower diesel price and supply chain discipline
- Mining cost benefitted from 85Mt lower mining volumes and overhead cost savings from optimised pit shell
- Impacted negatively by 3Mt lower production volumes
- Lower deferred stripping capitalisation due to reduced strip ratio



## KOLOMELA UNIT CASH COST: MINING AND PRODUCTION VOLUME GROWTH DRIVES UNIT COST PERFORMANCE

- Cost escalation contained at 3%, well below inflation, aided by lower mining input prices and overhead cost savings
- 5Mt ramp-up in mining volumes in support of further production volume growth
- Higher production volumes from increased DSO plant tempos<sup>1</sup> supported unit cost



<sup>1.</sup> Production rate at which the DSO plant runs: tonnes per hour

## CAPITAL GUIDANCE: RE-BASED PIT DESIGN AND CAPITAL DISCIPLINE DRIVES OPTIMISED CAPEX PROFILE

#### 2016

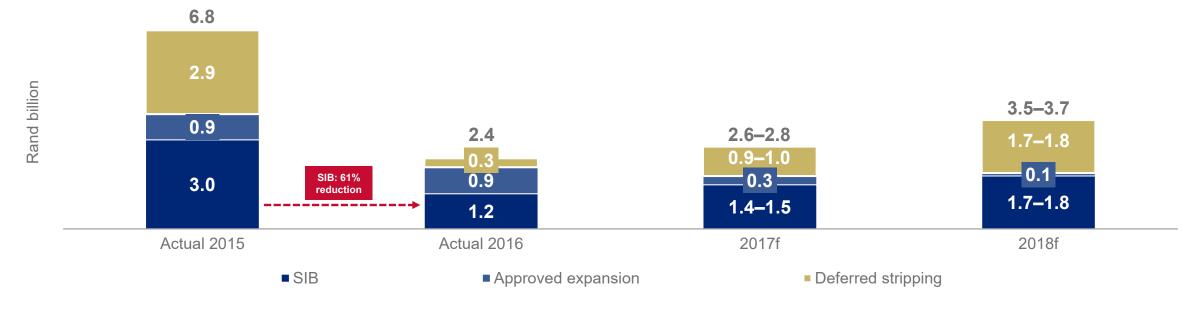
- Significant SIB reduction of ~R2bn (61%), driven by:
  - Completion of Sishen primary fleet renewal
  - Re-scoped infrastructure projects
- Sishen deferred stripping impacted by revised mine plan and mining low strip areas in pit

#### **Medium term**

- Sishen: maintenance of infrastructure in support of revised pit shell and operational efficiencies
- Kolomela: SIB aligned to higher production

#### Long term

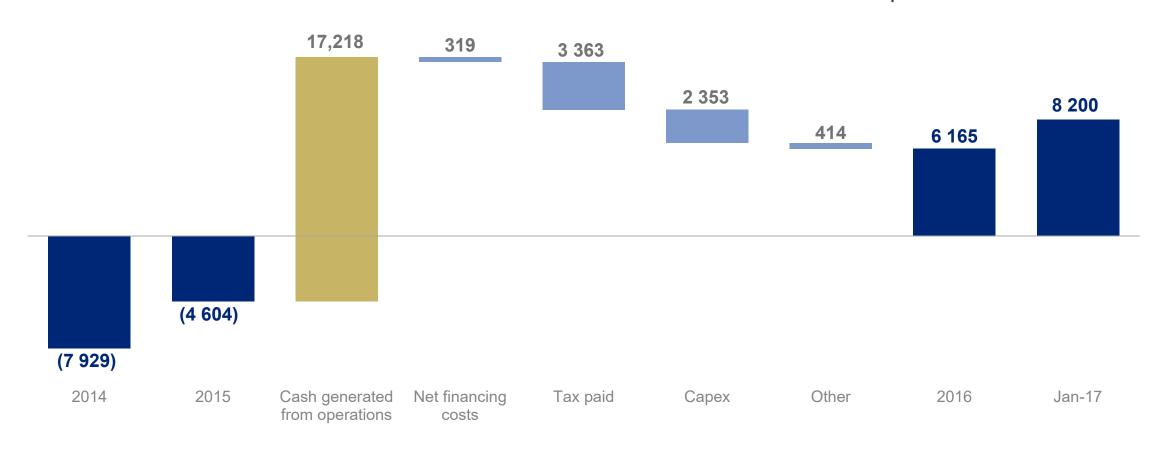
 SIB of ~R2bn p.a. (nominal) expected through the cycle



## STRONG BALANCE SHEET NET CASH POSITION OF R6.2BN

- Significant repositioning of operations has allowed strong cash generation in rebased lower iron ore price environment
- Cash flow supported by optimised capex profile

- Excess cash utilised to pay down debt
  - R4.5bn term facility early-settled post year end
  - R12bn undrawn committed debt facilities
- Dividend reinstatement expected







## OUTLOOK AND STRATEGY

## OUR FUTURE IS DEPENDENT ON OPERATIONAL EXCELLENCE AND EMBRACING TECHNOLOGY FOR GROWTH





2016



Leveraging endowment

Step-up performance

2017

**Medium term** 

Business under pressure

Significant restructuring underway to reduce breakeven price

Restructuring completed

Mining run rates improved

Reduction in breakeven price

Continued implementation of Operating Model and technology rollout

Mitigate inflation and higher waste cost pressures to embed resilient low cost delivery culture

Reinstating dividend

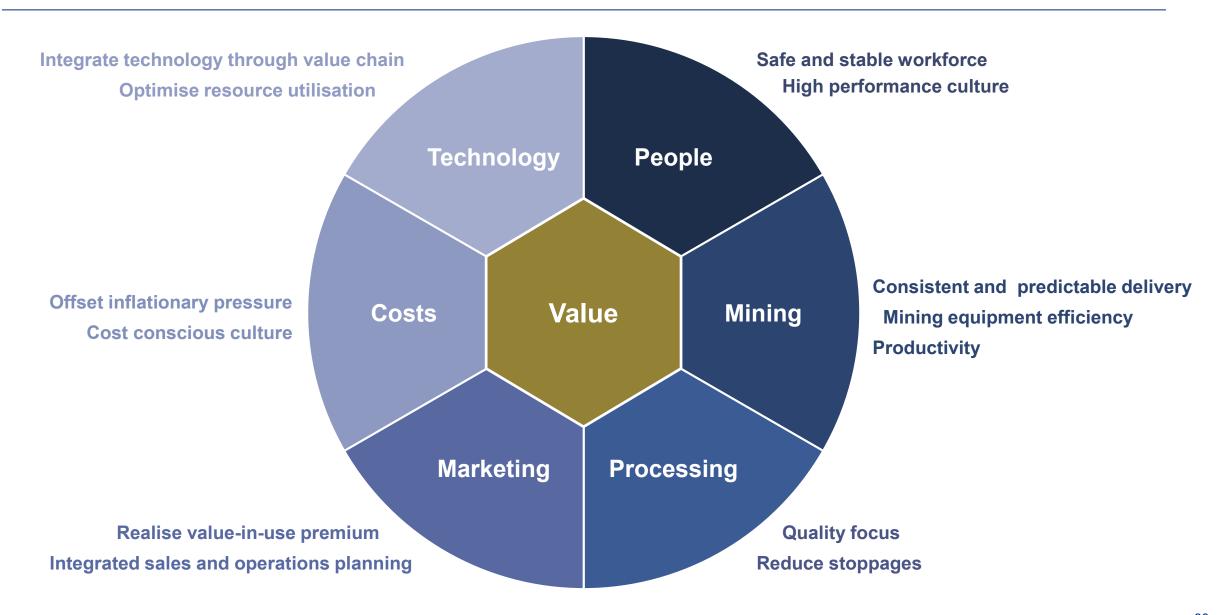
Technology adoption for cost, productivity and safety gains

Sishen upgrade to UHDMS and low grade beneficiation

**Exploration opportunities** 

Value accretive growth options

### MAXIMISING THE RETURN POTENTIAL OF OUR CURRENT ASSETS



## ADOPTING TECHNOLOGY TO IMPROVE SAFETY, EFFICIENCY AND RESOURCE UTILISATION

### **Mining and Plant**

**Industrial IT infrastructure upgrade** 

**Modular Dispatch upgrade** 

**Autonomous drilling** 

**Advanced process control** 

**Autonomous braking for haul trucks** 

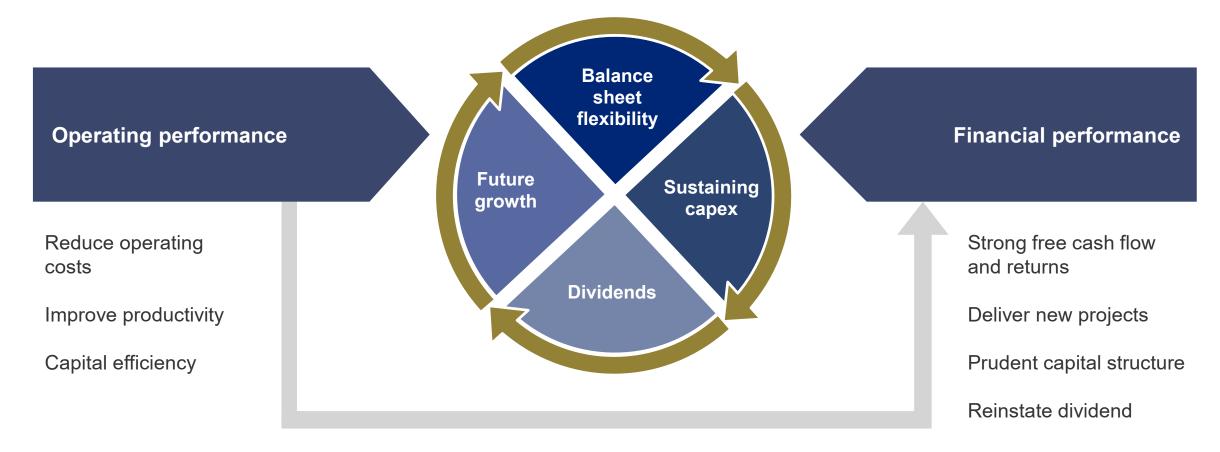
**Drones for aerial surveys** 

#### **Sishen Resource Utilisation**

	Technology	Separation density (g/cc)	In-situ grade cut-off (%Fe)	Estimated Value unlock
1970	DMS	≤ 3.6	>60	2016 Ore Reserves
2009	JIG	~4.2	>48	552Mt <sup>1</sup>
2015	UHDMS	>4.2	>40	2016 Exclusive Mineral Resource 213Mt <sup>2</sup>
Future	Beneficiation		>30	Under investigation <sup>3</sup>

### DISCIPLINED CAPITAL ALLOCATION FRAMEWORK

### **Capital allocation priorities**



### PROGRESSING OUR VALUE ACCRETIVE PROJECT PIPELINE

Kolomela Modular

**Implementation** 

Commissioned and in ramp-up phase

Producing 0.7Mtpa

Sishen 2<sup>nd</sup> Modular plant

**Feasibility** 1 year

Proven technology, low risk

~0.7Mtpa over LoM

Indicative capex ~R400m

Commissioning in 2018

Sishen
DMS upgrade
to UHDMS

Pre-Feasibility 2–3 years

Leveraging low grade technology

213Mt mineral resource declared

First production by 2020

~2Mtpa over LoM

Low capital intensity

Low Grade
Technology and
Exploration

Conceptual ~10 years

Sishen beneficiation options

Northern Cape exploration programme

### **SUMMARY**

**X** Safety a challenge

Need to work to eliminate fatalities

- ✓ More robust operating platform in place
  Sishen and Kolomela production above target
  Cost base materially reset
- ✓ Financial health improved
   Higher margins and free cash flow generation
   Strong balance sheet
- ✓ Sishen 21.4% residual mining right awarded
- **✓** Settlement agreement reached with SARS
- Significant further progress required
  Further operational progress essential to contain costs







### **ANNEXURE 1: REVENUE: SECTOR ANALYSES**

	2016	2015	% change	2H16	1H16	% change
Export (Rm)	35,158	29,571	19%	19,746	15,412	28%
Tonnes sold (Mt)	39.1	43.5	(10%)	21	18.1	16%
US Dollar per tonne	61	53	15%	67	55	22%
Rand per tonne	899	679	32%	940	851	10%
Domestic (Rm)	2,862	3,155	(9%)	1,134	1,728	(34%)
Shipping operations (Rm)	2,747	3,412	(19%)	1,705	1,042	64%
Total revenue	40,767	36,138	13%	22,585	18,182	24%
Rand/US Dollar exchange rate	14.69	12.76	15%	13.98	15.40	(9%)

### **ANNEXURE 2: AGGREGATE OPERATING EXPENDITURE**

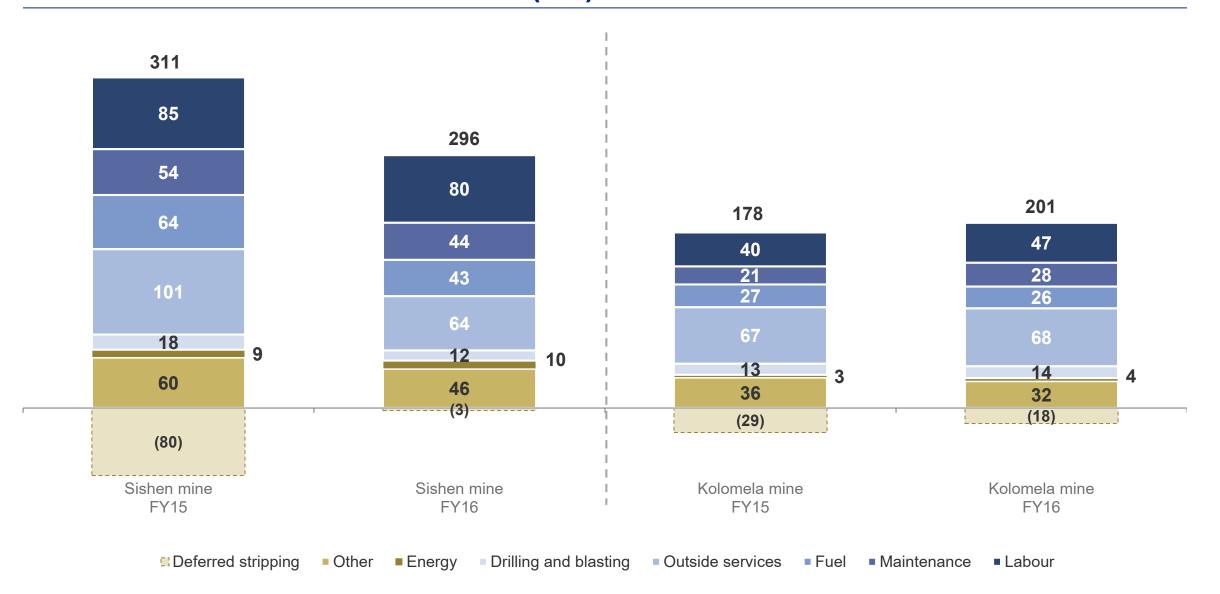
Rm	2016	2015	% change	2H16	1H16	% change
Cost of goods sold	15,965	18,160	(12%)	7,232	8,733	(17%)
Cost of goods produced	15,160	16,541	(8%)	8,037	7,123	13%
Production costs	15,470	16,927	(9%)	8,117	7,353	10%
Sishen mine	11,372	12,776	(11%)	5,845	5,527	6%
Kolomela mine	3,888	3,367	(15%)	2,257	1,631	38%
Thabazimbi mine	195	696	(72%)	8	187	(96%)
Other	15	88	(83%)	7	8	(13%)
Inventory movement WIP	(310)	(386)	20%	(80)	(230)	65%
A grade	118	(368)	132%	116	2	5,700%
B grade	(428)	(18)	(2,278%)	(196)	(232)	16%
Inventory movement finished product	300	1,322	(77%)	(659)	959	(169%)
Corporate support and studies	1,074	1,227	(12%)	566	508	11%
Forex, non-cash and other	(569)	(930)	39%	(712)	143	(598%)
Mineral royalty	986	191	416%	738	248	198%
Impairment charge	4	5,978	(100%)	-	4	(100%)
Selling and distribution	5,379	5,506	(2%)	2,705	2,674	1%
Shipping operations	3,117	3,659	(15%)	1,800	1,317	37%
Operating expenses	25,451	33,494	(24%)	12,475	12,976	(4%)

### **ANNEXURE 3: CAPITAL EXPENDITURE ANALYSES**

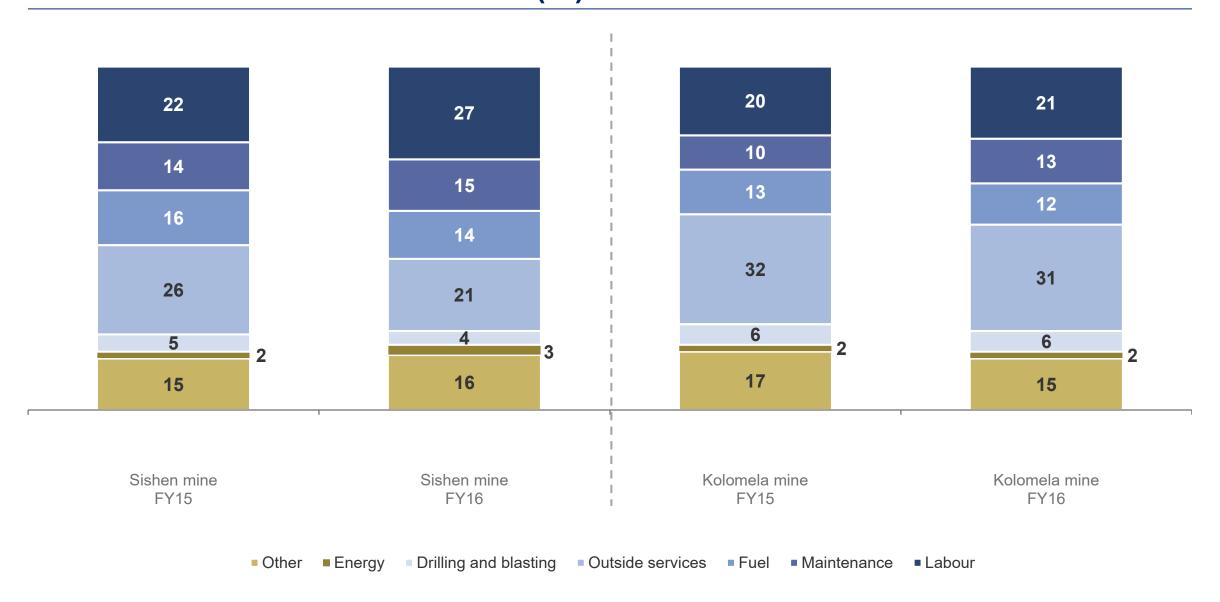
Rm	2015	2016	12 months 31 Dec 2017	12 months 31 Dec 2018	
			Medium te	Medium term forecast	
Approved expansion	870	856	~300	~100	
Deferred stripping	2,852	321	900–1,000	1,700–1,800	
Sishen	2,508	88	600–700	1,400–1,500	
Kolomela	344	233	~300	~300	
SIB Sishen	2,418	875	900–1,000	1,000–1,100	
SIB Kolomela	612	301	~500	~700	
Total approved capital expenditure	6,752	2,353	2,600–2,800	3,500–3,700	
Unapproved expansion <sup>1</sup>	-	-	~200	~400	
Total approved and unapproved capital expenditure	6,752	2,353	2,800-3,000	3,900–4,100	

<sup>1.</sup> Unapproved capex includes high-level estimates for the project pipeline All guidance based on current forecast exchange rates Cash capex depicted in table

# ANNEXURE 4: SISHEN AND KOLOMELA UNIT CASH COST STRUCTURE (R/t)



# ANNEXURE 5: SISHEN AND KOLOMELA MINES' UNIT CASH COST STRUCTURE (%)



### **ANNEXURE 6: OPERATIONAL METRICS**

Sishen Mt	2016	2015	% change	2H16	1H16	% change
Total tonnes mined	178.3	261.4	(32%)	94.6	83.7	13%
Waste mined	137.1	222.2	(38%)	72.2	64.9	11%
Ex-pit ore	41.2	39.2	5%	22.4	18.8	19%
Production	28.4	31.4	(10%)	16.9	11.5	47%
Stripping ratio <sup>1</sup>	3.3	5.7		3.2	3.5	
Finished product inventory (closing)	1.4	1.6		1.4	0.7	
Kolomela						
Total tonnes mined	64.0	60.6	6%	37.3	26.7	40%
Waste mined	50.2	45.7	10%	30.0	20.2	49%
Ex-pit ore	13.8	14.9	(7%)	7.3	6.5	12%
Production	12.7	12.1	5%	6.8	5.9	15%
Stripping ratio <sup>1</sup>	3.7	3.1		4.2	3.2	
Finished product inventory (closing)	0.6	1.2		0.6	0.4	

1. Waste tonnes mined / ex-pit ore

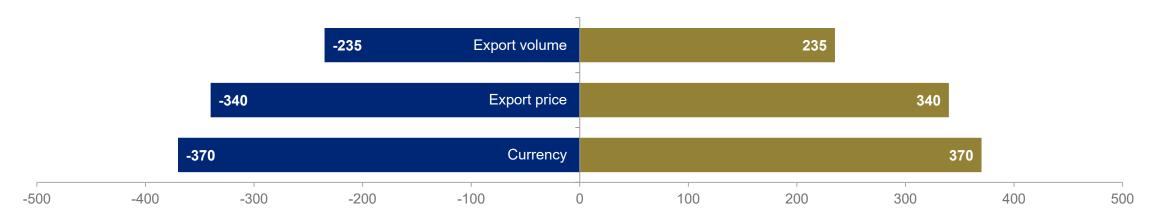
### **ANNEXURE 7: EXPORT SALES AND PRICES**

2016	2015	2014
39.1	43.5	40.5
72	72	72
28	28	28
64	53	91
14	10	10
17	20	21
5	7	12
64	63	57
100	100	100
38.7	43.5	40.1
27.3	29.8	23.0
	39.1 72 28 64 14 17 5 64 100	39.1     43.5       72     72       28     28       64     53       14     10       17     20       5     7       64     63       100     100       38.7     43.5

### **ANNEXURE 8: SENSITIVITY ANALYSIS – FY16**

#### 1% change to key operational drivers

#### Sensitivity analysis (1% change) – EBIT impact (Rm)



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

Sensitivity Analysis	Unit change	EBIT impact	
Currency (ZAR/USD)	R0.10/USD	R250m	
Export Price (USD/tonne)	\$1.00/t	R560m	
Volume (Kt)	100Kt	R60m	
Sensitivity Analysis	Unit change	Breakeven price impact	
Currency (ZAR/USD)	R1.00/\$	\$2.20/tonne	

## FOOTNOTES TO SLIDE 31: ADOPTING TECHNOLOGY TO IMPROVE SAFETY, EFFICIENCY AND RESOURCE UTILISATION

- 1. Sishen Mine Ore Reserve (run-of-mine) estimates as at 31 December 2016 (please refer to R&R Section of 2016 Kumba Integrated Report): 353.8Mt (@55.8% Fe) Proved and 198.4Mt (@ 54.5% Fe) Probable
- 2. Sishen Mine exclusive low-grade Mineral Resource estimates as at 31 December 2016 (apportioned as part of total Sishen mine exclusive Mineral Resources as stated in R&R Section of 2016 Kumba Integrated Report: 48.9Mt Measured (@ 43.4% Fe), 123.1Mt (@ 44.1% Fe) Indicated and 41.3Mt (@ 44.1% Fe) Inferred. Due to the uncertainty that may be attached to some Inferred Mineral Resources, it cannot be assumed that all or part of an Inferred Mineral Resource will necessarily be upgraded to an Indicated or Measured Resource after continued exploration.
- 3. The Sishen Mine future potential is dependent on the company's success in identifying and or developing beneficiation methodologies to beneficiate low-grade Haematitic iron ore material. The low-grade ore (30%≤ %Fe <40%) has already been spatially defined in a classified three-dimensional geological model. No tonnages figures can be quoted at this stage due to the fact that reasonable prospects for eventual economic extraction must still be proved via project studies, especially considering beneficiation methodologies and market requirements, which is at pre-concept level at this point in time.