

		6 months ended December 2016 (H1FY17)	6 months ended June 2016 (H2FY16)	% Variance
Gold produced <sup>1</sup>	– kg	17 227	15 974	8
doid produced	– oz	553 862	513 576	8
Cash operating costs	– R/kg	437 996	413 796	(6)
Cash operating costs	– US\$/oz	974	836	(17)
Gold sold <sup>1</sup>	– kg	16 923	15 900	6
dola sola.	– oz	544 086	511 198	6
Underground grade	– g/t	5.04	4.88	3
Tatal and and tall	– R/kg	522 264	485 175	(8)
Total costs and capital <sup>2</sup>	– US\$/oz	1 162	980	(19)
All in sustaining sosts?	– R/kg	510 506	492 898	(4)
All-in sustaining costs <sup>2</sup>	– US\$/oz	1 136	996	(14)
Cold price received	– R/kg	585 908	605 476	(3)
Gold price received	– US\$/oz	1 303	1 223	7
Due de estica e constit	– R million	2 474	3 092	(20)
Production profit	<ul><li>US\$ million</li></ul>	177	201	(12)
Decis	– SAc/s	352	320	10
Basic earnings/(loss) per share	– USc/s	25	21	19
	– Rm	657	1 412	(53)
Headline earnings/(loss)	– US\$m	47	92	(49)
	– SAc/s	150	324	(54)
Headline earnings/(loss) per share	– USc/s	11	21	(48)
Exchange rate	- R/US\$	13.98	15.39	(9)

<sup>1</sup>Includes production for Hidden Valley attributable to Stage 5 & 6 capitalised for H1FY17: 81 kilograms (2 618 ounces). <sup>2</sup>Re-stated to include capitalised stripping.

Harmony Gold Mining Company Limited ("Harmony" or "Company") Incorporated in the Republic of South Africa Registration number 1950/038232/06 JSE share code: HAR NYSE share code: HMY ISIN: ZAE000015228

# HARMONY'S ANNUAL REPORTS

Harmony's Integrated Annual Report and the Form 20F with the United States' Securities and Exchange Commission for the financial year ended 30 June 2016 are available on our website (www.harmony.co.za/investors).

# SHAREHOLDER INFORMATION

# CONTACT DETAILS

Issued ordinary share capital at 31 December 2016	439 787 199
Issued ordinary share capital at 30 June 2016	437 299 479
MARKET CAPITALISATION	
At 31 December 2016 (ZARm)	13 866
At 31 December 2016 (US\$m)	1 014
At 30 June 2016 (ZARm)	22 945
At 30 June 2016 (US\$m)	1 567
HARMONY ORDINARY SHARES AND ADR PRICES	
12-month high (1 January 2016 $-$ 31 December 2016) for ordinary shares	67.00
12-month low (1 January 2016 – 31 December 2016) for ordinary shares	15.20
12-month high (1 January 2016 – 31 December 2016) for ADRs	4.81
12-month low (1 January 2016 – 31 December 2016) for ADRs	1.06
FREE FLOAT	100%
ADR RATIO	1:1
JSE LIMITED	HAR
Range for six months (1 July – 31 December 2016 closing prices)	R25.87 – R67.00
Average daily volume for the six months (1 July – 31 December 2016)	2 122 890 shares
Range for previous six months (1 January – 30 June 2016 closing prices)	R15.20 – R62.89
Average daily volume for the previous six months (1 January – 30 June 2016)	2 935 000 shares
NEW YORK STOCK EXCHANGE including other US trading platforms	НМҮ
Range for six months (1 July – 31 December 2016 closing prices)	US\$1.89 – US\$4.81
Average daily volume for the six months (1 July – 31 December 2016)	5 032 529 ADRs
Range for previous six months (1 January – 30 June 2016 closing prices)	US\$1.06 – US\$4.17
Average daily volume for the previous six months (1 January – 30 June 2016)	5 233 520 ADRs
INVESTORS' CALENDAR	
FY 17 year end results	17 August 2017
Annual general meeting	23 November 2017

# **CORPORATE OFFICE**

Randfontein Office Park

PO Box 2, Randfontein, 1760, South Africa Corner Main Reef Road and Ward Avenue Randfontein, 1759, South Africa

Telephone: +27 11 411 2000 Website: www.harmony.co.za

# **DIRECTORS**

PT Motsepe\* (chairman) FFT De Buck\*^ (lead independent director) JM Motloba\*^ (deputy chairman) PW Steenkamp (chief executive officer)

F Abbott (financial director)

JA Chissano\*1^, KV Dicks\*^, Dr DSS Lushaba\*^ CE Markus\*^, HE Mashego\*\*, M Msimang\*^
KT Nondumo\*^, VP Pillay\*^, JL Wetton\*^, AJ Wilkens\*

- \* Non-executive
- \*\* Executive
- ^ Independent
- 1 Mozambican

# **INVESTOR RELATIONS**

E-mail: harmonyIR@harmony.co.za

# Marian van der Walt

Executive: Corporate and Investor Relations

Telephone: +27 11 411 2037 Fax: +27 86 614 0999 Mobile: +27 82 888 1242 E-mail: marian@harmony.co.za

# COMPANY SECRETARY

## Riana Bisschoff

Telephone: +27 11 411 6020 Fax: +27 11 696 9734 Mobile: +27 83 629 4706

E-mail: riana.bisschoff@harmony.co.za

# TRANSFER SECRETARIES

# Link Market Services South Africa (Proprietary) Limited

(Registration number 2000/007239/07)

13th Floor, Rennie House, Ameshoff Street, Braamfontein PO Box 4844, Johannesburg, 2000, South Africa

Telephone: +27 86 154 6572

E-mail: info@linkmarketservices.co.za

Fax: +27 86 674 2450

# **ADR\* DEPOSITARY**

# **Deutsche Bank Trust Company Americas** c/o American Stock Transfer and Trust Company

Peck Slip Station

PO Box 2050, New York, NY 10272-2050 E-mail queries: db@amstock.com

Toll free: +1-800-937-5449

Int: +1-718-921-8137 Fax: +1-718-765-8782

\*ADR: American Depositary Receipts

# **SPONSOR**

# JP Morgan Equities South Africa (Pty) Ltd

1 Fricker Road, corner Hurlingham Road Illovo, Johannesburg, 2196

Private Bag X9936, Sandton, 2146 Telephone: +27 11 507 0300

# Fax: +27 11 507 0503 TRADING SYMBOLS

JSE Limited: HAR

New York Stock Exchange, Inc.: HMY Berlin Stock Exchange: HAM1

# **REGISTRATION NUMBER:**

1950/038232/06

Incorporated in the Republic of South Africa

ZAE 000015228



# FORWARD-LOOKING STATEMENTS

This report contains forward-looking statements within the meaning of the safe harbour provided by Section 21E of the Securities Exchange Act of 1934, as amended, and Section 27A of the Securities Act of 1933, as amended, with respect to our financial condition, results of operations, business strategies, operating efficiencies, competitive positions, growth opportunities for existing services, plans and objectives of management, markets for stock and other matters. These include all statements other than statements of historical fact, including, without limitation, any statements proceeded by, followed by, or that include the words "targets", "believes", "expects", "aims" "intends" "will", "may", "anticipates", "would", "should", "could", "estimates", "forecast", "predict", "continue" or similar expressions or the negative thereof.

These forward-looking statements, including, among others, those relating to our future business prospects, revenues and income, wherever they may occur in this report and the exhibits to this report, are essentially estimates reflecting the best judgment of our senior management and involve a number of risks and uncertainties that could cause actual results to differ materially from those suggested by the forward-looking statements. As a consequence, these forward-looking statements should be considered in light of various important factors, including those set forth in this report. Important factors that could cause actual results to differ materially from estimates or projections contained in the forward-looking statements include, without limitation: overall economic and business conditions in South Africa, Papua New Guinea, Australia and elsewhere, estimates of future earnings, and the sensitivity of earnings to the gold and other metals prices, estimates of future gold and other metals production and sales, estimates of future cash costs, estimates of future cash flows, and the sensitivity of cash flows to the gold and other metals prices, statements regarding future debt repayments, estimates of future capital expenditures, the success of our business strategy, development activities and other initiatives, estimates of reserves statements regarding future exploration results and the replacement of reserves, the ability to achieve anticipated efficiencies and other cost savings in connection with past and future acquisitions, fluctuations in the market price of gold, the occurrence of hazards associated with underground and surface gold mining, the occurrence of labour disruptions, power cost increases as well as power stoppages, fluctuations and usage constraints, supply chain shortages and increases in the prices of production imports, availability, terms and deployment of capital, changes in government regulation, particularly mining rights and environmental regulation, fluctuations in exchange rates, the adequacy of the group's insurance coverage and socio-economic or political instability in South Africa and Papua New Guinea and other countries in which we operate.

For a more detailed discussion of such risks and other factors (such as availability of credit or other sources of financing), see the company's latest Integrated Annual Report on Form 20-F which is on file with the Securities and Exchange Commission, as well as the Company's other Securities and Exchange Commission filings. The company undertakes no obligation to update publicly or release any revisions to these forward-looking statements to reflect events or circumstances after the date of this annual report or to reflect the occurrence of unanticipated events, except as required by law.

# COMPETENT PERSON'S DECLARATION

In South Africa, Harmony employs an ore reserve manager at each of its operations who takes responsibility for the compilation and reporting of mineral resources and mineral reserves at their operations. In Papua New Guinea, competent persons are appointed for the mineral resources and mineral reserves for specific projects and operations.

The mineral resources and mineral reserves in this report are based on information compiled by the following competent persons:

# **Resources and reserves of South Africa:**

Jaco Boshoff, BSc (Hons), MSc, MBA, Pr. Sci. Nat, MSAIMM, MGSSA, who has 21 years' relevant experience and is registered with the South African Council for Natural Scientific Professions (SACNASP) and a member of the South African Institute of Mining and Metallurgy (SAIMM).

Mr Boshoff is Harmony's Lead Competent Person.

# **Jaco Boshoff**

# **Physical address:**

Randfontein Office park Corner of Main Reef Road and Ward Avenue Randfontein South Africa

# **Postal address:**

PO Box 2 Randfontein 1760 South Africa

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# Resources and reserves of Papua New Guinea:

Gregory Job, BSc, MSc, who has 28 years' relevant experience and is a member of the Australian Institute of Mining and Metallurgy (AusIMM).

# **Greg Job**

# **Physical address:**

Level 2 189 Coronation Drive Milton, Queensland 4064 Australia

# **Postal address:**

PO Box 1562 Milton, Queensland 4064 Australia

Both these competent persons, who are full-time employees of Harmony Gold Mining Company Limited, consent to the inclusion in the report of the matters based on the information in the form and context in which it appears.

# MESSAGE FROM THE CHIEF EXECUTIVE OFFICER

We achieved all we set out to in the six months from 1 July 2016 to 31 December 2016. We improved our safety performance and increased production. Safe mines are profitable mines and profitable mines strengthen our margins.

# **SAFETY**

Despite a significant improvement in our fatality injury frequency rate quarter on quarter and half year on half year, it is with deep regret that we report three fatalities in the past six months.

Our underground South African operations recorded a fatality free quarter for the three months to December 2016, which was a notable achievement. For the six months from 1 July 2016 to 31 December 2016, Harmony's fatality injury frequency rate of 0.08 was lower than the previous six month period's rate of 0.10 and lower than the combined rate (0.10) for the main gold producers in South Africa.

Tshepong achieved its first ever 2.5 million fatality-free shifts (FFS) on 27 October 2016, equivalent to 794 days without a fatality. Doornkop achieved its first ever 2 million FFS on 17 December 2016, which equates to 872 days free of fatalities. The Free State Surface Sources reported 3.5 million FFS on 16 November 2016 (equivalent to 159 months without a fatality or just more than 13 years).

Important to note is that safety is being taken extremely serious in our company. Each person is bound by our safety pledge. Our number of white flag days is a good indication of where our safety efforts need to increase. A white flag day is one where no one suffered an injury at the mine during the course of one working day.

The following operations recorded white flag (injury free) months:

- Unisel in December 2016
- Bambanani in September 2016, November 2016 and December 2016
- Joel in October 2016

# **OPERATIONAL RESULTS - 6 months on 6 months**

Gold production for the six months ended 31 December 2016 increased by 8% to 17 227kg (553 862 oz), compared to 15 974kg (513 576oz) for the six months ended June 2016. All-in sustaining costs for all operations increased by only 4% to R510 506/kg (14% to US\$1 136/oz).

Gold production increased at the following operations:

- Kusasalethu (+307kg, 9 871oz): gold production increased by 16%, mainly due to a 13% (37 000t) increase in tonnes milled, supported by a 3% increase in the recovered grade to 6.75g/t (June 2016: 6.55g/t)
- Bambanani (+263kg, 8 456oz): tonnes milled increased by 16% (17 000t) while the recovered grade improved by 5% to 12.03g/t (June 2016: 11.48g/t), resulting in a 22% increase in gold produced
- Phakisa (+217kg, 6 977oz): gold production increased by 11%, due mainly to a 6% increase in the recovered grade to 6.33g/t (June 2016: 5.95g/t). Tonnes milled improved by 4% (14 000t)
- Joel (+212kg, 6 816oz): an 18% increase in the recovered grade to 4.84g/t (June 2016: 4.11g/t), combined with a 2% increase in tonnes milled, resulted in a 20% increase in gold produced.

- Unisel (+183kg, 5 884oz): a 24% increase in gold production was due to a 15% increase in the recovered grade to 4.37g/t (June 2016: 3.79g/t). Tonnes milled, increased by 7% or 15 000t
- Masimong (+133kg, 4 277oz): tonnes milled increased by 10% (30 000t) and recovered grade increased by 2% to 3.72g/t (June 2016: 3.65g/t), resulting in a 12% increase in gold production
- Phoenix (+82kg, 2 637oz): gold production increased by 21% due mainly to a 17% increase in the recovered grade to 0.14g/t (June 2016: 0.12g/t). Tonnes milled increased 7% (231 000t)
- Kalgold (+78kg, 2 508oz) the recovered grade increased to 0.81g/t (June 2016: 0.71g/t), resulting in a 15% increase in gold produced
- Hidden Valley: 1.2Mt were milled, an increase of 24% on the previous six months. This was partly offset by a 17% decline in the recovered grade to 1.15g/t, resulting in a 39kg (1 253oz) (3%) increase in gold produced

The following operations, where production declined, require more attention:

- Target 1 (–148kg, 4 759oz): Production was severely affected by unstable ground conditions which hampered further mining in the higher grade areas. The 11% decrease in gold production was mainly due to a 17% decrease in the recovered grade to 3.00g/t (June 2016: 3.62g/t). Additional geological infill drilling indicates that we will not meet the mine's existing plan for FY17. We will implement a narrow reef mining method to access the higher-grade ore, with expected production to be about 250kg per month. To this end, a zero-based costing exercise has begun to identify opportunities to return the mine to profitability and to ensure an acceptable operating margin at a reduced production profile
- Tshepong (-67kg, 2 154oz): Tonnes milled declined by 17 000t resulting in a 3% decrease in gold production
- Doornkop (-38kg, 1 222oz): A 3% decrease in the recovered grade to 4.16g/t (June 2016: 4.29g/t) resulted in a 3% decrease in gold produced

# **HIDDEN VALLEY - progress in line with plan**

Since acquiring Hidden Valley, we have made good progress in positioning the mine for growth. Waste stripping at Stage 5 has commenced and we have invested in additional and replacement mobile fleet (9 additional mining trucks were ordered). We are currently processing the Hamata ore and stockpiles until June 2017, followed by a five-month mill shut-down. During the shut-down we plan to do plant maintenance and attend to upgrade projects.

The total re-investment capital will be net US\$180 million (US\$70 million in FY17 and US\$110 million in FY18). Commercial levels of production post pre-strip is estimated to be achieved in the June quarter of calendar year 2018, with steady state production thereafter of about 180 000oz of gold and 3Moz of silver.

Planned life-of-mine information is as follows:

- Production to be 1.2Moz of gold (after re-investment 1 Moz of gold) and 18Moz of silver (after re-investment 16 Moz of silver)
- Recovered gold grade of between 1.4g/t to 1.5g/t and silver at approximately 20g/t to 23g/t
- Milling rate of approximately 4Mt per annum
- Mining rate ramps up to 28Mt per annum
- Life of mine all-in sustaining cash cost post re-investment (real) ranging from US\$850/oz to US\$950/oz on average

A regional exploration programme has commenced proximate to the Hidden Valley mine. In addition, during FY18 a prefeasibility study will commence to underpin a possible further 7 year mine life extension through a further cutback on the Hidden Valley Kaveroi orebody.

Hidden Valley is an asset that we are familiar with - we know the ore body, have strong relationships with government and the communities and have a robust re-investment plan that will generate a return for our shareholders.

# **FINANCIAL RESULTS**

The higher Rand gold and US dollar gold price received over the last year has improved the profitability of our operations and enabled the company to enter into favourable hedging arrangements. Combined with producing safe, profitable ounces, we also focus on prudent cash management.

# H1FY17 to H2FY16

The average spot gold price during the six months ended December 2016 was R569 241/kg, 6% lower than the R605 476/kg recorded in the previous six months. During the six months to December 2016 the rand strengthened by 9% against the US dollar from an average of R15.39/US\$ in the six months ended June 2016 to an average of R13.98/US\$. The average US dollar gold price for the six months ended December 2016 increased 4% to US\$1 266/oz (June 2016: US\$1 223/oz). After accounting for R233 million (US\$17 million) realised profits resulting from the gold hedge, the average gold price received increased to R585 908/kg (US\$1 303/oz) for the six months ended December 2016.

Revenue including the gold hedge increased by 3% to R9.868 billion (13% to US\$706 million) in the six months ended 31 December 2016.

Total production profit decreased to R2.474 billion (US\$177 million), from R3.092 billion (US\$201 million) in H2FY16 after accounting for a 14% increase in cash operating costs. Operating costs were higher due to the inclusion of 100% of Hidden Valley as from 26 October 2016 and increases in labour costs, electricity tariffs and royalty costs at our South African operations.

All-in sustaining costs (AISC) for all operations increased by 4% to R510 506/kg in H1FY17, compared to R492 898/kg in H2FY16 (increased by 14% to US\$1 136/oz compared to US\$996/oz in H2FY16)

All-in sustaining costs (AISC) for the South African operations increased by 1% to R505 795/kg (11% to US\$1 125/oz) compared

All-in sustaining costs (AISC) for Hidden Valley increased to R567 012/kg (US\$1 264/oz) compared to H2FY16: R429 121/kg (46% to US\$867/oz), mainly due to processing the lower grade stockpiles.

A net profit of R1.5 billion (US\$111 million) was recorded in the six months ended 31 December 2016 compared to a net profit of R1.4 billion (US\$89 million) recorded in the six months ended 30 June 2016

Headline earnings amounted to 150 SA cents per share (11 US cents per share) compared to headline earnings of 324 SA cents per share (21 US cents per share) for the six months ended 30 June 2016.

# Accounting for the Hidden Valley transaction

Following the completion of the Hidden Valley transaction, 100% of the operation's income, expenses, assets and liabilities were accounted for from the 26th of October 2016. A gain on purchase of R848 million (US\$61 million) was recorded. Refer to note 4 for further details.

# Net debt

Positive cash flow generation from our operations enabled the company to pay a dividend<sup>1</sup> of R218 million (US\$16 million) in September 2016 and reduce net debt from R1.1 billion (US\$74 million) at the end of 30 June 2016 to R289 million (US\$21 million) at the end of 31 December 2016. Refer to note 8 for further details related to borrowings at 31 December 2016.

# **HEDGING ACTIVITY**

# **Currency hedging**

The foreign currency hedging is in the form of zero cost collars, which establish a minimum (floor) and maximum (cap) rand/US dollar exchange rate at which to convert US dollars to rands. The nominal value of the hedging contracts as at 31 December 2016 is US\$442 million. The hedging contracts are spread over a 12 month period, and are summarised as follows:

	FY17 Q3	FY17 Q4	FY18 Q1	FY18 Q2
Sold call options				
Nominal	US\$112m	US\$146m	US\$111m	US\$73m
Average strike price	R18.59	R17.38	R16.28	R16.22
Lowest strike price	R17.93	R16.21	R16.20	R16.20
Highest strike price	R19.08	R18.28	R16.50	R16.30
Purchased put option				
Nominal	US\$112m	US\$146m	US\$111m	US\$73m
Average strike price	R15.56	R15.47	R14.98	R15.00
Lowest strike price	R15.40	R14.85	R14.85	R15.00
Highest strike price	R15.80	R16.10	R15.15	R15.00

The realised gain from contracts maturing in the six months to 31 December 2016 amounted to R394 million (US\$28 million).

<sup>1</sup> Dividend of 50 SA cents (4 US cents) declared for the year ended 30 June 2016.

# MESSAGE FROM THE CHIEF EXECUTIVE OFFICER (CONTINUED)

# **Gold hedging**

Gold hedging is in the form of short-term gold forward sale contracts with a maximum term of 24 months. The nominal value hedged as at 31 December 2016 was 370 000 ounces, representing approximately 20% of our total production. The breakdown of gold forward sale contracts entered into are as follows:

		Q1	Q2	Q3	Q4
FY 2017	Kg's			1 680	1 680
	Average R/kg			R660 632/kg	R673 143/kg
FY 2018	Kg's	1 680	1 680	1 680	1 680
	Average R/kg	R686 131/kg	R699 540/kg	R712 982/kg	R727 765/kg
FY 2019	Kg's	1 431			
	Average R/kg	R709 785/kg			

During the six months ended 31 December 2016 a gain of R233 million (US\$17 million) was realised on the contracts that matured and is included in revenue. Cash flow hedge accounting is applied to the contracts.

Refer to note 3 and 7 for further details.

# **GOLPU**

The Wafi-Golpu Joint Venture parties continued to work with the Papua New Guinea Government to advance our application for a special mining lease for the Wafi-Golpu project. Work continued during the first half of the financial year on those areas identified in the forward work plan.

# **DIVIDEND**

Our strategy to mine safe, profitable ounces and increase our margins is paying off. As a result, the board has decided to return cash to shareholders and they have approved a 50 SA cents (4 US cents) dividend. See page 7 for details.

# **CONCLUSION**

We believe it is important to continue to strengthen our cash flow, to pay dividends and to finance our growth ambitions, and to ensure that Harmony's share price correctly reflects its true value. It is important that shareholders acknowledge that Harmony has a sustainable investment case based on prudent financial planning and capital allocation that is aimed at enhancing the value of our portfolio.

Although the March quarter is traditionally a difficult production quarter due to the slow start-up after the festive season, we believe that our annual guidance of approximately 1 050 000oz of gold at a cash cost of about \$1 100/oz (~R495 000/kg at an exchange rate of R14.00) is achievable.

We will continue our strong operational performance and create further value uplift.

# **Peter Steenkamp**

Chief Executive Officer

# **NOTICE OF CASH DIVIDEND**

Our dividend declaration for the six months ending 31 December 2016 is as follows:

# **NOTICE OF CASH DIVIDEND**

# Declaration of ordinary dividend no. 87

The board has approved and declared an interim dividend of 50 SA cents (4 US cents) per ordinary share in respect of the six months ended 31 December 2016.

In accordance with paragraphs 11.17(a)(i) to (x) and 11.17(c) of the JSE Listings Requirements the following additional information is disclosed:

- The dividend has been declared out of income reserves;
- The local Dividends Tax rate is 15% (fifteen per centum);
- The gross local dividend amount is 50 SA cents per ordinary share for shareholders exempt from the Dividends Tax;
- The net local dividend amount is 42.5 SA cents per ordinary share for shareholders liable to pay the Dividends Tax;
- Harmony currently has 439 787 199 ordinary shares in issue (which includes 559 519 treasury shares); and
- Harmony Gold Mining Company Limited's income tax reference number is 9240/012/60/0.

A dividend No. 87 of 50 SA cents per ordinary share, being the dividend for the six months ended 31 December 2016, has been declared payable on Monday, 20 March 2017 to those shareholders recorded in the books of the company at the close of business on Friday, 17 March 2017. The dividend is declared in the currency of the Republic of South Africa. Any change in address or dividend instruction to apply to this dividend must be received by the company's transfer secretaries or registrar not later than Friday, 17 March 2017.

Last date to trade ordinary shares cum dividend is	Tuesday, 14 March 2017
Ordinary shares trade ex-dividend	Wednesday, 15 March 2017
Record date	Friday, 17 March 2017
Payment date	Monday, 20 March 2017

No dematerialisation or rematerialisation of share certificates may occur between Wednesday, 15 March 2017 and Friday, 17 March 2017, both dates inclusive, nor may any transfers between registers take place during this period.

# **OPERATING RESULTS – SIX MONTHLY (RAND/METRIC)**

									South Africa	
								Undergrou	nd production	
		Six								
		months								
		ended	Tshepong	Phakisa	Bambanani	Joel	Doornkop	Target 1	Kusasalethu	
Ore milled	– t′000	Dec-16	518	344	123	268	317	384	323	
Ore milieu	- 1 000	Jun-16	535	330	106	264	316	359	286	
Yield	– g/tonne	Dec-16	4.71	6.33	12.03	4.84	4.16	3.00	6.75	
Tielu	- g/ torrile	Jun-16	4.68	5.95	11.48	4.11	4.29	3.62	6.55	
Gold produced <sup>1</sup>	– kg	Dec-16	2 439	2 179	1 480	1 298	1 318	1 151	2 181	
doid produced	- kg	Jun-16	2 506	1 962	1 217	1 086	1 356	1 299	1 874	
Gold sold <sup>1</sup>	– kg	Dec-16	2 393	2 139	1 452	1 313	1 324	1 124	2 131	
doid sold	- kg	Jun-16	2 496	1 955	1 212	1 008	1 314	1 323	1 806	
Gold price	– R/kg	Dec-16	586 751	587 747	587 059	588 313	588 388	584 472	592 875	
received	- n/kg	Jun-16	606 220	605 947	605 564	605 463	604 164	605 233	605 817	
Revenue	(R'000)	Dec-16	1 404 096	1 257 191	852 409	772 455	779 026	656 946	1 263 416	
Revenue	(K 000)	Jun-16	1 513 124	1 184 626	733 943	610 307	793 872	800 723	1 094 106	
Cash operating	(R'000)	Dec-16	1 035 403	844 533	449 586	484 024	597 771	669 110	1 037 058	
cost	(N 000)	Jun-16	949 067	705 746	402 786	425 489	533 348	615 907	924 771	
Inventory	(R'000)	Dec-16	(19 244)	(17 589)	(14 363)	5 706	1 479	(10 405)	(15 981)	
movement	(N 000)	Jun-16	(7 011)	(4 988)	(977)	(33 734)	(25 720)	632	(43 481)	
Onerating sects	(R'000)	Dec-16	1 016 159	826 944	435 223	489 730	599 250	658 705	1 021 077	
Operating costs	(K 000)	Jun-16	942 056	700 758	401 809	391 755	507 628	616 539	881 290	
Production profit	(R'000)	Dec-16	387 937	430 247	417 186	282 725	179 776	(1 759)	242 339	
Production profit	(N 000)	Jun-16	571 068	483 868	332 134	218 552	286 244	184 184	212 816	
Capital	(R'000)	Dec-16	193 935	157 692	41 950	120 041	111 258	139 987	138 900	
expenditure <sup>2</sup>	(K 000)	Jun-16	167 480	162 445	52 850	103 098	115 874	160 994	196 209	
	– R/kg	Dec-16	424 519	387 578	303 774	372 900	453 544	581 329	475 497	
Cash operating	- n/kg	Jun-16	378 718	359 707	330 966	391 795	393 324	474 139	493 474	
costs	– R/tonne	Dec-16	1 999	2 455	3 655	1 806	1 886	1 742	3 211	
	- K/ torrie	Jun-16	1 774	2 139	3 800	1 612	1 688	1 716	3 233	
Cash operating	– R/kg	Dec-16	504 034	459 947	332 119	465 381	537 958	702 951	539 183	
cost and Capital <sup>2</sup>	- K/Kg	Jun-16	445 549	442 503	374 393	486 728	478 777	598 076	598 175	
All-in sustaining	– R/kg	Dec-16	508 970	472 471	332 778	427 123	565 877	731 710	557 443	
cost <sup>2</sup>	- n/kg	Jun-16	456 159	453 534	375 987	445 332	486 741	604 176	614 069	
Operational free	%	Dec-16	12	20	42	22	9	(23)	7	
cash flow margin <sup>3</sup>	/0	Jun-16	26	27	38	13	18	3	(2)	

<sup>&</sup>lt;sup>1</sup>Gold produced and sold for Hidden Valley includes 81 kilograms for the six months ended December 2016 that has been capitalised.

<sup>2</sup>Capital expenditure for Kalgold and Hidden Valley for the six months ended June 2016 has been re-stated to include capitalised stripping.

<sup>3</sup>Excludes run of mine costs for Kalgold (Dec-16: –R2.288m, Jun-16: R5.214m) and Hidden Valley (Dec-16: R140.794m, Jun-16: R8.881m).

				duction	Surface pro				
		Total		Dauction	Surface pro				
Total	Hidden	Total South	Total				Total		
Harmony	Valley	Africa	Surface	Kalgold	Dumps	Phoenix	Underground	Unisel	Masimong
9 676	1 233	8 443	5 618	753	1 473	3 392	2 825	217	331
9 211	994	8 217	5 518	745	1 612	3 161	2 699	202	301
1.78	1.15	1.87	0.28	0.81	0.35	0.14	5.04	4.37	3.72
1.73	1.38	1.78	0.26	0.71	0.32	0.12	4.88	3.79	3.65
17 227	1 415	15 812	1 587	610	510	467	14 225	948	1 231
15 974	1 376	14 598	1 435	532	518	385	13 163	765	1 098
16 923	1 377	15 546	1 533	581	491	461	14 013	930	1 207
15 900	1 494	14 406	1 436	550	507	379	12 970	761	1 095
585 908	563 456	587 779	585 493	590 523	589 053	575 362	588 029	587 737	586 513
605 476	606 342	605 386	603 171	603 629	602 538	603 354	605 631	606 507	605 282
9 867 855	730 239	9 137 616	897 561	343 094	289 225	265 242	8 240 055	546 595	707 921
9 627 066	905 875	8 721 191	866 154	331 996	305 487	228 671	7 855 037	461 552	662 784
7 509 874	663 080	6 846 794	739 695	323 714	228 995	186 986	6 107 099	425 295	564 319
6 609 971	491 544	6 118 427	660 669	276 081	224 976	159 612	5 457 758	381 831	518 813
(115 492)	(5 140)	(110 352)	(20 671)	(14 799)	(5 127)	(745)	(89 681)	(8 491)	(10 793)
(75 171)	51 051	(126 222)	(6 654)	7 888	(10 171)	(4 371)	(119 568)	(1 383)	(2 906)
7 394 382	657 940	6 736 442	719 024	308 915	223 868	186 241	6 017 418	416 804	553 526
6 534 800	542 595	5 992 205	654 015	283 969	214 805	155 241	5 338 190	380 448	515 907
2 473 473	72 299	2 401 174	178 537	34 179	65 357	79 001	2 222 637	129 791	154 395
3 092 266	363 280	2 728 986	212 139	48 027	90 682	73 430	2 516 847	81 104	146 877
1 444 873	344 470	1 100 403	106 313	8 280	94 185	3 848	994 090	35 408	54 919
1 140 211	52 875	1 087 336	38 795	19 657	14 402	4 736	1 048 541	32 263	57 328
437 996	497 061	433 013	466 096	530 679	449 010	400 398	429 322	448 623	458 423
413 796	357 227	419 128	460 397	518 949	434 317	414 577	414 629	499 125	472 507
783	580	811	132	430	155	55	2 162	1 960	1 705
718	495	745	120	371	140	50	2 022	1 890	1 724
522 264	755 285	502 605	533 086	544 252	633 686	408 638	499 205	485 974	503 037
485 175	395 653	493 613	487 431	555 898	462 120	426 878	494 287	541 299	524 719
510 506	567 012	505 795	483 901	561 556	459 209	412 332	508 197	499 891	517 240
492 898	429 121	499 511	492 154	568 425	461 111	422 997	501 430	561 454	546 615
11	(19)	13	5	3	(12)	28	14	16	13
20	41	17	20	12	22	28	17	10	13

# **OPERATING RESULTS – SIX MONTHLY (US\$/IMPERIAL)**

									South Africa	
								Undergrou	und production	
		Six								
		months								
		ended	Tshepong	Phakisa	Bambanani	Joel	Doornkop	Target 1	Kusasalethu	
Ore milled	– t'000	Dec-16	571	379	135	295	349	424	357	
Ore milieu	- 1 000	Jun-16	590	364	117	291	349	395	315	
Yield	– oz/tonr	Dec-16	0.137	0.185	0.352	0.141	0.121	0.087	0.196	
Tielu	- 02/10111	Jun-16	0.137	0.173	0.334	0.120	0.125	0.106	0.191	
Gold produced <sup>1</sup>		Dec-16	78 416	70 057	47 583	41 732	42 375	37 005	70 121	
dola producea	– oz	Jun-16	80 570	63 080	39 127	34 916	43 597	41 764	60 250	
Gold sold <sup>1</sup>	– oz	Dec-16	76 936	68 770	46 683	42 214	42 568	36 137	68 513	
doid soid.	- 02	Jun-16	80 248	62 855	38 967	32 408	42 247	42 535	58 064	
Gold price	– \$/oz	Dec-16	1 305	1 307	1 306	1 309	1 309	1 300	1 319	
received	- \$/OZ	Jun-16	1 225	1 224	1 223	1 223	1 221	1 223	1 224	
Davianua	(\$'000)	Dec-16	100 415	89 909	60 961	55 243	55 713	46 982	90 354	
Revenue	(\$ 000)	Jun-16	98 289	76 951	47 675	39 644	51 568	52 013	71 071	
Cash operating	(\$'000)	Dec-16	74 048	60 397	32 152	34 615	42 750	47 852	74 166	
cost	(\$ 000)	Jun-16	61 649	45 843	26 164	27 638	34 645	40 008	60 071	
Inventory	(\$'000)	Dec-16	(1 376)	(1 258)	(1 027)	408	106	(744)	(1 143)	
movement	(\$ 000)	Jun-16	(455)	(324)	(63)	(2 191)	(1 671)	41	(2 824)	
Oneveting costs	(¢1000)	Dec-16	72 672	59 139	31 125	35 023	42 856	47 108	73 023	
Operating costs	(\$'000)	Jun-16	61 194	45 519	26 101	25 447	32 974	40 049	57 247	
Production	(\$1000)	Dec-16	27 743	30 770	29 836	20 220	12 857	(126)	17 331	
profit	(\$'000)	Jun-16	37 095	31 432	21 574	14 197	18 594	11 964	13 824	
Capital	(\$1000)	Dec-16	13 870	11 278	3 001	8 585	7 957	10 012	9 934	
expenditure <sup>2</sup>	(\$'000)	Jun-16	10 879	10 552	3 433	6 697	7 527	10 458	12 745	
	- \$/oz	Dec-16	944	862	676	829	1 009	1 293	1 058	
Cash operating	- \$/02	Jun-16	765	727	669	792	795	958	997	
costs	– <b>\$</b> /t	Dec-16	130	159	238	117	122	113	208	
	- \$/t	Jun-16	104	126	224	95	99	101	191	
Cash operating	- \$/oz	Dec-16	1 121	1 023	739	1 035	1 197	1 564	1 199	
cost and Capital <sup>2</sup>	- \$/OZ	Jun-16	900	894	756	983	967	1 208	1 209	
All-in	- \$/oz	Dec-16	1 132	1 051	740	950	1 259	1 628	1 240	
sustaining cost <sup>2</sup>	- \$/OZ	Jun-16	922	916	760	900	983	1 221	1 241	
Operational free	%	Dec-16	12	20	42	22	9	(23)	7	
cash flow margin <sup>3</sup>	70	Jun-16	26	27	38	13	18	3	(2)	

<sup>&</sup>lt;sup>1</sup>Gold produced and sold for Hidden Valley includes 2 618 ounces for the six months ended December 2016 that has been capitalised.

<sup>&</sup>lt;sup>2</sup>Capital expenditure for Kalgold and Hidden Valley for the six months ended June 2016 has been re-stated to include capitalised stripping.

³Excludes run of mine costs for Kalgold (Dec-16: –US\$0.164m, Jun-16: US\$0.339m) and Hidden Valley (Dec-16: US\$10.069m, Jun-16: US\$0.577m).

Nasimong										
Masimong					Country and the					
Masimong   Unise  Underground   Phoenix   Dumps   Kalgold   Surface   Africa   Valley   Harmony					Surтасе pr	oduction		T		
Masimong   Unise  Underground   Phoenix   Dumps   Kalgold   Surface   Africa   Valley   Harmony			Total				Total		Hidden	Total
365	Masimong	Unisel		Phoenix	Dumps	Kalgold				
0.108         0.127         0.147         0.004         0.010         0.024         0.008         0.055         0.033         0.052           0.106         0.111         0.142         0.004         0.009         0.021         0.008         0.052         0.040         0.051           39 578         30 479         457 346         15 015         16 396         19 612         51023         508 369         45 493         553 862           35 301         24 595         423 200         12 378         16 654         17 104         46 136         46 93 36         44 240         513 576           38 806         29 901         450 528         14 821         15 786         18 680         49 287         499 815         44 271         544 086           35 205         24 467         416 996         12 185         16 300         17 683         46 168         463 164         48 034         511 193           1 223         1 225         1 224         1 219         1 217         1 220         1 219         1 223         1 225         1 223           5 628         39 990         589 295         18 969         20 684         24 537         64 190         653 485         52 224         705 709 <td></td> <td>240</td> <td></td> <td></td> <td>'</td> <td></td> <td></td> <td>9 309</td> <td>1 360</td> <td>,</td>		240			'			9 309	1 360	,
0.106         0.111         0.142         0.004         0.009         0.021         0.008         0.052         0.040         0.051           39 578         30 479         457 346         15 015         16 396         19 612         51 023         508 369         45 493         553 862           35 301         24 595         423 200         12 378         16 654         17 104         46 136         469 336         44 240         513 576           38 806         29 901         450 528         14 821         15 786         18 680         49 287         499 815         44 271         544 086           35 205         24 467         416 996         12 185         16 300         17 683         46 168         463 164         48 034         511 198           1 305         1 307         1 308         1 280         1 310         1 314         1 302         1 307         1 254         1 303           1 223         1 225         1 224         1 219         1 217         1 220         1 219         1 223         1 225         1 223           40 358         30 415         436 753         13 372         16 377         23 150         52 899         489 652         47 420         53 7072 <td>332</td> <td>222</td> <td>2 975</td> <td>3 485</td> <td>1 778</td> <td>821</td> <td>6 084</td> <td>9 059</td> <td>1 096</td> <td>10 155</td>	332	222	2 975	3 485	1 778	821	6 084	9 059	1 096	10 155
39 578 30 479 457 346 15 015 16 396 19 612 51 023 508 369 45 493 553 862 35 301 24 595 423 200 12 378 16 654 17 104 46 136 469 336 44 240 513 576 38 806 29 901 450 528 14 821 15 786 18 680 49 287 499 815 44 271 544 086 35 205 24 467 416 996 12 185 16 300 17 683 46 18 68 463 164 48 034 511 198 1305 1307 1308 1280 1310 1314 1302 1307 1254 1303 1223 1225 1224 1219 1217 1220 1219 1223 1225 1223 50 628 39 090 589 295 18 969 20 684 24 537 64 190 653 485 52 224 705 709 43 053 29 981 510 245 14 854 19 844 21 566 56 264 566 509 58 844 625 353 40 358 30 415 436 753 13 372 16 377 23 150 52 899 489 652 47 420 537 072 33 701 24 803 354 522 10 368 14 614 17 933 42 915 397 437 31 930 429 367 (772) (607) (6 413) (53) (367) (1058) (1478) (7891) (368) (8 259) (189) (90) (7 766) (284) (661) 512 (433) (8 199) 3 316 (4 883) 39 586 29 808 430 340 13 319 16 010 22 092 51 421 481 761 47 052 528 813 33 512 24 713 346 756 10 084 13 953 18 445 42 482 389 238 35 246 424 484 110 42 9 282 158 955 5650 4674 2445 17 699 177 724 5172 176 896 19 541 5 268 163 489 4770 5 891 31 21 13 782 177 271 23 598 200 869 9 541 5 268 163 489 4770 5 891 31 21 13 782 177 271 23 598 200 869 10 20 998 955 891 999 1180 10 37 963 1106 974 1102 112 113 93 8 22 7 7 44 29 5 38 38 51 1006 1004 1006 1004 112 111 1186 1118 1681 1162 1106 1004 1134 1013 885 999 1180 1037 985 1006 869 1104 1104 1134 1013 885 933 1148 994 1006 1185 118 1681 1162 1164 1134 1013 885 933 1148 994 1006 869 799 999 180 1104 1134 1013 885 933 1148 994 1006 1185 118 1681 1163 1164 1184 1014 1134 1013 885 933 1148 994 1006 1185 118 1168 1168 1168 1168 1168 1168	0.108	0.127	0.147	0.004	0.010	0.024	0.008	0.055	0.033	0.052
35 301         24 595         423 200         1 2 378         16 654         17 104         46 136         469 336         44 240         513 576           38 806         29 901         450 528         14 821         15 786         18 880         49 287         499 815         44 271         544 086           35 205         22 4 467         416 996         12 185         16 300         17 683         46 168         463 164         463 164         48 034         511 198           1 305         1 307         1 308         1 280         1 310         1 314         1 302         1 307         1 254         1 303           1 223         1 225         1 224         1 219         1 217         1 220         1 219         1 223         1 225         1 223           50 628         39 900         589 295         18 969         20 684         24 537         64 190         653 485         52 224         705 709           43 053         29 981         510 245         1 4 854         19 844         21 566         56 264         566 509         58 844         625 353           40 358         30 415         436 753         13 372         16 377         23 150         52 899         489 652	0.106	0.111	0.142	0.004	0.009	0.021	0.008	0.052	0.040	0.051
38 806         29 901         450 528         14 821         15 786         18 680         49 287         499 815         44 271         544 086           35 205         24 467         416 996         12 185         16 300         17 683         46 168         463 164         48 034         511 198           1 305         1 307         1 308         1 280         1 310         1 314         1 302         1 307         1 254         1 303           50 628         39 090         589 295         18 969         20 684         24 537         64 190         653 485         52 224         705 709           43 053         29 981         510 245         14 854         19 844         21 566         56 264         566 509         58 844         625 353           40 358         30 415         436 753         13 372         16 377         23 150         52 899         489 652         47 420         537 072           33 701         24 803         354 522         10 368         14 614         17 933         42 915         397 437         31 304         429 367           (772)         (607)         (6 413)         (53)         (367)         (1 058)         (1 478)         (7 891)         (368)	39 578	30 479	457 346	15 015	16 396	19 612	51 023	508 369	45 493	553 862
35 205	35 301	24 595	423 200	12 378	16 654	17 104	46 136	469 336	44 240	513 576
1305         1307         1308         1280         1310         1314         1302         1307         1254         1303           1223         1225         1224         1219         1217         1220         1219         1223         1225         1223           50 628         39 990         589 295         18 969         20 684         24 537         64 190         653 485         52 224         705 709           43 053         29 981         510 245         14 854         19 844         21 566         56 264         566 509         58 844         625 353           40 358         30 415         436 753         13 372         16 377         23 150         52 899         489 652         47 420         537 072           33 701         24 803         354 522         10 368         14 614         17 933         42 915         397 437         31 930         429 367           (772)         (607)         (6 413)         (53)         (367)         (1058)         (1 478)         (7 891)         (368)         (8 259)           (189)         (90)         (7 766)         (284)         (661)         512         (433)         (8 199)         3 316         (4 883)	38 806	29 901	450 528	14 821	15 786	18 680	49 287	499 815	44 271	544 086
1 223         1 225         1 224         1 219         1 217         1 220         1 219         1 223         1 225         1 223           50 628         39 090         589 295         18 969         20 684         24 537         64 190         653 485         52 224         705 709           43 053         29 981         510 245         14 854         19 844         21 566         56 264         566 509         58 844         625 353           40 358         30 415         436 753         13 372         16 377         23 150         52 899         489 652         47 420         537 072           33 701         24 803         354 522         10 368         14 614         17 933         42 915         397 437         31 930         429 367           (772)         (607)         (6 413)         (53)         (367)         (1058)         (1 478)         (7 891)         (368)         8 259           (189)         (90)         (7 766)         (284)         (661)         512         (433)         (8 199)         3 316         (4 883)           39 586         29 808         430 340         13 319         16 010         22 092         51 421         481 761         47 052         5	35 205	24 467	416 996	12 185	16 300	17 683	46 168	463 164	48 034	511 198
50 628         39 090         589 295         18 969         20 684         24 537         64 190         653 485         52 224         705 709           43 053         29 981         510 245         14 854         19 844         21 566         56 264         566 509         58 844         625 353           40 358         30 415         436 753         13 372         16 377         23 150         52 899         489 652         47 420         537 072           33 701         24 803         354 522         10 368         14 614         17 933         42 915         397 437         31 930         429 367           (772)         (607)         (6 413)         (53)         (367)         (1058)         (1478)         (7 891)         (368)         (8 259)           (189)         (90)         (7 766)         (284)         (661)         512         (433)         (8 199)         3 316         (4 833)           39 586         29 808         430 340         13 319         16 010         22 092         51 421         481 761         47 052         528 813           33 512         24 713         346 756         10 084         13 953         18 445         42 482         389 238         35 246	1 305	1 307	1 308	1 280	1 310	1 314	1 302	1 307	1 254	1 303
43 053         29 981         510 245         14 854         19 844         21 566         56 264         566 509         58 844         625 353           40 358         30 415         436 753         13 372         16 377         23 150         52 899         489 652         47 420         537 072           33 701         24 803         354 522         10 368         14 614         17 933         42 915         397 437         31 930         429 367           (772)         (607)         (6 413)         (53)         (367)         (1058)         (1478)         (7 891)         (368)         (8 259)           (189)         (90)         (7 766)         (284)         (661)         512         (433)         (8 199)         3 316         (4 883)           39 586         29 808         430 340         13 319         16 010         22 092         51 421         481 761         47 052         528 813           33 512         24 713         346 756         10 084         13 953         18 445         42 482         389 238         35 246         424 484           11 042         9 282         158 955         5 650         4 674         2 445         12 769         171 724         5 172	1 223	1 225	1 224	1 219	1 217	1 220	1 219	1 223	1 225	1 223
40 358         30 415         436 753         13 372         16 377         23 150         52 899         489 652         47 420         537 072           33 701         24 803         354 522         10 368         14 614         17 933         42 915         397 437         31 930         429 367           (772)         (607)         (6 413)         (53)         (367)         (1058)         (1 478)         (7 891)         (368)         (8 259)           (189)         (90)         (7 766)         (284)         (661)         512         (433)         (8 199)         3 316         (4 883)           39 586         29 808         430 340         13 319         16 010         22 092         51 421         481 761         47 052         528 813           33 512         24 713         346 756         10 084         13 953         18 445         42 482         389 238         35 246         424 484           11 042         9 282         158 955         5 650         4 674         2 445         12 769         171 724         5 172         176 896           1 10 42         9 282         7 1 097         275         6 736         592         7 603         78 700         24 635	50 628	39 090	589 295	18 969	20 684	24 537	64 190	653 485	52 224	705 709
33 701         24 803         354 522         10 368         14 614         17 933         42 915         397 437         31 930         429 367           (772)         (607)         (6 413)         (53)         (367)         (1 058)         (1 478)         (7 891)         (368)         (8 259)           (189)         (90)         (7 766)         (284)         (661)         512         (433)         (8 199)         3 316         (4 883)           39 586         29 808         430 340         13 319         16 010         22 092         51 421         481 761         47 052         528 813           33 512         24 713         346 756         10 084         13 953         18 445         42 482         389 238         35 246         424 484           11 042         9 282         158 955         5 650         4 674         2 445         12 769         171 724         5 172         176 896           9 541         5 268         163 489         4 770         5 891         3 121         13 782         177 271         23 598         200 869           3 928         2 532         71 097         275         6 736         592         7 603         78 700         24 635         103 335	43 053	29 981	510 245	14 854	19 844	21 566	56 264	566 509	58 844	625 353
(772)         (607)         (6 413)         (53)         (367)         (1 058)         (1 478)         (7 891)         (368)         (8 259)           (189)         (90)         (7 766)         (284)         (661)         512         (433)         (8 199)         3 316         (4 883)           39 586         29 808         430 340         13 319         16 010         22 092         51 421         481 761         47 052         528 813           33 512         24 713         346 756         10 084         13 953         18 445         42 482         389 238         35 246         424 484           11 042         9 282         158 955         5 650         4 674         2 445         12 769         171 724         5 172         176 896           9 541         5 268         163 489         4 770         5 891         3 121         13 782         177 271         23 598         200 869           3 928         2 532         71 097         275         6 736         592         7 603         78 700         24 635         103 335           3 724         2 096         68 111         308         936         1 277         2 521         70 632         3 434         74 066 <td>40 358</td> <td>30 415</td> <td>436 753</td> <td>13 372</td> <td>16 377</td> <td>23 150</td> <td>52 899</td> <td>489 652</td> <td>47 420</td> <td>537 072</td>	40 358	30 415	436 753	13 372	16 377	23 150	52 899	489 652	47 420	537 072
(189)         (90)         (7766)         (284)         (661)         512         (433)         (8 199)         3 316         (4 883)           39 586         29 808         430 340         13 319         16 010         22 092         51 421         481 761         47 052         528 813           33 512         24 713         346 756         10 084         13 953         18 445         42 482         389 238         35 246         424 484           11 042         9 282         158 955         5 650         4 674         2 445         12 769         171 724         5 172         176 896           9 541         5 268         163 489         4 770         5 891         3 121         13 782         177 271         23 598         200 869           3 928         2 532         71 097         275         6 736         592         7 603         78 700         24 635         103 335           3 724         2 096         68 111         308         936         1 277         2 521         70 632         3 434         74 066           955         1 008         838         838         878         1 048         930         847         722         836           111	33 701	24 803	354 522	10 368	14 614	17 933	42 915	397 437	31 930	429 367
39 586         29 808         430 340         13 319         16 010         22 092         51 421         481 761         47 052         528 813           33 512         24 713         346 756         10 084         13 953         18 445         42 482         389 238         35 246         424 484           11 042         9 282         158 955         5 650         4 674         2 445         12 769         171 724         5 172         176 896           9 541         5 268         163 489         4 770         5 891         3 121         13 782         177 271         23 598         200 869           3 928         2 532         71 097         275         6 736         592         7 603         78 700         24 635         103 335           3 724         2 096         68 111         308         936         1 277         2 521         70 632         3 434         74 066           1 020         998         955         891         999         1 180         1 037         963         1 106         974           955         1 008         838         838         878         1 048         930         847         722         836           111	(772)		(6 413)	(53)	(367)	(1 058)	(1 478)	(7 891)	(368)	(8 259)
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1 151         1 112         1 131         917         1 022         1 249         1 076         1 125         1 264         1 136           1 104         1 134         1 013         855         932         1 148         994         1 009         867         996           13         16         14         28         (12)         3         5         13         (19)         11										-
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	13	10	17	28	22	12	20	17	41	20





# **Harmony Gold Mining Company Limited**

("Harmony" or "Company") Incorporated in the Republic of South Africa Registration number 1950/038232/06 JSE share code: HAR NYSE share code: HMY ISIN: ZAE000015228

# FY17 RESULTS

# **RAND AND US\$**

FOR THE SIX MONTHS ENDED 31 DECEMBER 2016

# **CONDENSED CONSOLIDATED INCOME STATEMENTS (RAND)**

		Six	months ende	d	Year ended
		31 December	30 June	31 December	30 June
		2016	2016	2015	2016
Figures in million	Note	(Unaudited)	(Unaudited)	(Unaudited)	(Audited)
Revenue		9 868	9 627	8 707	18 334
Cost of sales	2	(9 066)	(7 780)	(8 006)	(15 786)
Production costs		(7 394)	(6 535)	(6 715)	(13 250)
Amortisation and depreciation		(1 274)	(1 084)	(1 086)	(2 170)
Reversal of impairment of assets		-	43	-	43
Other items		( 398)	(204)	(205)	(409)
Gross profit/(loss)		802	1 847	701	2 548
Corporate, administration and other expenditure		(226)	(227)	(182)	(409)
Social investment expenditure		(27)	(33)	(25)	(58)
Exploration expenditure		(144)	(88)	(103)	(191)
Loss on scrapping of property, plant and equipment		-	(64)	-	(64)
Foreign exchange translation gain/(loss) - net	3	713	606	(798)	(192)
Other income/(expenses) - net		48	(31)	(11)	(42)
Operating profit/(loss)		1 166	2 010	(418)	1 592
Gain on bargain purchase	4	848	-	-	-
Profit/(loss) from associates	6	( 13)	(28)	35	7
Net gain/(loss) on financial instruments		5	28	(13)	15
Investment income		135	127	114	241
Finance cost		(128)	(133)	(141)	(274)
Profit/(loss) before taxation		2 013	2 004	(423)	1 581
Taxation		(474)	(610)	(22)	(632)
Normal taxation	Ī	(363)	(122)	(1)	(123)
Deferred taxation		(111)	(488)	(21)	(509)
Net profit/(loss) for the period		1 539	1 394	(445)	949
Attributable to:					
Owners of the parent		1 539	1 394	(445)	949
Earnings/(loss) per ordinary share (cents)	5				
Basic earnings/(loss)		352	320	(102)	218
Diluted earnings/(loss)		333	306	(102)	213

The accompanying notes are an integral part of these condensed consolidated financial statements.

The condensed consolidated financial statements for the six months ended 31 December 2016 have been prepared by Harmony Gold Mining Company Limited's corporate reporting team headed by Herman Perry. This process was supervised by the financial director, Frank Abbott and approved by the board of Harmony Gold Mining Company Limited. These financial statements have not been audited or independently reviewed.

# **CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME** (RAND)

	S	ix months ende	d	Year ended
Figures in million	31 December 2016 (Unaudited)	30 June 2016 (Unaudited)	31 December 2015 (Unaudited)	30 June 2016 (Audited)
Net profit/(loss) for the period Other comprehensive income/(loss) for the period, net of income tax	1 539 1 076	1 394 (329)	(445) 472	949 143
Items that may be reclassified subsequently to profit or loss:  Foreign exchange translation gain/(loss)	1 076 (190)	(333) (333)	472 472	139 139
Remeasurement of derivative instruments Gain deferred on gold hedging contracts Deferred tax thereon	1 591 (325)	-	-	-
Items that will not be reclassified to profit or loss: Remeasurement of retirement benefit obligation Actuarial gain recognised during the year Deferred taxation thereon	-	3 1	<u>-</u> -	4 3 1
Total comprehensive income/(loss) for the period	2 615	1 065	27	1 092
Attributable to: Owners of the parent	2 615	1 065	27	1 092

The accompanying notes are an integral part of these condensed consolidated financial statements.

# **CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY (RAND)**

FOR THE SIX MONTHS ENDED 31 DECEMBER 2016 (UNAUDITED)

		Other	Accumulated	
Figures in million	Share capital	reserves	loss	Total
Balance - 30 June 2016	28 336	4 252	(4 409)	28 179
Share-based payments	-	182	-	182
Net profit for the period	-	-	1 539	1 539
Other comprehensive income for the period	-	1 076	-	1 076
Dividends paid <sup>1</sup>	-	-	(218)	(218)
Balance - 31 December 2016	28 336	5 510	(3 088)	30 758
Balance - 30 June 2015	28 324	3 787	(5 358)	26 753
Share-based payments	_	99	-	99
Net loss for the period	_	-	(445)	(445)
Other comprehensive income for the period	-	472	-	472
Balance - 31 December 2015	28 324	4 358	(5 803)	26 879

<sup>&</sup>lt;sup>1</sup> Dividend of 50 SA cents declared on 15 August 2016.

The accompanying notes are an integral part of these condensed consolidated financial statements.

# **CONDENSED CONSOLIDATED BALANCE SHEETS (RAND)**

Figures in million  ASSETS  Non-current assets  Property, plant and equipment Intangible assets Restricted cash Restricted investments Investments in associates Investments in financial assets Inventories Trade and other receivables Derivative financial assets	4	At 31 December 2016 (Unaudited)	At 30 June 2016 (Audited)	At 31 December 2015 (Unaudited)
ASSETS  Non-current assets  Property, plant and equipment Intangible assets Restricted cash Restricted investments Investments in associates Investments in financial assets Inventories Trade and other receivables		2016 (Unaudited) 30 639 863	2016 (Audited)	2015
ASSETS  Non-current assets  Property, plant and equipment Intangible assets Restricted cash Restricted investments Investments in associates Investments in financial assets Inventories Trade and other receivables		(Unaudited) 30 639 863	(Audited)	
ASSETS  Non-current assets  Property, plant and equipment Intangible assets Restricted cash Restricted investments Investments in associates Investments in financial assets Inventories Trade and other receivables		30 639 863		(Onaddited)
Non-current assets  Property, plant and equipment Intangible assets Restricted cash Restricted investments Investments in associates Investments in financial assets Inventories Trade and other receivables	4	863	29 919	
Non-current assets  Property, plant and equipment Intangible assets Restricted cash Restricted investments Investments in associates Investments in financial assets Inventories Trade and other receivables	4	863	29 919	
Property, plant and equipment Intangible assets Restricted cash Restricted investments Investments in associates Investments in financial assets Inventories Trade and other receivables	4	863	29 919	
Intangible assets Restricted cash Restricted investments Investments in associates Investments in financial assets Inventories Trade and other receivables	4	863	29 919	
Restricted cash Restricted investments Investments in associates Investments in financial assets Inventories Trade and other receivables				30 101
Restricted investments Investments in associates Investments in financial assets Inventories Trade and other receivables			870	878
Investments in associates Investments in financial assets Inventories Trade and other receivables		58	62	55
Investments in financial assets Inventories Trade and other receivables		2 584	2 496	2 434
Inventories Trade and other receivables		-	-	10
Trade and other receivables		5	5	5
		37	37	36
	_	185	172	74
	7	645	-	
Total non-current assets		35 016	33 561	33 593
Current assets				
Inventories	4	1 616	1 167	1 260
Restricted cash	4	17	1 107	16
Trade and other receivables	6	820	654	658
Income and mining taxes	٠	-	6	11
Derivative financial assets	7	1 514	369	
Cash and cash equivalents	4	1 215	1 256	876
Total current assets	÷	5 182	3 469	2 821
Total assets		40 198	37 030	36 414
Total assets		40 190	37 030	30 414
EQUITY AND LIABILITIES				
Share capital and reserves				
Share capital		28 336	28 336	28 324
Other reserves		5 510	4 252	4 358
Accumulated loss		(3 088)	(4 409)	(5 803)
Total equity		30 758	28 179	26 879
Total equity		30 730	20 173	20 07 3
Non-current liabilities				
Deferred tax liabilities		2 849	2 413	1 926
Provision for environmental rehabilitation	4	2 649 2 721	2 183	2 364
Retirement benefit obligation	7	173	169	170
Other non-current liabilities		173	16	41
Borrowings	8	1 504	2 039	3 092
Total non-current liabilities	Ť	7 264	6 820	7 593
Current liabilities				
Borrowings	8	-	300	299
Income and mining taxes		66	40	1
Trade and other payables	4	2 110	1 691	1 642
Total current liabilities		2 176	2 031	1 942
Total equity and liabilities		40 198	37 030	36 414

The accompanying notes are an integral part of these condensed consolidated financial statements.

# **CONDENSED CONSOLIDATED CASH FLOW STATEMENTS (RAND)**

		Si	Year ended		
		31 December	30 June	31 December	30 June
		2016	2016	2015	2016
Figures in million	Note	(Unaudited)	(Unaudited)	(Unaudited)	(Audited)
Cash flow from operating activities					
Cash generated by operations		2 280	2 923	1 736	4 659
Interest and dividends received		40	27	47	74
Interest paid		(74)	(116)	(39)	(155)
Income and mining taxes (paid)/refunded		(332)	(83)	18	(65)
Cash generated by operating activities		1 914	2 751	1 762	4 513
Cash flow from investing activities					
(Increase)/decrease in restricted cash		4	(5)	(7)	(12)
Decrease in amounts invested in restricted investments		3	36	3	39
Loan to associate repaid		-	-	7	7
Loan to ARM BBEE Trust		-	(200)	-	(200)
Cash on acquisition of Hidden Valley	4	459	- (4.005)	- (4.400)	(0.400)
Net additions to property, plant and equipment	10	(1 434)	(1 265)	(1 168)	(2 433)
Cash utilised by investing activities		(968)	(1 434)	(1 165)	(2 599)
Cash flow from financing activities					
Borrowings raised	8	-	-	300	300
Borrowings repaid	8	(710)	(928)	(1 117)	(2 045)
Dividends paid		(218)	-	-	-
Cash utilised by financing activities		(928)	(928)	(817)	(1 745)
Foreign currency translation adjustments		(59)	(9)	29	20
Net increase/(decrease) in cash and cash equivalents		(41)	380	(191)	189
Cash and cash equivalents - beginning of period		1 256	876	1 067	1 067
Cash and cash equivalents - end of period		1 215	1 256	876	1 256

 $The \ accompanying \ notes \ are \ an \ integral \ part \ of \ these \ condensed \ consolidated \ financial \ statements.$ 

FOR THE SIX MONTHS ENDED 31 DECEMBER 2016 (RAND)

# 1 Accounting policies

# Basis of accounting

The condensed consolidated financial statements for the six months ended 31 December 2016 have been prepared in accordance with IAS 34, Interim Financial Reporting, JSE Listing Requirements, SAICA Financial Reporting Guides as issued by the Accounting Practices Committee and Financial Pronouncements as issued by the Financial Reporting Standards Council, and in the manner required by the Companies Act of South Africa. They should be read in conjunction with the annual financial statements for the year ended 30 June 2016, which have been prepared in accordance with International Financial Reporting Standards as issued by the International Accounting Standards Board (IFRS). The accounting policies are consistent with those described in the annual financial statements, except for the adoption of applicable revised and/or new standards issued by the International Accounting Standards Board.

The following standards, amendments to standards and new interpretations have been adopted with effect 1 July 2016 and had no impact on the results of the group (other than disclosure where relevant):

Annual Improvements 2012-2014 cvcle IAS 1 (Amendments) Presentation of Financial Statements

New amendments to standards which had an effect on the condensed consolidated financial statements:

Joint Arrangements - Acquisitions of interests in joint operations IFRS 11 (Amendments)

The principles and disclosure requirements of IFRS 3 Business Combinations were applied to the acquisition of an additional interest in a joint operation which related to Harmony's acquisition of Newcrest Mining Limited's (Newcrest) 50% interest in the Hidden Valley operation in PNG. Refer to note 4 for further details.

# 2 Cost of sales

	Si	ix months ended	I	Year ended
	31 December	30 June	31 December	30 June
	2016	2016	2015	2016
Figures in million	(Unaudited)	(Unaudited)	(Unaudited)	(Audited)
Production costs - excluding royalty	7 246	6 427	6 652	13 079
Royalty expense	148	108	63	171
Amortisation and depreciation	1 274	1 084	1 086	2 170
Reversal of impairment <sup>1</sup>	-	(43)	-	(43)
Rehabilitation expenditure/(credit) <sup>2</sup>	82	(69)	28	(41)
Care and maintenance cost of restructured shafts	57	56	58	114
Employment termination and restructuring costs <sup>3</sup>	61	1	15	16
Share-based payments	201	224	105	329
Other	(3)	(8)	(1)	(9)
Total cost of sales	9 066	7 780	8 006	15 786

<sup>&</sup>lt;sup>1</sup> The net reversal of impairment of long-lived assets in the June 2016 period consists of a reversal of impairment of R738 million on Doornkop, offset by an impairment of R466 million on Hidden Valley and R229 million on Masimong.

# 3 Foreign exchange translation gain/(loss)

	S	Six months ended			
	31 December	30 June	31 December	30 June	
	2016	2016	2015	2016	
Figures in million	(Unaudited)	(Unaudited)	(Unaudited)	(Audited)	
Translation gain/(loss) on US\$ revolving credit facility (a)	134	135	(800)	(665)	
Unrealised derivative gain (b)	200	369	-	369	
Realised derivative gain (b)	394	77	-	77	
Other	(15)	25	2	27	
Total foreign exchange translation gain/(loss)	713	606	(798)	(192)	
Rand/US\$ exchange rate:					
Closing/spot	13.79	14.72	15.62	14.72	
Average	13.98	15.39	13.62	14.50	

- a) Refer to note 8 for details on the US\$ revolving credit facility.
- b) Refer to note 7 for details relating to the forex hedging contracts.

<sup>&</sup>lt;sup>2</sup> Included in the total for the June 2016 period is a credit of R110 million relating to the change in estimate following the annual reassessment.

<sup>&</sup>lt;sup>3</sup> The R61 million recorded for the six months ended 31 December 2016 relates to consulting and contractor fees resulting from the acquisition of Newcrest's 50% interest in the Hidden Valley operation.

FOR THE SIX MONTHS ENDED 31 DECEMBER 2016 (RAND)

# 4 Acquisition of full ownership of Hidden Valley

# Background prior to the transaction

The group had a 50% interest in the mining and exploration assets located in the Morobe province, PNG. Newcrest Mining Limited (Newcrest) owned the remaining 50% interest in these assets. The assets include the Hidden Valley mine and the Wafi-Golpu projects. This partnership was formed during the 2009 financial year through a range of transactions, and was completed by 30 June 2009. This partnership was considered a joint arrangement and was assessed to be a joint operation.

# Hidden Valley transaction

On 19 September 2016 Harmony announced the agreement to purchase Newcrest PNG 1 Ltd, the wholly owned subsidiary of Newcrest which holds Newcrest's 50% interest in the Hidden Valley joint venture, for a cash consideration of US\$1. As part of the transaction, Newcrest made a once-off contribution of US\$22.5 million (R309 million) towards Hidden Valley's future estimated environmental liability. The transaction was conditional upon certain regulatory approvals which were obtained on 25 October 2016 and Harmony gained control over Hidden Valley on this date.

The completion of the transaction gives Harmony 100% ownership of the Hidden Valley mine and surrounding exploration tenements. The acquisition of the additional 50% interest in the Hidden Valley mine is aligned with the group's growth aspirations. The Hidden Valley operation is an open-pit gold and silver mining operation which includes the processing plant. The mine reached commercial levels of production in the 2009 financial year. There is an established quality management team that have good relationships with key stakeholders including the community and a stable workforce. Full ownership of the mine has enabled management to commit to the re-investment of capital at the operation (previously delayed by the joint venture partners) and commence the stripping of stages 5 and 6 which is expected to extend the life of mine of the operation.

Since the close of the transaction, the additional 50% interest in Hidden Valley contributed revenue of R198 million and R5 million loss to the group. If the acquisition had occurred on 1 July 2016, the group's unaudited consolidated revenue would have increased by R533 million and profit would have decreased by R34 million.

IFRS does not currently provide guidance how to account for step-up transactions from joint operations to control and the group has elected to apply the principles of IFRS 3 *Business Combinations* to such transactions. The purchase price allocation has been prepared on a provisional basis in accordance with IFRS 3.

If new information obtained within one year of the acquisition date, about facts and circumstances that existed at the acquisition date identifies adjustments to the below amounts, or any additional provisions that existed at the date of acquisition, then the accounting for the acquisition will be revised.

# Consideration transferred

The cash consideration paid to acquire Newcrest's 50% interest in Hidden Valley amounted to US\$1. The group acquired a cash balance of R459 million which is presented within the cash flow statement as a net inflow of cash from investing activities. The cash paid by Newcrest as a once-off contribution to the rehabilitation liability is included in the cash balance presented as part of the net assets acquired in the transaction.

# **Acquisition related costs**

The Group incurred acquisition related costs of R4 million on advisory and legal fees. These costs are recognised as transaction costs in profit or loss.

# Identifiable assets acquired and liabilities assumed

The fair value of the identifiable net assets acquired was determined on the expected discounted cash flows based on the life-of-mine plan of Hidden Valley at a post-tax real discount rate of 12.53%, exchange rate of PGK/US\$3.17, gold price of US\$1 189/oz and silver price of US\$17.80/oz. The valuation was performed at 26 October 2016. The fair values are as follows:

FOR THE SIX MONTHS ENDED 31 DECEMBER 2016 (RAND)

# 4 Acquisition of Hidden Valley continued

Figures in million	Previously held interest	Acquired interest <sup>1</sup>	Total (100%)
Fair value of identifiable net assets acquired			
Property, plant and equipment	636	636	1 272
Inventories (current)	491	491	982
Trade and other receivables (current)	22	19	41
Cash and cash equivalents	54	459	513
Provision for environmental rehabilitation	(483)	(483)	(966)
Trade and other payables (current)	(114)	(274)	(388)
	606	848	1 454
Less fair value of previously held interest <sup>2</sup>			(606)
Net fair value of identifiable net assets acquired			848

<sup>&</sup>lt;sup>1</sup> Harmony acquired the legal entity which held Newcrest's interest in Hidden Valley. This subsidiary contained certain assets and liabilities which were different to those held by Harmony with respect to its interest in Hidden Valley.

The fair value of the previously held interest at 30 June 2016 was R615 million which consisted of Harmony's long term assets and related rehabilitation provision for its interest in Hidden Valley totalling R319 million and the working capital relating to Harmony's interest in Hidden Valley totalling R296 million.

On the date of acquisition, the fair value of the previously held interest does not equal 50% of the fair value of the total identifiable assets and liabilities assumed primarily because the acquired legal entity which held Newcrest's interest in Hidden Valley included the cash paid by Newcrest (R309 million or US\$22.5 million) and other assets and liabilities which differed from the assets and liabilities held in Harmony's previously held interest.

# Gain on bargain purchase

A gain on bargain purchase arising from the acquisition has been determined as follows:

Figures in million	
Consideration paid	-
Fair value of identifiable net assets acquired	848
Gain on bargain purchase	848

Since Harmony only paid US\$1 for the 50% share a gain on bargain purchase results. A strategic review of the Hidden Valley operation conducted by Newcrest resulted in their decision to exit the operation as it represented a non-core asset.

<sup>&</sup>lt;sup>2</sup> The fair value of the previously held interest equalled the carrying amount of the assets and liabilities recognised by Harmony relating to the previously held interest at the date of acquisition and no gain or loss was recognised with respect to the deemed disposal of the previously held interest.

FOR THE SIX MONTHS ENDED 31 DECEMBER 2016 (RAND)

# 5 Earnings/(loss) per share

	S	ix months ended	I	Year ended
	31 December	30 June	31 December	30 June
	2016	2016	2015	2016
	(Unaudited)	(Unaudited)	(Unaudited)	(Audited)
Weighted average number of shares (million)	437.3	436.3	435.2	435.7
Weighted average number of diluted shares (million)	462.1	455.9	436.9	446.4
Total earnings/(loss) per share (cents):				
Basic earnings/(loss)	352	320	(102)	218
Diluted earnings/(loss)	333	306	(102)	213
Headline earnings/(loss)	150	324	(103)	221
Diluted headline earnings/(loss)	142	310	(103)	216
Figures in million				
Reconciliation of headline earnings/(loss):				
Net profit/(loss)	1 539	1 394	( 445)	949
Adjusted for:				
Gain on bargain purchase	(848)	-	-	-
Reversal of impairment of assets	-	(43)	-	(43)
Taxation effect on reversal of impairment of assets	-	12	-	12
Profit on sale of property, plant and equipment	(43)	(3)	(4)	(7)
Taxation effect on profit on sale of property, plant and				
equipment	9	-	-	1
Loss on scrapping of property, plant and equipment	-	64	-	64
Taxation effect on loss on scrapping of property, plant			-	
and equipment	-	(12)	-	(12)
Headline earnings/(loss)	657	1 412	(449)	964

<sup>&</sup>lt;sup>1</sup> There is no taxation effect on this item.

# 6 Investment in associate

Harmony's gross portion of the subordinated shareholders' loan extended to Rand Refinery Proprietary Limited (Rand Refinery) in December 2014 amounts to R120 million. This loan forms part of the net investment in associate. For the six months ended 31 December 2016, Harmony set off its share of losses from associate of R13 million against the loan. The recoverable amount of the loan at 31 December 2016 is R49 million (June 2016: R62 million; December 2015: R80 million). The shareholders are in the process of entering into and finalising agreements which will result in the conversion of the loan into shares. Harmony holds a 10.38% share in Rand Refinery.

# 7 Derivative financial assets

Figures in million	At 31 December 2016 (Unaudited)	At 30 June 2016 (Audited)	At 31 December 2015 (Unaudited)
Non-current Gold forward sale contracts (a)	645	-	-
Current Gold forward sale contracts (a) Foreign exchange hedging contracts (b)	946 568	- 369	-

<sup>(</sup>a) During July 2016, Harmony started a hedging programme and entered into gold forward sale contracts (gold hedge contracts) for a total of 13 440 kg (432 000 oz) over a period of 24 months. Cash flow hedge accounting is applied to these contracts, resulting in the unrealised gains and losses being recorded in other comprehensive income (other reserves). During the six months ended 31 December 2016, the contracts that matured realised a gain of R233 million which has been included in revenue.

FOR THE SIX MONTHS ENDED 31 DECEMBER 2016 (RAND)

# 7 Derivative financial assets continued

(b) Harmony has entered into foreign exchange hedging contracts (forex hedging contracts) in the form of zero cost collars, which establish a minimum (floor) and maximum (cap) Rand/US Dollar exchange rate at which to convert US dollars to Rands. The nominal value of open forex hedging contracts at 31 December 2016 is US\$442 million (30 June 2016: US\$500 million). The hedging contracts are spread over a 12 month period with a weighted average cap price of US\$1=R 17.23 (30 June 2016: US\$1=R18.27) and weighted average floor price of US\$1=R15.30 (30 June 2016: US\$1=R15.55). As hedge accounting is not applied, the gains have been recorded in the income statement. Refer to note 3 for further details.

# 8 Borrowings

During the six months ended 31 December 2016, R300 million was repaid on the R1.3 billion Nedbank revolving credit facility. US\$30 million (R410 million) was repaid on the US\$ revolving credit facility. Refer to note 3 for details on the foreign exchange translation movement.

Figures in million	US\$ facility US dollar	Rand facility SA rand
Borrowings summary at 31 December 2016		
Facility	250	1 300
Drawn down	110	-
Undrawn committed borrowing facilities	140	1 300
Maturity	February	February
	2018	2017
Interest rate	LIBOR + 3%	JIBAR + 3.5%

On 23 December 2016, the Nedbank facility was extended on the same terms until 23 February 2017. Harmony is currently finalising a similar Rand denominated facility.

# 9 Financial risk management activities

Fair value determination

The fair value levels of hierarchy are as follows:

Level 1: Quoted prices (unadjusted) in active markets for identical assets;

Level 2: Inputs other than quoted prices included within level 1 that are observable for the asset, either directly or

indirectly (that is, as prices) or indirectly (that is derived from prices);

Inputs for the asset that are not based on observable market data (that is unobservable inputs). Level 3:

The following table presents the group's assets and liabilities that are measured at fair value at reporting date:

		A.c.		
		Αt	At	At
	Fair value	31 December	30 June	31 December
	hierarchy	2016	2016	2015
	level	(Unaudited)	(Audited)	(Unaudited)
Available-for-sale financial assets				_
Investment in financial assets <sup>1</sup>	Level 3	5	5	5
Fair value through profit or loss financial assets				
Restricted investments <sup>2</sup>	Level 2	643	639	614
Derivative financial assets <sup>3</sup>	Level 2	2 159	369	-

<sup>&</sup>lt;sup>1</sup> Level 3 fair values have been valued by the directors by performing independent valuations on an annual basis.

For all other financial instruments, fair value approximates carrying value.

<sup>&</sup>lt;sup>2</sup> The majority of the level 2 fair values are directly derived from the Top 40 index on the JSE, and are discounted at market interest rate. This relates to equity-linked deposits in the group's environmental rehabilitation trust funds.

<sup>3</sup> The mark-to market remeasurement of the forex hedging contracts (zero cost collars) is derived from a Black-Scholes valuation technique, derived from spot Rand/US\$ exchange rate inputs and discounted at market interest rate. The mark-to-market remeasurement of the gold hedging contracts (forward sale contracts) is derived from spot Rand/US\$ exchange rate, Rand and dollar interest rates (forward points), spot US\$ gold price, differential between the US interest rate and gold lease interest rate and discounted at market interest rate.

FOR THE SIX MONTHS ENDED 31 DECEMBER 2016 (RAND)

# 10 Net additions to property, plant and equipment

	S	Six months ended			
	31 December	30 June	31 December	30 June	
	2016	2016	2015	2016	
Figures in million	(Unaudited)	(Unaudited)	(Unaudited)	(Audited)	
Capital expenditure - operations	1 136	1 125	1 027	2 152	
Capital and capitalised exploration and evaluation expenditure for Golpu	116	126	114	240	
Additions resulting from stripping activities at Hidden Valley	226	14	28	42	
Other <sup>1</sup>	(44)	-	(1)	(1)	
Net additions	1 434	1 265	1 168	2 433	

<sup>&</sup>lt;sup>1</sup> Includes sale of Ernest Oppenheimer Hospital in the six months ended 31 December 2016.

# 11 Commitments and contingencies

	At	At	At
	31 December	30 June	31 December
	2016	2016	2015
Figures in million	(Unaudited)	(Audited)	(Unaudited)
Capital expenditure commitments:			
Contracts for capital expenditure	311	264	166
Authorised by the directors but not contracted for	1 298	516	1 607
	1 609	780	1 773

This expenditure will be financed from existing resources and, where appropriate, borrowings.

# **Contingent liabilities**

For a detailed disclosure on contingent liabilities refer to Harmony's annual financial statements for the financial year ended 30 June 2016, available on the group's website (www.harmony.co.za). There were no significant changes in contingencies since 30 June 2016.

# 12 Related parties

Key management personnel are those persons having authority and responsibility for planning, directing and controlling the activities of the group, directly or indirectly, including any director (whether executive or otherwise) of the group.

(a) Movement in shares owned by directors/prescribed officers for the six months ended 31 December 2016:

	Shares		Performance
		Shares sold in	
Name of director/prescribed officer	open market	open market	and retained
Frank Abbott (Financial director) 1	-	-	84 952
Beyers Nel (Chief Operating Officer: SA)	-	-	14 646
Johannes van Heerden (Chief executive officer (South East Asia))	-	-	25 000

<sup>&</sup>lt;sup>1</sup> These shares have been voluntarily locked-up in terms of the minimum shareholding requirement of the 2006 Share Plan but remains beneficially owned.

# 13 Subsequent events

On 31 January 2017, the board declared a dividend of 50 SA cents for the six months ended 31 December 2016 payable on 20 March 2017.

# 14 Segment report

The segment report follows on page 24.

FOR THE SIX MONTHS ENDED 31 DECEMBER 2016 (RAND)

# 15 Reconciliation of segment information to condensed consolidated income statements and balance sheets

	Six mont	hs ended
	31 December	31 December
	2016	2015
Figures in million	(Unaudited)	(Unaudited)
The "Reconciliation of segment information to condensed consolidated financial statements" line item in the segment report is broken down in the following elements, to give a better understanding of the differences between the financial statements and segment report:  Reconciliation of production profit to gross profit		
Total segment revenue Total segment production costs	9 868 (7 394)	8 707 (6 715)
Production profit per segment report Amortisation and depreciation Other cost of sales items	2 474 (1 274) (398)	1 992 (1 086) (205)
Gross profit/(loss) as per income statements <sup>1</sup>	802	701

<sup>&</sup>lt;sup>1</sup> The reconciliation was done up to the first recognisable line item on the income statement. The reconciliation will follow the income statement after that.

Figures in million	At 31 December 2016 (Unaudited)	At 31 December 2015 (Unaudited)
Reconciliation of total segment mining assets to consolidated property, plant and		
equipment Property, plant and equipment not allocated to a segment		
Mining assets	1 280	1 277
Undeveloped property	5 139	5 139
Other non-mining assets	160	183
Wafi-Golpu assets	1 769	1 814
	8 348	8 413

# **SEGMENT REPORT (RAND/METRIC)**

FOR THE SIX MONTHS ENDED 31 DECEMBER 2016 (RAND)

Gold	Revenue	une	Production cost	on cost	Production profit/(loss)	rofit/(loss)	Mining assets	ssets	Capital expenditure#	nditure#	Kilograms produced	produced	Tonnes milled	nilled
Minir	<b>31 December</b> 2016 20	<b>ember</b> 2015	<b>31 December</b> 2016 201	<b>ember</b> 2015	<b>31 December</b> 207	<b>ember</b> 2015	<b>31 December</b> 2016 201	<b>mber</b> 2015	<b>31 December</b> 2016 201	<b>ոber</b> 2015	<b>31 December</b> 2016 201	<b>mber</b> 2015	<b>31 December</b> 2015	<b>mber</b> 2015
na C	R million	lion	R million	llion	R million	lion	R million	ion	R million	_	kg		t'000	
South Africa Underground														
ı.	1 404	1 243	1 016	905	388	341	4 251	4 079	194	139	2 439	2 525	518	553
lΨ	1 257	1 002	827	674	430	328	4 188	4 274	158	161	2 179	2 026	344	356
Bambanani Bambanani	852	883	435	410	417	473	777	810	42	23	1 480	1 796	123	126
Joel ed	772	610	490	439	282	171	821	673	120	112	1 298	1 192	268	278
Doornkop	622	989	299	239	180	147	2 986	2 237	111	95	1 318	1 374	317	314
Target 1	657	1 032	629	633	(2)	399	2 795	2 840	140	161	1 151	2 088	384	380
Kusasalethu	1 263	984	1 021	935	242	49	3 636	3 661	139	163	2 181	1 989	323	382
Masimong	208	655	554	525	154	133	453	197	22	23	1 231	1 334	331	349
Unisel Unisel	547	463	417	374	130	88	527	299	35	30	948	626	217	222
Surface	008	737	718	617	- 181	- 117	434	474	107	23	1 587	1 537	5.618	5.467
•		5	2	5	2		7	+	2	24	-	-	200	5
Total South Africa	9 138	8 292	6 736	6 045	2 402	2 247	20 868	20 412	1 101	286	15812	16 800	8 443	8 427
International Hidden Valley	730	415	658	029	72	(255)	1 423	1 276	344	90	1 415	881	1 233	735
Total international	730	415	658	029	72	( 255)	1 423	1 276	344	20	1 415	881	1 233	735
Total operations	898 6	8 707	7 394	6 715	2 474	1 992	22 291	21 688	1 445	1 037	17 227	17 681	9 6 6 6	9 162
Reconciliation of the segment information to the condensed consolidated financial statements														
(refer to note 15)							8 348	8 413						
	8986	8 707	7 394	6715	2 474	1 992	30 639	30 101						

# Capital expenditure for international operations exclude expenditure spent on Golpu of R112 million (2015: R114 million).

# **CONDENSED CONSOLIDATED INCOME STATEMENTS (US\$)**

(CONVENIENCE TRANSLATION)

	(	Six months ended	t	Year ended
	31 December	30 June	31 December	30 June
	2016	2016	2015	2016
Figures in million	(Unaudited)	(Unaudited)	(Unaudited)	(Audited)
Revenue	706	625	639	1 264
Cost of sales	(648)	(505)	(588)	(1 088)
Production costs	(529)	(424)	(493)	(914)
Amortisation and depreciation	(91)	(70)	(80)	(149)
Reversal of impairment of assets	-	3	-	3
Other items	(28)	(14)	(15)	(28)
Gross profit/(loss)	58	120	51	176
Corporate, administration and other expenditure	(16)	(15)	(13)	(28)
Social investment expenditure	(2)	(2)	(2)	(4)
Exploration expenditure	(10)	(6)	(7)	(13)
Loss on scrapping of property, plant and equipment	-	(4)	-	(4)
Foreign exchange translation gain/(loss) - net	51	39	(59)	(13)
Other income/(expenses) - net	3	(2)	(1)	(3)
Operating profit/(loss)	84	130	(31)	111
Gain on bargain purchase	61	-	-	-
Profit/(loss) from associates	(1)	(2)	3	-
Net gain/(loss) on financial instruments	-	2	(1)	1
Investment income	10	8	8	16
Finance cost	(9)	(9)	(10)	(19)
Profit/(loss) before taxation	145	129	(31)	109
Taxation	(34)	(40)	(2)	(43)
Normal taxation	(26)	(8)	-	(8)
Deferred taxation	(8)	(32)	(2)	(35)
Net profit/(loss) for the period	111	89	(33)	66
Attributable to:				
Owners of the parent	111	89	(33)	66
Earnings/(loss) per ordinary share (cents)				
Basic earnings/(loss)	25	21	(7)	15
Diluted earnings/(loss)	24	20	(7)	15

The currency conversion average rates for the six months ended 31 December 2016: US\$1 = R13.98 (June 2016: US\$1 = R15.39, December 2015: US\$1 = R13.62). For year ended: June 2016: US\$1 = R14.50.

The income statement for the year ended 30 June 2016 has been extracted from the 2016 annual financial statements.

# Note on convenience translations

Except where specific statements have been extracted from the 2016 annual financial statements, the requirements of IAS 21, The Effects of the Changes in Foreign Exchange Rates , have not necessarily been applied in the translation of the US Dollar financial statements presented on page 25 to 29.

# **CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (US\$)**

(CONVENIENCE TRANSLATION)

	Ş	Six months ende	d	Year ended
	31 December	30 June	31 December	30 June
	2016	2016	2015	2016
Figures in million	(Unaudited)	(Unaudited)	(Unaudited)	(Audited)
Net profit/(loss) for the period Other comprehensive income/(loss) for the period, net of	111	89	(33)	66
income tax	77	(22)	35	(375)
Items that may be reclassified subsequently to profit or loss:	77	(22)	35	(375)
Foreign exchange translation gain/(loss) Remeasurement of derivative instruments	(14)	(22)	35	(375)
Gain deferred on gold hedging contracts Deferred tax thereon	114 (23)	-	-	-
	(20)			
Total comprehensive income/(loss) for the period	188	67	2	(309)
Attributable to:				
Owners of the parent	188	67	2	(309)

The currency conversion average rates for the six months ended 31 December 2016: US\$1 = R13.98 (June 2016: US\$1 = R15.39, December 2015: US\$1 = R13.62). For year ended: June 2016: US\$1 = R14.50.

The statement of comprehensive income for the year ended 30 June 2016 has been extracted from the 2016 annual financial statements.

# **CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY (US\$)**

FOR THE SIX MONTHS ENDED 31 DECEMBER 2016 (CONVENIENCE TRANSLATION) (UNAUDITED)

		Other	Accumulated	
Figures in million	Share capital	reserves	loss	Total
Balance - 30 June 2016	2 055	308	( 320)	2 043
Share-based payments	-	13	-	13
Net profit for the period	-	-	112	112
Other comprehensive income for the period	-	78	-	78
Dividends paid	-	-	(16)	( 16)
Balance - 31 December 2016	2 055	399	(224)	2 230
Balance - 30 June 2015	1 813	242	(343)	1 712
Share-based payments	-	6	-	6
Net loss for the period	-	-	(28)	(28)
Other comprehensive income for the period	-	30	-	30
Balance - 31 December 2015	1 813	278	( 371)	1 720

<sup>&</sup>lt;sup>1</sup> Dividend of 50 SA cents declared on 15 August 2016.

The currency conversion closing rates for the period ended 31 December 2016: US\$1 = R13.79 (December 2015: US\$1 = R15.62).

# **CONDENSED CONSOLIDATED BALANCE SHEETS (US\$)**

(CONVENIENCE TRANSLATION)

	At	At	At
	31 December	30 June	31 December
Fig., in welling	2016	2016	2015
Figures in million	(Unaudited)	(Audited)	(Unaudited)
ASSETS			
Non-current assets			
Property, plant and equipment	2 222	2 033	1 927
Intangible assets	63	59	56
Restricted cash	4	4	4
Restricted investments	187	170	156
Inventories	3	3	2
Trade and other receivables	13	12	5
Derivative financial assets	47	-	-
Total non-current assets	2 539	2 281	2 150
Current assets			
Inventories	117	79	81
Restricted cash	1	1	1
Trade and other receivables	60	44	42
Income and mining taxes	-	-	1
Derivative financial assets	110	25	-
Cash and cash equivalents	88	85	56
Total current assets	376	234	181
Total assets	2 915	2 515	2 331
EQUITY AND LIABILITIES			
Share capital and reserves			
Share capital	2 055	4 036	1 813
Other reserves	399	(1 591)	278
Accumulated loss	( 224)	(531)	(371)
Total equity	2 230	1 914	1 720
	1 200	1011	1720
Non-current liabilities			400
Deferred tax liabilities	207	164	123
Provision for environmental rehabilitation	197 13	148 11	151 11
Retirement benefit obligation Other non-current liabilities	13	1	3
Borrowings	109	139	198
Total non-current liabilities	527	463	486
Current liabilities			
Current liabilities Borrowings	_	20	20
Borrowings		20	20
Borrowings Income and mining taxes	- 5 153	20 3 115	20 - 105
Borrowings	5	3	-
Borrowings Income and mining taxes Trade and other payables	5 153	3 115	- 105

The balance sheet for December 2016 converted at a conversion rate of US\$1 = R13.79 (June 2016: US\$1 = R14.72, December 2015: US\$1 = R15.62).

The balance sheet at 30 June 2016 has been extracted from the 2016 annual financial statements.

# **CONDENSED CONSOLIDATED CASH FLOW STATEMENTS (US\$)**

(CONVENIENCE TRANSLATION)

	S	ix months ende	d	Year ended
Figures in million	31 December 2016 (Unaudited)	30 June 2016 (Unaudited)	31 December 2015 (Unaudited)	30 June 2016 (Audited)
Cash flow from operating activities				
Cash generated by operations	163	190	127	322
Interest and dividends received	3	2	3	5
Interest paid	(5)	(8)	(3)	(11)
Income and mining taxes (paid)/refunded	(24)	(5)	. 1	(4)
Cash generated by operating activities	137	179	128	312
Cash flow from investing activities				
(Increase)/decrease in restricted cash	-	-	-	(1)
Decrease in amounts invested in restricted investments	-	2	-	3
Loan to associate repaid	-	-	1	-
Loan to ARM BBEE Trust	-	(13)	-	(14)
Cash on acquisition of Hidden Valley	33	-	- (2.2)	-
Net additions to property, plant and equipment	(103)	(82)	(86)	(168)
Cash utilised by investing activities	(70)	(93)	(85)	(180)
Cash flow from financing activities				
Borrowings raised	-	-	22	24
Borrowings repaid	(51)	(60)	(82)	(138)
Dividends paid	(16)	=	-	=
Cash utilised by financing activities	(67)	(60)	(60)	(114)
Foreign currency translation adjustments	3	3	(15)	(21)
Net increase/(decrease) in cash and cash equivalents	3	29	(32)	(3)
Cash and cash equivalents - beginning of period	85	56	88	88
Cash and cash equivalents - end of period	88	85	56	85

The currency conversion average rates for the six months ended December 2016: US\$1 = R13.98 (June 2016: US\$1 = R15.39, December 2015: US\$1 = R13.62). For year ended: June 2016: US\$1 = R14.50.

Closing balance translated at closing rates of: 31 December 2016: US\$1 = R13.79 ( 30 June 2016: US\$1 = R14.72, 31 December 2015: US\$1 =

The cash flow statement for the year ended 30 June 2016 has been extracted from the 2016 annual financial statements.

# **SEGMENT REPORT (US\$/IMPERIAL)**

FOR THE SIX MONTHS ENDED 31 DECEMBER 2016 (CONVENIENCE TRANSLATION) (UNAUDITED)

	Revenue 31 December	nue	Production cost	on cost	Production profit/(loss)	profit/(loss) ember	Mining assets 31 December	assets ember	Capital expenditure <sup>‡</sup> 30 December	enditure# mber	Ounces produced 31 December	oduced	Tons milled 31 December	illed
	2016	2015	2016	2015	2016	2015	2016 2015	2015	2016	2015	2016	2015	2016	2015
	US\$ million	illion	US\$ million	illion	US\$ million	nillion	US\$ million	illion	US\$ million	illion	ZO		t'000	0
South Africa														
Underground														
Tshepong	100	91	73	99	27	25	308	261	14	10	78 416	81 181	571	610
Phakisa	06	74	69	20	31	24	304	274	11	12	70 057	65 137	379	392
Bambanani	61	9	31	30	30	32	99	25	3	4	47 583	57 743	135	139
Joel	22	45	35	32	20	13	09	43	6	8	41 732	38 323	295	306
Doomkop	99	20	43	40	13	10	217	143	8	7	42 375	44 175	349	346
Target 1	47	92	47	47	•	58	203	182	10	12	37 005	67 131	424	419
Kusasalethu	06	72	73	69	17	က	264	234	10	12	70 121	63 948	357	421
Masimong	51	48	40	38	11	10	33	51	4	4	39 578	42 889	365	384
Unisel	39	34	30	27	6	7	38	36	3	2	30 479	30 190	240	245
Surface														
All other surface operations	65	54	51	45	14	6	30	30	8	2	51 023	49 417	6 194	6 028
Total South Africa	654	609	482	444	172	165	1 513	1 306	80	73	508 369	540 134	608 6	9 290
International														
Hidden Valley	52	30	47	49	5	(19)	103	82	25	3	45 493	28 325	1 360	810
Total international	52	30	47	49	2	(19)	103	82	25	3	45 493	28 325	1 360	810
Total operations	200	639	529	493	177	146	1 616	1 388	105	9/	553 862	568 459	10 669	10 100

# Capital expenditure for international operations exclude expenditure spent on Golpu of US\$8 million (2015: US\$8 million).

# **DEVELOPMENT RESULTS**

6 MONTH AVG. JULY 2016 – DECEMBER 2016

# **METRIC**

				Channel	
	Reef	Sampled	Width	Value	Gold
	Meters	Meters	(Cm's)	(g/t)	(Cmg/t)
Tshepong					
Basal	512	432	8.86	125.06	1 108
B Reef	279	236	142.78	5.08	725
All Reefs	791	668	56.17	17.32	973
Phakisa					
Basal	682	700	54.91	23.64	1 298
All Reefs	682	700	54.91	23.64	1 298
Bambabani					
Basal	41	56	148.00	17.42	2 579
All Reefs	41	56	148.00	17.42	2 579
Doornkop					
Main Reef		90	99.57	2.77	275
South Reef	675	648	51.96	21.42	1 113
All Reefs	675	738	57.77	17.50	1 011
Kusasalethu					
VCR Reef	508	560	108.72	15.76	1 713
All Reefs	508	560	108.72	15.76	1 713
Target 1					
Elsburg	104	116	292.48	5.59	1 636
All Reefs	104	116	292.48	5.59	1 636
Masimong 5					
Basal	636	580	85.72	12.76	1 094
B Reef	430	456	107.06	15.66	1 677
All Reefs	1 066	1036	95.11	14.20	1 350
Unisel					
Basal	477	258	133.06	8.47	1 128
Leader	706	690	194.99	5.79	1 130
All Reefs	1 183	948	178.13	6.34	1 129
Joel					
Beatrix	763	792	149.45	8.32	1 243
All Reefs	763	792	149.45	8.32	1 243
Total Harmony					
Basal	2 347	2 026	66.44	18.26	1 213
Beatrix	763	792	149.45	8.32	1 243
Leader	706	690	194.99	5.79	1 130
B Reef	709	692	119.24	11.34	1 352
Elsburg	104	116	292.48	5.59	1 636
South Reef	675	648	51.96	21.42	1 113
VCR	508	560	108.72	15.76	1 713
Main Reef	F 0.4.	90	99.57	2.77	275
All Reefs	5 811	5 614	108.21	11.61	1 256

# **IMPERIAL**

			Channel		
	Reef	Sampled	Width	Value	Gold
	Feet	Feet	(Inch)	(oz/t)	(In.oz/t)
Tshepong					
Basal	1 681	1 417	3.00	4.24	13
B Reef	914	774	56.00	0.15	8
All Reefs	2 595	2 192	22.00	0.51	11
Phakisa					
Basal	2 237	2 297	22.00	0.68	15
All Reefs	2 237	2 297	22.00	0.68	15
Bambabani					
Basal	133	184	58.00	0.51	30
All Reefs	133	184	58.00	0.51	30
Doornkop					
Main Reef		295	39.00	0.08	3
South Reef	2 213	2 126	20.00	0.64	13
All Reefs	2 213	2 421	23.00	0.50	12
Kusasalethu					
VCR Reef	1 668	1 837	43.00	0.46	20
All Reefs	1 668	1 837	43.00	0.46	20
Target 1					
Elsburg	342	381	115.00	0.16	19
All Reefs	342	381	115.00	0.16	19
Masimong 5					
Basal	2 087	1 903	34.00	0.37	13
B Reef	1 410	1 496	42.00	0.46	19
All Reefs	3 497	3 399	37.00	0.42	16
Unisel					
Basal	1 564	846	52.00	0.25	13
Leader	2 316	2 264	77.00	0.17	13
All Reefs	3 880	3 110	70.00	0.19	13
Joel					
Beatrix	2 502	2 598	59.00	0.24	14
All Reefs	2 502	2 598	59.00	0.24	14
Total Harmony					
Basal	7 701	6 647	26.00	0.54	14
Beatrix	2 502	2 598	59.00	0.24	14
Leader	2 316	2 264	77.00	0.17	13
B Reef	2 324	2 270	47.00	0.33	16
Elsburg	342	381	115.00	0.16	19
South Reef	2 213	2 126	20.00	0.64	13
VCR	1 668	1 837	43.00	0.46	20
Main Reef		295	39.00	0.08	3
All Reefs	19 066	18 419	43.00	0.34	14



