

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Form 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO
RULE 13a-16 OR 15d-16 UNDER THE SECURITIES
EXCHANGE ACT OF 1934

For 25 January 2016

**Harmony Gold Mining Company
Limited**

Randfontein Office Park
Corner Main Reef Road and Ward Avenue
Randfontein, 1759
South Africa
(Address of principal executive offices)

(Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.)

Form 20-F X Form 40-F

(Indicate by check mark whether the registrant by
furnishing the information contained in this form
is also thereby furnishing the information to the
Commission pursuant to Rule 12g3-2(b) under the
Securities Exchange Act of 1934.)

Yes No X

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

Harmony guides third consecutive quarter of increased production

Harmony Gold Mining Company Limited ('Harmony' or 'the Company') is pleased to advise that it continued to increase its gold production for a third consecutive quarter. Underground grade was up close to 7% and overall gold production was 2% higher quarter on quarter.

Newly appointed chief executive officer, Peter Steenkamp, commented: "The production teams kept their momentum, with the majority of the operations delivering both higher kilograms and higher grades. Combined with the current higher R/kg gold prices, the past quarter has been very rewarding for Harmony".

Harmony's results for the second quarter FY16 and six months ended 31 December 2015 will be released at a live presentation, via webcast and a conference call on Thursday, 4 February 2015 in Johannesburg. Please refer to <https://www.harmony.co.za/investors> to obtain dial-in details for the event.

For more details contact:

Henrika Ninham
Investor Relations Manager
On +27 (0)82 759 1775

Marian van der Walt
Executive: Corporate and Investor Relations
+27(0) 82 888 1242

Johannesburg, South Africa
25 January 2016

Sponsor:
J.P. Morgan Equities South Africa Proprietary Limited



Press release

Harmony guides third consecutive quarter of increased production

Johannesburg: Monday, 25 January 2016. Harmony Gold Mining Company Limited ('Harmony' or 'the Company') is pleased to advise that it continued to increase its gold production for a third consecutive quarter. Underground grade was up close to 7% and overall gold production was 2% higher quarter on quarter.

Newly appointed chief executive officer, Peter Steenkamp, commented: "The production teams kept their momentum, with the majority of the operations delivering both higher kilograms and higher grades. Combined with the current higher R/kg gold prices, the past quarter has been very rewarding for Harmony".

Harmony's results for the second quarter FY16 and six months ended 31 December 2015 will be released at a live presentation, via webcast and a conference call on Thursday, 4 February 2015 in Johannesburg. Please refer to <https://www.harmony.co.za/investors> to obtain dial-in details for the event.

ends.

Issued by Harmony Gold Mining Company Limited

For more details contact:

Henrika Ninham

Investor Relations Manager
+27(0) 82 759 1775

Marian van der Walt

Executive: Corporate and Investor Relations
+27(0) 82 888 1242

Corporate office:

Randfontein Office Park
P O Box 2
Randfontein
South Africa 1760
T +27 (11) 411 2000

Listing codes:

JSE: HAR
NYSE: HMY

ISIN no:

ZAE000015228

Registration no: 1950/038232/06

Harmony Gold Mining Company Limited (Harmony), a world-class gold mining and exploration company, has operations and assets in South Africa and Papua New Guinea. Harmony, which has more than 60 years' experience in the industry, is the third largest gold producer in South Africa. Our assets include 9 underground mines and 1 open pit operation and several surface sources in South Africa. Our assets in PNG – an open pit mine (Hidden Valley), as well as the significant Golpu project – are held in a joint venture. We also own several exploration tenements, in Papua New Guinea.

The company's primary stock exchange listing is on the JSE with a secondary listing on the New York Stock Exchange. The bulk of our shareholders are in South Africa and the United States. Additional information on the company is available on the corporate website, www.harmony.co.za.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Dated: January 25, 2016

Harmony Gold Mining Company Limited

By: /s/ Frank Abbott

Name: Frank Abbott
Title: Financial Director