Expanding Production and Reducing Costs
DISCLAIMER:

SAFE HARBOUR: Some statements contained in this presentation are forward-looking statements or forward-looking information (collectively, "forward-looking statements") within the meaning of the United States Private Securities Litigation Reform Act of 1995 and applicable Canadian securities laws. Investors are cautioned that forward-looking statements are inherently uncertain and involve risks and uncertainties that could cause actual results to differ materially. Such statements include comments regarding: the expansion of production and reduction of costs at Golden Star's projects; the exploration upside of the Company's projects and ability of the Company to increase mine lives and Mineral Resources and Mineral Reserves; the ability of the Company to transform into a high grade, low cost gold producer; the impact of Wassa Underground and Prestea Underground on the Company's production profile, cost profile, cash operating cost per ounce and AISC per ounce; the timing for commercial production at Prestea Underground; the timing for mining first transverse stopes at B Shoot of Wassa Underground; the achievement of full production rate at Wassa Underground and life of mine average production; the achievement of 2017 production; production, cash operating cost and capital expenditure guidance for 2017; ore grade, production and capital expenditures at Mampom; the ability to expand Mineral Reserves and extend the life of mine at Prestea Underground and Wassa Underground through exploration; the ability to convert Mineral Resources into Mineral Reserves; the timing for incurring 2017 capital expenditures; and the potential for growth of Golden Star's share price. Factors that could cause actual results to differ materially include timing of and unexpected events at the Bogoso/Prestea and/or the Wassa processing plants; variations in ore grade, tonnes mined, crushed or milled; delay or failure to receive board or government approvals and permits; construction delays; the availability and cost of electrical power; timing and availability of external financing on acceptable terms or at all; technical, permitting, mining or processing issues, including difficulties in establishing the infrastructure for Wassa Underground or Prestea Underground, inconsistent power supplies, plant and/or equipment failures and an inability to obtain supplies and materials on reasonable terms (including pricing) or at all; changes in U.S. and Canadian securities markets; heavy rainfall and flooding of underground mines; and fluctuations in gold price and input costs and general economic conditions. There can be no assurance that future developments affecting the Company will be those anticipated by management. Please refer to the discussion of these and other factors in our Annual Information Form for the year ended December 31, 2016 filed on SEDAR at www.sedar.com. The forecasts contained in this presentation constitute management’s current estimates, as of the date of this presentation, with respect to the matters covered thereby. We expect that these estimates will change as new information is received and that actual results will vary from these estimates, possibly by material amounts. While we may elect to update these estimates at any time, we do not undertake to update any estimate at any particular time or in response to any particular event. Investors and others should not assume that any forecasts in this presentation represent management’s estimate as of any date other than the date of this presentation.

NON-GAAP FINANCIAL MEASURES: In this presentation, we use the terms "cash operating cost per ounce", "all-in sustaining cost per ounce", "AISC per ounce", "Adjusted Net Loss", "Adjusted Net Loss/Share", "Cash operating margin per ounce" and "Cash Flow from/(used in) operations". These terms should be considered as Non-GAAP Financial Measures as defined in applicable Canadian and United States securities laws and should not be considered in isolation or as a substitute for measures of performance prepared in accordance with International Financial Reporting Standards ("IFRS"). "Cash operating cost per ounce" for a period is equal to the cost of sales excluding depreciation and amortization for the period less royalties, the cash component of metals inventory net realizable value adjustments and severance charges divided by the number of ounces of gold sold during the period. "All-in sustaining costs per ounce" commences with cash operating costs and then adds sustaining capital expenditures, corporate general and administrative costs, mine site exploratory drilling and greenfield evaluation costs and environmental rehabilitation costs, divided by the number of ounces of gold sold during the period. This measure seeks to represent the total costs of producing gold from operations. These measures are not representative of all cash expenditures as they do not include income tax payments or interest costs. In order to indicate to stakeholders the Company's earnings excluding the non-cash (gain)/loss on the fair value of debentures, non-cash impairment charges and severance charges, the Company calculates "Adjusted Net Earnings/(Loss)" and "Adjusted Net Earnings/Share per share" to supplement the condensed interim consolidated financial statements. "Cash operating margin per ounce" is calculated as gold price minus cash operating cost per ounce. "Cash flow from/(used in) operations" is calculated by subtracting the "Changes in working capital" from "Net cash provided by operating activities" as found in the statements of cash flows. These measures are not necessarily indicative of operating profit or cash flow from operations as would be determined under IFRS. Changes in numerous factors including, but not limited to, mining rates, milling rates, gold grade, gold recovery, and the costs of labor, consumables and mine site general and administrative activities can cause these measures to increase or decrease. We believe that these measures are the same or similar to the measures of other gold mining companies, but may not be comparable to similarly titled measures in every instance. Please see our "Management's Discussion and Analysis of Financial Condition and Results of Operations for the year ended December 31, 2016" for a reconciliation of these Non-GAAP measures to the nearest IFRS measure.

INFORMATION: The information contained in this presentation has been obtained by Golden Star from its own records and from other sources deemed reliable, however no representation or warranty is made as to its accuracy or completeness. The technical information relating to Golden Star's material properties disclosed herein is based upon technical reports prepared and filed pursuant to National Instrument 43-101 - Standards of Disclosure for Mineral Projects ("NI 43-101") and other publicly available information regarding the Company, including the following: (i) "NI 43-101 Technical Report on a Feasibility Study of the Wassa Open Pit Mine and Underground Project in Ghana" effective December 31, 2014; (ii) "NI 43-101 Technical Report on Resources and Reserves, Golden Star Resources Ltd., Bogoso Prestea Gold Mine, Ghana" effective December 31, 2013, and (iii) "NI 43-101 Technical Report on a Feasibility Study of the Prestea Underground gold project in Ghana" effective November 5, 2015. Additional information is included in Golden Star's Annual Information Form for the year ended December 31, 2015 which is filed on SEDAR. Mineral Reserves were prepared under the supervision of Dr. Martin Raffield, Senior Vice President Technical Services for the Company. Dr. Raffield is a "Qualified Person" as defined by NI 43-101. The Qualified Person reviewing and validating the estimation of the Mineral Resources is S. Mitchel Wasel, Golden Star Resources Vice President of Exploration.

CURRENCY: All monetary amounts refer to United States dollars unless otherwise indicated.
Why Invest In Golden Star?

- West African-focused, mid-tier gold producer with two producing mines in Ghana
- High grade development asset, Prestea Underground (13.93g/t Mineral Reserves)
- Strong exploration upside potential - focused on increasing the mine lives of current operations
- Experienced management team with a track record of discovery and project delivery
- Undervalued compared to peer group and with robust liquidity through NYSE MKT listing

Transforming into a high grade, non-refractory, low cost gold producer
Experienced Management and Technical Leadership

Sam Coetzer, President & CEO
- Mining engineer with over 26 years’ experience with Kinross, Xstrata Nickel, Xstrata Coal and Placer Dome
- Previously SVP South American Operations for Kinross

André van Niekerk, EVP & Chief Financial Officer
- Joined GSR in 2006 - 5 years in Ghana as GSR’s Head of Finance and Business Operations
- Previously VP, Financial Controller
- Trained at KPMG

Daniel Owiredu, EVP & Chief Operating Officer
- 20 years’ experience in West African mining, based in Ghana
- Previously Deputy COO for AngloGold - managed construction and operation of the Bibiani, Siguiri and Obuasi mines

Martin Raffield, SVP, Project Development & Technical Services
- Ph.D. geotechnical engineering & P. Engineering
- Previously worked for SRK, Placer Dome and Breakwater Resources
- Based at Prestea mine in Ghana

Mitch Wasel, VP Exploration
- Joined GSR in 1993
- Based in Ghana for GSR for past 17 years
- Previously spent 10 years in gold & base metal exploration in north western Canada

NYSE: GSS
TSX: GSC
Record Quarterly Production in Q1 2017

Strongest quarterly production since cessation of refractory operation

- Gold production of 57,795oz in Q1 2017 – third consecutive quarter of record production from Prestea Open Pits
- Ore from three production sources – significant reduction in risk profile
- Cash operating cost\(^1\) and AISC\(^1\) are anticipated to reduce in H2 2017

\[^1\] See note on slide 2 regarding Non-GAAP Financial Measures
- 2017 gold production guidance of 255,000-280,000oz
- 2017 cash operating cost\(^1\) per ounce guidance of $780-860/oz
- 2017 AISC per ounce\(^1\) guidance of $970-1,070/oz – expected to decrease further as high grade, underground mines continue to ramp up
- 2017 capital expenditures guidance of $63m
Expanding Production and Reducing Costs

Forecast Annual Gold Production, Cash Operating Costs\(^1\) and AISC\(^{1,2}\)

- Average annual production from 2017 onwards of 281,000 oz\(^2\)
- Significant exploration upside on current production profile

60% increase in production forecast between 2016 and 2019

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NYSE: GSS 1. See note on slide 2 regarding Non-GAAP Financial Measures
TSX: GSC 2. Numbers are derived from the Wassa and Prestea technical reports available at www.gsr.com
Three key objectives of the 2017 exploration strategy:

- To increase supply of high grade, underground ore to the processing plants in the near term
- To increase the lives of both operations in the medium term
- To identify the potential of Golden Star’s 1,156 km² concession area

First phase of program is expected to comprise 48,000m

Further drilling may be conducted subject to the results received

171% increase to 2017 exploration budget to $6.5 million for the first phase of drilling

Drilling is underway on targets at both Wassa and Prestea deposits
Wassa Gold Mine

- Open pit and underground gold mine in Ghana, commenced production in 2005
- Mineral Reserves of 1.3Moz (17.4Mt at 2.37g/t)
- 7 years of mine life remaining based on current Mineral Reserves
- 2.7Mtpa processing plant within 500m of pit
- Ore from Wassa Underground is being blended with open pit ore
- Tonnes processed (7,000tpd) will be constant but grade will increase as underground continues to ramp up
- Life of Mine average annual production expected to be ~175,000 ounces

<table>
<thead>
<tr>
<th>Wassa²</th>
<th>Unit</th>
<th>Rate</th>
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</thead>
<tbody>
<tr>
<td>2016 Production</td>
<td>Koz</td>
<td>104</td>
</tr>
<tr>
<td>2016 Cash Operating Cost³</td>
<td>$/oz</td>
<td>941</td>
</tr>
<tr>
<td>2017 Forecast Production</td>
<td>Koz</td>
<td>145-160</td>
</tr>
<tr>
<td>2017 Forecast Cash Operating Cost³</td>
<td>$/oz</td>
<td>830-915</td>
</tr>
</tbody>
</table>

1. According to Wassa Feasibility Study
2. Includes Wassa Main Pit and Wassa Underground
3. See note on slide 2 regarding Non-GAAP Financial Measures
Wassa Underground: Mining of B Shoot Commenced

- Commercial production achieved on January 1, 2017
- First longitudinal stopes of B Shoot mined in late Q1 2017
- First larger, higher grade, transverse B Shoot stopes expected to be mined in Q3 2017
- Targeting mining rate of 1,400 tpd in 2017 – nameplate rate of 2,200 tpd expected to be achieved in 2018

Production expected to increase in Q3 2017 when transverse stoping of B Shoot begins
Wassa Underground Development

Strong potential to increase Mineral Resources & Reserves through exploration

F Shoot – first area that was mined via underground development

B Shoot
Mineral Reserve – longitudinal stoping commenced with higher grade areas to be mined via transverse stoping in Q3 2017

~750m Vertical depth below surface

Wassa Underground drilled down plunge to ~1,500m (1,100m to limit of current reserve)

B Shoot Inferred Mineral Resource to be drilled from underground in early 2018 – majority of Wassa Underground’s 1.9Moz Inferred Mineral Resources are from this area
Three key focuses at Wassa Underground:

**B Shoot North extension drilling**
- Expected to comprise 3,000m
- Objective: To test the potential to increase near-term production

**B Shoot South Step Out Fences**
- Expected to comprise 10,000m
- Objective: To ascertain if the B Shoot is continuous to the South

**242 Trend Step Out Drilling**
- Expected to comprise 4,000m
- Objective: To increase Wassa's Inferred resources

Drilling has commenced on all targets at Wassa – results expected in H2 2017
Prestea Gold Mine

- +100 year history of mining at Prestea in Ghana – acquired by GSR in 1999
- Prestea Open Pits commenced production in Q3 2015
- Currently mining non-refractory, oxide ore
- Refractory reserves replaced through drilling
- Open pits are bridging the production gap until underground production established
- Prestea Underground has very high grade Mineral Reserves of 1.1Mt at 13.93g/t for 490Koz
- 2017 exploration drilling has commenced at Prestea Underground, Prestea Open Pits and Mampon

<table>
<thead>
<tr>
<th>Prestea1</th>
<th>Unit</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016 Production</td>
<td>Koz</td>
<td>90</td>
</tr>
<tr>
<td>2016 Cash Operating Cost1</td>
<td>$/oz</td>
<td>800</td>
</tr>
<tr>
<td>2017 Forecast Production2</td>
<td>Koz</td>
<td>110-120</td>
</tr>
<tr>
<td>2017 Forecast Cash Operating Cost1</td>
<td>$/oz</td>
<td>715-780</td>
</tr>
</tbody>
</table>

1. See note on slide 2 regarding Non-GAAP Financial Measures
2. Includes Prestea Open Pits and Prestea Underground
Mampon: Strong Near-Term Cash Flow

Mining commenced in late Q1 2017

- Mampon is an oxide deposit 65km to the north of the CIL processing plant
- Mineral Reserves of 45,000oz of gold (301Kt at 4.64g/t)
- All permits received by end of 2016 including mining lease, environmental permit and forestry permit
- High grade ore from Mampon is being blended with ore from Prestea Open Pits to enhance GSR’s cash flow in Q2 and Q3 2017

GHANA

Mampon

NYSE: GSS
TSX: GSC
Prestea Underground: Project Update

✓ Rehabilitation works commenced
✓ Long lead time equipment ordered
✓ Underground mining contractor appointed (Manroc Developments, Inc.)
✓ Installation of new electrical and water supply services completed
✓ Track improved on 24 Level for high-speed haulage
✓ Mobilization of underground mining contractor to site and first Alimaks arrived
✓ Rock winder upgrade completed and commissioned
✓ Pre-development of the Mineral Resource and West Reef intersected by mining team
  First stope blasted - expected in Q2 2017
  Achieving commercial production – expected in Q3 2017

March 2016 Update to Feasibility Study

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Gold production per annum</td>
<td>Cash operating cost per ounce(^1)</td>
<td>AISC per ounce(^1)</td>
<td>Mineral Reserve head grade</td>
</tr>
<tr>
<td>90,000oz</td>
<td>$468</td>
<td>$615</td>
<td>13.9g/t</td>
</tr>
</tbody>
</table>

1. See note on slide 2 regarding Non-GAAP Financial Measures
Prestea Underground: Development of First Stope

• Development of first stope at Prestea Underground commenced in March 2017, as planned, with first raise now completed

• Second Alimak nest completed and blasting of second raise underway

• However total development advance behind schedule due to issues relating to short term infrastructure bottlenecks and relatively inexperienced workforce – measures being put in place to rectify these issues
Three key focuses for 2017 exploration program at Prestea Underground:

- Primarily focused on the extension and definition of the West Reef – objective is to increase high grade ore to processing plant in near term.
- Other focuses include initial testing of the Main Reef and the South Gap area to add ore into the mine plan in the medium to long term.
$15m bought deal in April 2016
  - Reduced Accounts Payable
$65m private placement in August 2016 of 7.0% convertible senior notes, due 2021
  - Significantly reduced 2017 debt repayments and aligned future debt repayments more closely to forecast cash flow
$34.5m underwritten public offering in August 2016
  - Repaid high interest Ecobank II loan and brought new institutional investors onto register
C$34.5m (US$26.2m) bought deal in February 2017
  - Ensures that GSR is fully funded and maintains a strong financial position
$25m financing facility with Ecobank in March 2017
  - Prudent measure as GSR continues to grow
Remaining 5% convertible debentures ($13.6m) repaid on June 1, 2017

Debt Maturity Schedule ($m)¹

<table>
<thead>
<tr>
<th>Year</th>
<th>Equipment Financing Loans</th>
<th>5% Convertible Debentures</th>
<th>Finance Leases</th>
<th>7% Convertible Debentures</th>
<th>Royal Gold Loan</th>
<th>Other Long Term Liabilities (VRA)</th>
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</thead>
<tbody>
<tr>
<td>2017</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>2018</td>
<td>13</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>2019</td>
<td>32</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>2020</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>2021</td>
<td>52</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

¹ Principal only, exclusive of interest
UPCOMING MILESTONES IN 2017

✔ Achieve commercial production at Wassa Underground – January 1, 2017

✔ Commence longitudinal stoping of higher grade B Shoot zone of Wassa Underground – Q1 2017

✔ Commence mining of Mampon deposit – Q1 2017

Blasting of first stope at Prestea Underground – expected Q2 2017

Commence transverse stoping of B Shoot at Wassa Underground – expected Q3 2017

✔ Achieve commercial production at Prestea Underground – expected Q3 2017
Contact Us
Katharine Sutton, Investor Relations
+1 416 583 3800
investor@gsr.com

NYSE MKT: GSS
TSX: GSC
Appendices: Market Information

One Year Share Price Graph (GSS)¹,²

![Graph showing one year share price of GSS](image)

<table>
<thead>
<tr>
<th>Market Information¹</th>
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<tbody>
<tr>
<td><strong>Markets</strong></td>
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<tr>
<td><strong>Tickers</strong></td>
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<td></td>
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<tr>
<td><strong>Shares in Issue</strong></td>
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<tr>
<td><strong>Options</strong></td>
</tr>
<tr>
<td><strong>Share Price²</strong></td>
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<tr>
<td><strong>Market Capitalization</strong></td>
</tr>
<tr>
<td><strong>Cash³</strong></td>
</tr>
<tr>
<td><strong>Debt</strong></td>
</tr>
<tr>
<td><strong>Daily Volumes Traded (3 Month Average)²</strong></td>
</tr>
</tbody>
</table>

**Analyst Coverage**
- BMO Capital Markets
- CIBC Capital Markets
- Clarus Securities
- Credit Suisse
- National Bank Financial
- Scotia Bank

**Key Institutional Shareholders**
- Van Eck
- Franklin Templeton
- Oppenheimer Funds
- Sentry Investments
- Earth Resources
- Gold 2000
- AGF Management
- USAA Asset Management

¹ As at Jun 8, 2017
² Refers to NYSE MKT listing
³ As at Mar 31, 2017
A Responsible Corporate Citizen

$47m in salaries paid in 2016

$5.7m in sustainable agribusiness to date

$3.4m in development fund projects to date

$36.7m paid in Government payments in 2016
### Q1 2017: Financial Highlights

<table>
<thead>
<tr>
<th></th>
<th>Q1 2017</th>
<th>Q1 2016</th>
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</thead>
<tbody>
<tr>
<td>Revenue</td>
<td>$'000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>68,545</td>
<td>61,067</td>
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<tr>
<td>Gold Sales</td>
<td>oz</td>
<td></td>
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<td></td>
<td>58,144</td>
<td>52,669</td>
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<tr>
<td>Average Realized Gold</td>
<td>$/oz</td>
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<tr>
<td>Price</td>
<td>1,179</td>
<td>1,159</td>
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<tr>
<td>Net Income</td>
<td>$'000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>170</td>
<td>2,051</td>
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<tr>
<td>Net Income per share</td>
<td>$/share</td>
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</tr>
<tr>
<td></td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>Adjusted Net Income(^1)</td>
<td>$’000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3,411</td>
<td>8,538</td>
</tr>
<tr>
<td>Adjusted Net Income(^1)</td>
<td>$/share</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.01</td>
<td>0.03</td>
</tr>
<tr>
<td>Cash Flow from Operations before working cap. changes(^1)</td>
<td>$'000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>17,725</td>
<td>10,767</td>
</tr>
<tr>
<td>Cash Flow from Operations before working cap. changes(^1)</td>
<td>$/share</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.05</td>
<td>0.04</td>
</tr>
<tr>
<td>Capital Expenditures</td>
<td>$'000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16,703</td>
<td>15,914</td>
</tr>
<tr>
<td>Cash &amp; Cash Equivs.</td>
<td>$'000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>36,455</td>
<td>14,561</td>
</tr>
</tbody>
</table>

- 12% increase in revenue compared to Q1 2016 due to higher production at Prestea, 2% higher realized gold price and commencement of commercial production at Wassa Underground
- Mine operating margin\(^1\) of $8.7m – 39% decrease compared to Q1 2016 due to higher cost of sales and higher depreciation & amortization expenses
- $0.2m net income due to a mine operating loss at Wassa, partially offset by higher mine operating margin at Prestea Open Pits & a fair value gain on financial instruments
- Capex of $16.7m with $10.3m attributable to development of Prestea Underground
- $36.5m of cash at end of Q1 2016 – remain fully funded for capital program and 2017 debt repayments

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\(^1\) See note on slide 2 regarding Non-GAAP Financial Measures
GSR has a financing arrangement with Royal Gold for total aggregate proceeds of $145m. Use of funds:
- Facilitate development of Wassa and Prestea underground mines
- Retire outstanding Ecobank I loan debt

Gold stream of $145m over Bogoso, Prestea and Wassa:
- From January 1, 2016, to deliver 9.25% of all production at a cash purchase price of 20% of spot gold
- From January 1, 2018 or commercial production of the underground mines, whichever is sooner, to deliver 10.50% of production at a cash purchase price of 20% of spot gold until 240,000 ounces have been delivered
- Thereafter, 5.50% of production at a cash purchase price of 30% of spot gold will be delivered (‘tail stream’)
- Option to repurchase 50% of the tail stream
- In the event that Golden Star expands its operations to outside its current mine license areas in the future, it will have the option to deliver ounces from these operations to satisfy the first and second delivery thresholds
  - GSR would retain the upside to these new operations as the tail stream would not be applied
- All payments received for a total of $145m
- A total of 36,036 ounces have been delivered as at March 31, 2017

Four year $20m secured term loan:
- Interest rate linked to gold price\(^1\)
  - At a gold price of $1,200/oz the interest rate would be 7.5% and at $1,300/oz, it would be 8.13%
  - Rate is not to exceed 11.5%
- No early prepayment penalty
- Subject to an agreed quarterly 25-50% excess cash flow sweep from the third quarter of 2017 onwards
- Matures in July 2019
- Royal Gold has security against mining assets

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\(^1\) Calculated as the product of the average spot gold price over the quarter and 62.50% divided by 10,000.
### Mineral Reserves and Resources

<table>
<thead>
<tr>
<th>Mineral Reserves(^{1,2,3})</th>
<th>Tonnes ('000)</th>
<th>Grade (Au g/t)</th>
<th>Content (Koz)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Proven Reserves</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wassa</td>
<td>695</td>
<td>0.96</td>
<td>21</td>
</tr>
<tr>
<td>Prestea</td>
<td>115</td>
<td>2.55</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>810</strong></td>
<td><strong>1.18</strong></td>
<td><strong>31</strong></td>
</tr>
<tr>
<td><strong>Probable Reserves</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wassa</td>
<td>16,741</td>
<td>2.43</td>
<td>1,307</td>
</tr>
<tr>
<td>Prestea</td>
<td>1,905</td>
<td>9.35</td>
<td>573</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>18,646</strong></td>
<td><strong>3.13</strong></td>
<td><strong>1,879</strong></td>
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<tr>
<td><strong>Total Proven &amp; Probable</strong></td>
<td><strong>19,456</strong></td>
<td><strong>3.05</strong></td>
<td><strong>1,910</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Mineral Resources(^{1,2,3})</th>
<th>Tonnes ('000)</th>
<th>Grade (Au g/t)</th>
<th>Content (Koz)</th>
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<tbody>
<tr>
<td><strong>Measured &amp; Indicated Mineral Resources</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Wassa</td>
<td>44,347</td>
<td>2.33</td>
<td>3,328</td>
</tr>
<tr>
<td>Prestea</td>
<td>5,394</td>
<td>6.08</td>
<td>1,055</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>49,741</strong></td>
<td><strong>2.74</strong></td>
<td><strong>4,382</strong></td>
</tr>
<tr>
<td><strong>Inferred Mineral Resources</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wassa</td>
<td>15,581</td>
<td>4.20</td>
<td>2,102</td>
</tr>
<tr>
<td>Prestea</td>
<td>3,723</td>
<td>7.79</td>
<td>933</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>19,305</strong></td>
<td><strong>4.88</strong></td>
<td><strong>3,034</strong></td>
</tr>
</tbody>
</table>

2. For Prestea’s Mineral Reserves and Resources please refer to ‘NI 43-101 Technical Report on a Feasibility Study of the Prestea Underground Gold Project in Ghana’, dated November 3, 2015, which is filed on SEDAR and at [www.gsr.com](http://www.gsr.com)
3. All numbers exclude refractory ore.