



31 October 2024

**ASX ANNOUNCEMENT**  
**(ASX: TGM)**  
**QUARTERLY REPORT**  
**1 July 2024 to 30 September 2024**

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Theta Gold Mines Limited ("**Theta Gold**" or "**Company**") (ASX: TGM) is pleased to report on its activities for the quarter ended 30 September 2024.

## **HIGHLIGHTS**

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### **DURING THE SEPTEMBER 2024 QUARTER:**

- Metallurgical test results confirmed recoverable gold from TGME Tailings Storage Facility<sup>1</sup>
- Theta continues discussions and development plans with Power China subsidiary as the preferred EPC partner to build Stage One of its TGME Gold Plant and TSF facilities<sup>2</sup>
- Theta is also in advanced discussions with other international debt funders to provide part of the CAPEX requirements for the project
- Theta's team is currently preparing design plans for the processing plant for the TGME Gold Plant to produce gold dore on site
- Completion of Tranche 1 US\$6 million (A\$8.99 million) of two-tranche Placement<sup>3</sup>
- Additional US\$2 million (A\$3 million) private equity placement completed<sup>4</sup>
- Full redemption of A\$6 million Bond and interest to 2Invest AG



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<sup>1</sup> Refer to ASX Release dated 30 July 2024 titled, "Metallurgical test results confirm that gold is recoverable from the TGME Tailings Storage Facility and Rock Dumps (174,000 Oz AU)".

<sup>2</sup> Refer to ASX Release dated 14 February 2024 titled, "Theta Gold selects PowerChina's subsidiary as its preferred EPC Partner to build its stage one TGME Gold Plant and TSF Facilities estimate at US\$30 million".

<sup>3</sup> Refer to ASX Release dated 6 May 2024 titled, Theta Inks US\$10m Equity Funding Placement to Strengthen Balance Sheet and Advance Plant & TSF Construction".

<sup>4</sup> Refer to ASX Release dated 16 September 2024 titled, "US\$8 million Private Placement and Full Redemption of AU\$6 million Secured Bonds"

## OPERATIONS AND DEVELOPMENT UPDATE

### Drilling and Sampling on the TGME Gold Mine Tailings Dam

The Company announced that the results of the confirmatory drilling program completed by SGS (South Africa) Pty Ltd (“SGS”) in March 2024 have been received. The drill results for the TGME Main Tailings Storage Facility (“Main TSF”) have confirmed the tailings dams contain gold at the expected grades (See Table 1). Test results for metallurgical gold recovery were released on 30 July 2024<sup>5</sup>.

### **Highlights from the Metallurgical Test Work completed by MAK Analytical are as follows:**

Composite samples were collected for metallurgical test work. These samples obtained from the main tailings dam were collected from drill samples and additional samples were collected from historic surface rock dumps via trenching.

**Table 1 Highlights the best laboratory results for the composite samples.**

Sample No.	Type	Head Grade Gold (g/t)	Gold Recovery %
TGME A	Tailings Dam Material	1.24 g/t	58.95%
Beta and Peach Tree	Surface Rock Dump	0.94 g/t	95.43%
Vaalhoek 1	Surface Rock Dump	1.19 g/t	95.46%

Note:

- TGME A sample: material from the main tailings dam
- Top 9 metres of the Main Tailings Dam contains a high grade gold zone (Figure 3)
- The Beta and Peach Tree samples are from surface rock dumps from the historical mining of the Beta mine, which is over 60% of the current mine schedule.
- Beta Mine gold recovery in the Feasibility Study is set at 88%, results show a higher average recovery of 95%.
- Vaalhoek 1 samples – collected from the Vaalhoek mine area. Vaalhoek resource currently does not form part of the LOM schedule.
- 174,000 oz of gold sit on the surface at the TGME Mine site area.

<sup>5</sup> Refer to ASX released dated 30 July 2024 titled, “Metallurgical Test Results Confirm That Gold is Recoverable from the TGME Tailings Storage Facility and Rock Dumps (174,000 OZ AU)”.



**Figure 1: Location Map - TSF**

The combined tailings dams around the TGME Plant contain in total 141,000 oz gold (See JORC Table in Appendix A).

Table 2 below is a summary of the drill results for the TGME Main TSF, where the Company is considering early processing/production through Theta's new gold plant to provide early cashflow for the Company whilst development of the underground Beta Mine is underway. Appendix B has a detailed set of drill results and methodology.

SGS South Africa (Pty) (Assay Laboratory) Ltd, engaged by TGM's preferred Engineering Procurement and Construction ("EPC") partner Yellow River Co., Pty ("YRC") (a subsidiary of Power Construction Corporation of China ("Power China")) to complete a drilling and sampling program at various tailing dams around the TGME plant. The drill locations of the Main TSF are indicated in Figure 2 below.



Hole Number	Hole depth metres	Number of samples per hole	Weighted Avr Grade per Hole (g/t)
TGME 1	5	4	1.49
TGME 2	5	4	1.54
TGME 3	19.5	13	1.38
TGME 4	16.5	11	0.93
TGME 5	3	2	1.28
TGME 6	10.5	7	1.14
TGME 7	22.5	15	1.07
TGME 8	13	9	1.45
TGME 9	4	3	1.54
TGME 10	18	12	1.36

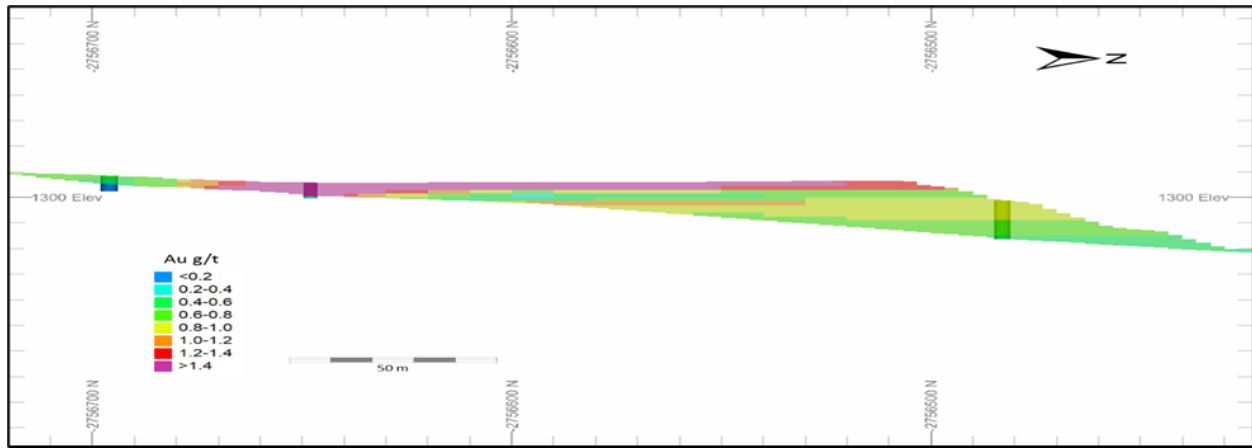
**Table 2: Summary of TGME Main Tailings Dam drill results**



**Figure 2 – Drill hole location map of the holes drilled by SGS team at the TGME Main TSF**

The program is now complete with a total of 407 meters drilled over the TGME Main, Blyde and Glynns Lydenburg TSFs with 117 meters drilled into the TGME Main TSF. Together with Power China, the immediate focus is on the TGME Main TSF (see Appendix B. Currently, various selected samples are being metallurgically tested to allow the Company to decide the possibility of adding tailings recovery to its early production schedule and generate early cash flow ahead of the planned underground development. Theta Gold currently records 141,000 ounces of gold JORC Resources (see Appendix A) across numerous tailings dams around the gold plant.

In total, 174,000 gold ounces sit on the surface, in tailings dams and surface rock dumps, surrounding the TGME gold plant, including 140,600 ounces of Indicated Resources in various tailings dams (Refer to JORC Table Appendix A).



**Figure 3: Shows Main Tailings Dam cross section showing the distribution of gold values. Note the higher grades occur in the upper 9 metres.**

### **Planning and Design of Plant**

The Theta team is currently preparing the design plans and documentation for the TGME Gold Plant build process. The purpose of this exercise is for the Company to be construction-ready once the go-ahead decision is made by the Board.

RM Process (Pty) Ltd, a South African-based process engineering company and Eco Elementum Ltd (“EcoE”), a tailings and environmental engineering company, have been appointed to complete the final designs for the plant, tailings, and water management. These companies assist Theta and Power China in compliance with local regulations.

RM Process will also assist with the final designs of the TGME Gold Plant and will form part of the execution team with Theta and Power China.

The Eco Elementum group of companies provides an array of independent, multidisciplinary, and integrated environmental science, engineering, and construction services. Eco Elementum will assist with the final designs of water management systems and assist the design team in environmental and legal compliance with the Water Use Licence.

Work in Progress:

- Updated flow sheet
- 75% completion of the scope of works
- Draft schedule completed for the final plant designs
- Draft schedules completed for the plant construction
- Draft schedule completed for the dewatering plant, water management and tailings deposition
- 69% completion of the tender process and RFQ
- NDA’s out to all vetted possible OEMs
- Team integration have started as of the first week of July 2024 (TGME, RM and EcoE)
- Long leading items identified, at 71% completion
- Project Execution Plan at 82% completion

- Data sets at 72% completion

## **Engineering Drilling**

As part of the water use licence conditions, Theta is required to drill geotechnical infill holes to ensure the tailings and existing Plant footprint are not affected by dolomites (voids in the bedrock). The old gold plant tailing has been in place for 40 years and was previously drilled.

The first holes were completed at an average hole depth of 35m, with samples collected for rock classification and final designs.

## **Environmental, Social and Governance (“ESG”)**

### **Ecological Compensation Programme - Implementation Agreement**

An Independent Environmental Scientist has been requested to provide us with a proposal to develop a guideline for the execution of the compensation programme that was developed in 2022. This plan will include recommendations on the Implementation Agreement.

Some key points to be addressed as part of the Ecological Program

- Integrated rehab plan for upper catchments and coordination capacity
- On Nature Reserves, control dense Invasive Alien Plant Species (“IAPS”) and revegetate
- Install, and maintain fire breaks
- Biocontrol development and release programs
- Erosion control measures
- Measure to improve hydrogeology of local catchment

### **Social and Labour Plan**

To mine in South Africa, companies must develop a Social and Labour Plan (“SLP”). This integrated process involves discussion with the community, local council, and Department of Mines and Energy.

The SLP focus on community needs and economic uplift for the host community. Table 3 below shows the work in progress.

<b>Task</b>		<b>Due date</b>
Appointment of SLP Consultant	✓	15 January – 31 January 2024
TGME provides background information	✓	29 January – 02 February 2024
Kick-Off Meeting	✓	05 February – 09 February 2024
Final Socio-Economic Study	✓	09 February 2024
Consultant Document Review	✓	07 February – 20 February 2024
Consultant submit Legal Review	✓	21 February 2024
Workshop session	✓	21 February 2024
Compilation of Draft SLP document	✓	22 February – 10 April 2024
Preparation for SLP Consultations	✓	22 February – 12 April 2024
SLP Consultations	✓	18 - 20 April 2024

Task		Due date
Project Priority Lists from Ward Councillors	✓	06 May 2024
Compilation of Final SLP document	✓	22 April – 31 October 2024
TGME Review SLP		02 September – 31 October 2024
Update of SLP based on TGME comments		1 – 15 November 2024
Board Approval - Final SLP		19 – 26 November 2024
Submit endorsement letters to Municipality for signature		27 – 29 November 2024
Final SLP Document		30 November 2024
Present SLP during EIA phase if necessary		28 January – 31 March 2025
Submission of final EIA/EMPR Report, SLP and MWP to the DMRE		06 May 2025

**Table 3: Social and Labour Plan (SLP)**

## **Permitting**

### **Rietfontein Approval Project**

The environmental authorisation application was submitted to the DMRE on 10 October 2023 and the final scoping report was submitted on 20 November 2023. The DMRE accepted the Final Scoping Report on 5 April 2024 and TGME may now proceed to the EIA phase of the Environmental Authorisation (EA) application process.

## **CORPORATE GOVERNANCE AND FUNDING UPDATE**

### **Company raises up to US\$16 million (~A\$24 million) via Equity Placements**

#### **Two-tranche Placement - US\$10 million (~A\$15 million)**

##### **Tranche 1:**

The Company announced on 6 May 2024 that it had received firm commitments to raise up to US\$10 million (A\$15.2 million) via a two-tranche Placement to an existing sophisticated and professional institutional investor.

The Company further announced on 16 September 2024 that Tranche 1, US\$6 million (A\$8.99 million) of the two-tranche Placement to the cornerstone institutional investor, Hong Kong Ruihua Investment Management Limited (HRIM) and its associate companies including Hong Kong Ruihua Green Development Limited (HRGD), was completed.<sup>6</sup>

##### **Tranche 2:**

As previously advised by the Company<sup>7</sup>, HRIM remains committed to providing the remaining balance of US\$4 million (~AU\$6 million) to complete Tranche 2 Placement of Shares and Options, subject to receiving the necessary Shareholder approvals which were obtained at a General Meeting held on 28 October 2024 and related Condition Precedents<sup>8</sup>.

<sup>6</sup> Refer to ASX release dated 16 September 2024 titled, "US\$8 million Private Placement and Full Redemption of AU\$6 million Secured Bonds".

<sup>7</sup> as per Reference 1.

<sup>8</sup> ASX Announcements: "[Theta Gold Mines Inks US\\$10m Equity Funding Placement](#)" dated 6 May 2024 And "[Equity Funding Placement Update](#)" dated 11 June 2024.

Tranche 2 Placement Options<sup>9</sup> will be issued on the same terms and pricing as those under Tranche 1 Placement, on a one (1) free option for every two (2) new Shares issued under Tranche 2.

The exact number of new TGM shares and attaching options issued under Tranche 2 Placement will be subject to the conversion rate applied (USD:AUD) at the time funds are received by the Company.

### **Oversubscribed Private Placement for US\$2 million:**

The Company also advised on 2 October 2024 that it has received an additional US\$2 million (~AU\$3 million) from institutional investors on the same terms as those offered in the two-tranche Placement. The Company issued 22,475,136<sup>10</sup> new TGM Shares, at the issue price of \$0.13<sup>11</sup> (13 cents) per share, along with approximately 11,237,568 attaching options following completion of the Placement.

### **Additional US\$4 Million Equity Raised**

Theta announced on 26 May 2024<sup>12</sup> it had received firm commitments from existing and new sophisticated and wholesale investors to raise a further US\$4.0 million (AU\$6.02<sup>13</sup> million) (before costs) via Share Subscription Application(s) in a private placement, **(June 2024 Placement)**, on the same terms as the previously announced Two-Tranche US\$10 million Placement announced on 6 May 2024.

Additional proceeds raised in the June 2024 Placement will result in the Company issuing a further 46,276,113<sup>14</sup> million new fully paid TGM Ordinary Shares at the issue price of A\$0.13<sup>15</sup> (13 cents) per share along with approximately 23,138,057 new attaching Options to be issued on a one (1) free Option for every two (2) New TGM Shares issued in the June 2024 Placement.

Each Option will have an exercise price equal to an 8% discount to the 15-day VWAP to the last closing price at the time of exercise (but no less than \$0.13 cents), and an expiry date 2 years from the date of issue. Options issued under the Placement will not be quoted.

New TGM Shares along with attaching Options in the June 2024 Placement will be issued following the Company obtaining the necessary Shareholder approvals at a General Meeting which was held on 28 October 2024<sup>16</sup>.

### **2Invest AG Secured Bonds Redemption:**

Following the completion of the placements mentioned above, the Company announced on 16 September 2024 that it had fully redeemed the AU\$6million Secured Bond<sup>17</sup> and all outstanding interest payments from long term investor and lender, 2Invest AG ("2Invest").

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<sup>9</sup> Each Option will have an exercise price equal to an 8% discount to the 15-day VWAP to the last closing price at the time of exercise (but no less than \$0.13 cents), and an expiry date 2 years from the date of issue.

<sup>10</sup> Number of new shares is calculated after conversion of USD to AUD at a rate of 0.6675 and applying the per share issue price of 13 cents.

<sup>11</sup> Shares issued under the additional US\$2 million Placement will be issued at a 17% discount to the 15-day VWAP.

<sup>12</sup> Ref to ASX release dated 26 June 2024 titled, "Theta Completes a Further US4m Private Placement to Complete the Detailed Engineering Design and Construction Tenders".

<sup>13</sup> The conversion price of (USD:AUD) was based on the closing spot price(s) published by the RBA.

<sup>14</sup> The exact number of new TGM shares and attaching Options to be issued in the June 2024 Placement will be dependent on the conversion rate on the day the US\$ funds are received and converted to AU\$ by the Company.

<sup>15</sup> The issue price per share of \$0.13 is a 12.3% discount to the 15-day VWAP of \$0.1482.

<sup>16</sup> Pursuant to the Share Subscription Application(s), the Company is required to hold a General Meeting of Shareholders within 3 months of completing the Share Subscription Applications(s) and any securities requiring approval to be passed by a majority of shareholders under an ordinary resolution.

<sup>17</sup> ASX Announcements: "[Funding Package to Accelerate TGME Project](#)" dated 2 August 2021.



On 30 July 2021, the Company announced it had entered into an AU\$6 million Secured Bonds facility with 2Invest AG made up of fifteen (15) 'bearer partial bonds', each with a face value of AU\$400,000 and a maturity date of 31 January 2023, which was later extended by parties.

This full bond redemption frees up the project level security package, allowing it for potential future project funding requirements.

#### **Issue of Unlisted Options to 2Invest AG**

The following unlisted options were issued to long-term investor, 2Invest AG as consideration for the extension of time to pay interest owing on the Bond. No further unlisted options are required to be issued following the full repayment of the Bond and all outstanding interest.

- 1,000,000 unlisted options, expiry date 30 December, exercise price \$0.15
- 1,000,000 unlisted options, expiry date 28 January 2025, exercise price \$0.135

#### **EPC Contracts and Debt Funding Discussions Advance**

The Company continues to advance planning and discussions with Power China towards completing the detailed engineering for the TGME Gold Plant, construction tenders, finalise the previously announced planned EPC contract for the plant and TSF build and completing debt funding packages.

#### **Cash Position**

As of 30 September 2024, the Group had US\$2.1 million in cash.

In accordance with ASX Listing Rules 5.3.1 and 5.3.2, the Company provides the following summary of expenditures incurred during the Quarter:

Mining exploration costs (including exploration labour)	US	\$ 733,121
Mining Production and Development Costs (including trial mining)	US	\$ 17,027
Licence to Operate Costs	US	\$ 4,193
<b>Total</b>	<b>US</b>	<b>\$ 754,341</b>

The Company's Quarterly Appendix 5B reported US\$105,000 in payments to related parties and their associates as noted in the Appendix 5B this payment was for directors' fees and consulting fees (including payments relating to current and prior quarters).

#### **Capital Structure**

The current capital structure of the Company at 30 September 2024 is as follows:

	<b>Number</b>
Fully paid ordinary shares (ASX: TGM)	780,677,376
Unlisted options and performance rights (see "Annexure D")	101,678,769

The market capitalisation of TGM was A\$133 million<sup>18</sup> (US\$92m) as at 30 September 2024.

This announcement was authorised for release by the Board of Directors.

<sup>18</sup> Calculated as 780,677,376 fully-paid ordinary shares on issue at the closing price of AU\$0.17 cents per share as at 30 September 2024 converted at the RBA exchange rate of AUD:USD of 0.6932.

For more information, please visit [www.thetagoldmines.com](http://www.thetagoldmines.com) or contact:

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### Theta Gold Mines' Interactive Investor Hub

The Company encourages shareholders to please join the Theta Investor Hub which allows you to ask questions directly to the Company, view video's and keep up to date on progress of the TGME Gold Project at <http://investors.thetagoldmines.com>.



**Webpage:** [www.thetagoldmines.com](http://www.thetagoldmines.com)



<https://twitter.com/ThetaGoldMines>



<https://www.linkedin.com/company/thetagoldmines/>

### Competent Persons Statement

#### MINERAL RESOURCES

Mr. Uwe Engelmann confirms that he is the Competent Person for the TGM Mineral Resources as reported on TGM's Mineral Resources which is extracted from TGM's ASX announcement dated 8 April 2021 (Initial Maiden Underground Mining Reserve) available to view at [www.asx.com.au](http://www.asx.com.au) and was prepared in accordance with the guidelines of the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code, 2012). Mr. Engelmann has read and understood the requirements of the JORC Code (2012).

Mr. Engelmann is a Competent Person as defined by the JORC Code, 2012, having more than five years' experience that is relevant to the style of mineralisation and type of deposit described in this report and to the activity for which he is accepting responsibility. Mr. Engelmann (BSc (Zoo. & Bot.), BSc Hons (Geol.), Pr.Sci.Nat. No. 400058/08, FGSSA), is a director of Minxcon (Pty) Ltd and a member of the South African Council for Natural Scientific Professions. Mr. Engelmann is a full-time employee of Minxcon (Pty) Ltd and has reviewed this report and consents to the inclusion of the matters based on his supporting information in the form and context in which it appears.

**METALLURGICAL RESULTS**

Mr. Rogan Roulstone confirms that he is the Competent Person in terms of Mineral Resources and Ore Reserves (JORC Code, 2012). Mr. Roulstone has read and understood the requirements of the JORC Code (2012).

Mr. Roulstone is a Competent Person as defined by the JORC Code, 2012, having more than five years' experience that is relevant to gold extraction and in particular gold extraction from a refractory ore body. Mr Roulstone is a Chemical Engineering (NHD) that graduated in 1993 and is member of the SAIMM (705817). Mr Roulstone is the managing director of RM process and has over nine years' experience on the TGME process plant design.

The information in this announcement that relates to TGM's Mineral Resources is extracted from TGM's ASX announcement dated 8 April 2021 (Initial Maiden Underground Mining Reserve) available to view at [www.asx.com.au](http://www.asx.com.au) and was prepared in accordance with the guidelines of the JORC Code (2012). TGM confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the Mineral Resources estimates in the relevant market announcement continue to apply and have not materially changed other than as disclosed in TGM's ASX announcement dated 25 October 2021 regarding the TGME Project Permitting Update. TGM confirms that the form and content in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

**ORE RESERVES**

The information in this report relating to Ore Reserves is based on, and fairly reflects, the information and supporting documentation compiled by Mr. Daniel van Heerden (B.Eng (Mining M.Com (Business Management), member of Engineering Council of South Africa (Pr.Eng. Reg. No. 20050318)), a director of Minxcon (Pty) Ltd and a fellow of the South African Institute of Mining and Metallurgy (FSAIMM Reg. No. 37309).

Mr Van Heerden has sufficient experience that is relevant to the style of mineralisation under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the JORC Code (2012). Mr van Heerden consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this announcement that relates to TGM's Ore Reserves is extracted from TGM's ASX announcement dated 8 April 2021 (Initial Maiden Underground Mining Reserve) available to view at [www.asx.com.au](http://www.asx.com.au) and was prepared in accordance with the guidelines of the JORC Code (2012). TGM confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the Ore Reserve estimates in the relevant market announcement continue to apply and have not materially changed other than as disclosed in TGM's ASX announcement dated 25 October 2021 regarding the TGME Project Permitting Update. TGM confirms that the form and content in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

## ABOUT THETA GOLD MINES LIMITED

Theta Gold Mines Limited (ASX: TGM ) is a gold development company that holds a range of prospective gold assets in a world-renowned South African gold mining region. These assets include several surface and near-surface high-grade gold projects which provide cost advantages relative to other gold producers in the region.

Theta Gold's core project is located next to the historical gold mining town of Pilgrim's Rest, in Mpumalanga Province, some 370km northeast of Johannesburg by road or 95km north of Nelspruit (Capital City of Mpumalanga Province).

Following small scale production from 2011 – 2015, the Company is currently focussing on the construction and financing of a new gold processing plant within its approved footprint at the TGME plant. The company has completed a FS in July 2022 for the first four mines Beta, CDM, Frankfort and Rietfontein (TGME Underground Project). The Base Case LOM plan will comprise a 12.9-year mining operation starting in 2023 and delivering production of 1.24 million ounces of contained gold.

The estimated development capital or peak funding requirement is USD77 million (AUD102 million), with the Project forecast to generate a pre-tax NPV10% of USD324 million (AUD432 million) and pre-tax Internal Rate of Return (IRR) of 65% at the forecast gold price of averaging USD1,642/oz over the LOM. The Company aims to build a solid production platform to over next 5 years to 160kozpa based primarily around shallow, open-pit or adit-entry shallow underground hard rock mining sources. Theta Gold has access to over 43 historical mines and prospect areas that can be accessed and explored, with over 6.7Moz of historical production recorded.

Theta Gold holds 100% issued capital of its South African subsidiary, Theta Gold SA (Pty) Ltd ("TGSA"). TGSA holds a 74% shareholding in both Transvaal Gold Mining Estates Limited ("TGME") and Sabie Mines (Pty) Ltd ("Sabie Mines"). The balance of shareholding is held by Black Economic Empowerment ("BEE") entities. The South African Mining Charter requires a minimum of 26% meaningful economic participation by the historically disadvantaged South Africans ("HDSAs"). The BEE shareholding in TGME and Sabie Mines is comprised of a combination of local community trusts, an employee trust and a strategic entrepreneurial partner.





## **DISCLAIMER**

This announcement has been prepared by and issued by Theta Gold Mines Limited to assist in informing interested parties about the Company and should not be considered as an offer or invitation to subscribe for or purchase any securities in the Company or as an inducement to make an offer or invitation with respect to those securities. No agreement to subscribe for securities in the Company will be entered into on the basis of this announcement.

This announcement may contain forward looking statements. Whilst Theta Gold has no reason to believe that any such statements and projections are either false, misleading or incorrect, it does not warrant or guarantee such statements. Nothing contained in this announcement constitutes investment, legal, tax or other advice. This overview of Theta Gold does not purport to be all inclusive or to contain all information which its recipients may require in order to make an informed assessment of the Company's prospects. Before making an investment decision, you should consult your professional adviser, and perform your own analysis prior to making any investment decision. To the maximum extent permitted by law, the Company makes no representation and gives no assurance, guarantee or warranty, express or implied, as to, and take no responsibility and assume no liability for, the authenticity, validity, accuracy, suitability or completeness of, or any errors in or omissions, from any information, statement or opinion contained in this announcement. This announcement contains information, ideas and analysis which are proprietary to Theta Gold.

## **FORWARD LOOKING AND CAUTIONARY STATEMENTS**

This announcement may refer to the intention of Theta Gold regarding estimates or future events which could be considered forward looking statements. Forward looking statements are typically preceded by words such as "Forecast", "Planned", "Expected", "Intends", "Potential", "Conceptual", "Believes", "Anticipates", "Predicted", "Estimated" or similar expressions. Forward looking statements, opinions and estimates included in this announcement are based on assumptions and contingencies which are subject to change without notice, and may be influenced by such factors as funding availability, market-related forces (commodity prices, exchange rates, stock market indices and the like) and political or economic events (including government or community issues, global or systemic events). Forward looking statements are provided as a general reflection of the intention of the Company as at the date of release of the document, however are subject to change without notice, and at any time. Future events are subject to risks and uncertainties, and as such results, performance and achievements may in fact differ from those referred to in this announcement. Mining, by its nature, and related activities including mineral exploration, are subject to a large number of variables and risks, many of which cannot be adequately addressed, or be expected to be assessed, in this document. Work contained within or referenced in this report may contain incorrect statements, errors, miscalculations, omissions and other mistakes. For this reason, any conclusions, inferences, judgments, opinions, recommendations or other interpretations either contained in this announcement, or referencing this announcement, cannot be relied upon. There can be no assurance that future results or events will be consistent with any such opinions, forecasts or estimates. The Company believes it has a reasonable basis for making the forward looking statements contained in this document, with respect to any production targets, resource statements or financial estimates, however further work to define Mineral Resources or Reserves, technical studies including feasibilities, and related investigations are required prior to commencement of mining. No liability is accepted for any loss, cost or damage suffered or incurred by the reliance on the sufficiency or completeness of the information, opinions or beliefs contained in this announcement.

The Feasibility Study referred to in this announcement is based on technical and economic assessments to support the estimation of Ore Reserves. There is no assurance that the intended development referred to will proceed as described, and will rely on access to future funding to implement. Theta Gold believes it has reasonable grounds the results of the Feasibility Study. At this stage there is no guarantee that funding will be available, and investors are to be aware of any potential dilution of existing issued capital. The production targets and forward looking statements referred to are based on information available to the Company at the time of release, and should not be solely relied upon by investors when making investment decisions. Theta Gold cautions that mining and exploration are high risk, and subject to change based on new information or interpretation, commodity prices or foreign exchange rates. Actual results may differ materially from the results or production targets contained in this release. Further evaluation is required prior to a decision to conduct mining being made. The estimated Mineral Resources quoted in this release have been prepared by

Competent Persons as required under the JORC Code (2012). Material assumptions and other important information are contained in this release.

The Company confirms that all material assumptions underpinning the production target, or the forecast financial information derived from the production target continue to apply and have not materially changed from that released in the definitive Feasibility Study released to ASX on 27 July 2022.

## ANNEXURE A

### Mineral Resource and Mining Reserves

*Combined Mineral Resource as at 1 February 2021*

Resource Classification	Type of Operation	Combined Mineral Resource			
		Tonnage	Gold Grade	Gold Content	
		Mt	g/t	Kg	koz
Measured	Underground	0.091	5.37	489	15.7
	Open pit				
	Tailings				
<b>Total Measured</b>		<b>0.091</b>	<b>5.37</b>	<b>489</b>	<b>15.7</b>
Indicated	Underground	4.774	6.21	29 661	953.7
	Open Pit	8.109	2.14	17 364	558.2
	Tailings	5.244	0.83	4 373	140.6
<b>Total Indicated</b>		<b>18.128</b>	<b>2.84</b>	<b>51 398</b>	<b>1,652.5</b>
Inferred	Underground	21.452	5.22	111 880	3597.0
	Open pit	4.907	5.11	25 057	805.6
	Tailings	0.023	0.57	13	0.4
	Rock Dump	0.885	1.20	1 059	34.0
<b>Total Inferred</b>		<b>27.267</b>	<b>5.06</b>	<b>138,009</b>	<b>4,437.0</b>
<b>Grand Total</b>		<b>45.485</b>	<b>4.17</b>	<b>189,896</b>	<b>6,105.2</b>

**Notes:**

- Columns may not add up due to rounding.
- Gold price used for the cut-off calculations is USD 1,500/oz.
- UG Mineral Resources are reported at a cut-off of 160 cm.g/t, open pit at 0.5 g/t and 0.35 g/t, tailings and rock dumps at 0.35 g/t.
- Fault losses of 5% for Measured and Indicated, 10% for Inferred Mineral Resources.
- Mineral Resources are stated as inclusive of Ore Reserves.
- Mineral Resources are reported as total Mineral Resources and are not attributed.

*Mineral Resources for the TGM Tailings Dams as at 1 February 2021*

Mineral Resource Classification	Surface Operation	Reef	Tonnage	Gold	Gold Content	
			Mt	g/t	kg	koz
Indicated	Glynn's Lydenburg	Tailings	1.211	0.80	972	31.3
	Blyde 1	Tailings	0.590	0.73	434	14.0
	Blyde 2	Tailings	0.280	0.83	234	7.5
	Blyde 3	Tailings	0.316	0.87	275	8.8
	Blyde 4	Tailings	0.164	0.72	119	3.8
	Blyde 5	Tailings	0.022	0.61	14	0.4
	TGM Plant	Tailings	2.661	0.87	2,325	74.8
<b>Total Indicated</b>			<b>5.244</b>	<b>0.83</b>	<b>4,373</b>	<b>140.6</b>

Mineral Resource Classification	Surface Operation	Reef	Tonnage	Gold	Gold Content	
			Mt	g/t	kg	koz
Inferred	Blyde 3a	Tailings	0.023	0.57	13	0.4
<b>Total Inferred</b>			<b>0.023</b>	<b>0.57</b>	<b>13</b>	<b>0.4</b>

**Notes:-**

- Mineral Resource cut-off of 0.35 g/t applied.
- TGM Plant tailings: 10% discount applied for volume uncertainty.
- Gold price used for the cut-off calculations is USD 1,500/oz.
- Mineral Resources are stated as inclusive of Ore Reserves.
- Mineral Resources are reported as total Mineral Resources and are not attributed.

*Mineral Resources for the TGM Rock Dumps as at 1 February 2021*

Mineral Resource Classification	Surface Operation	Reef	Tonnage	Gold	Gold Content	
			Mt	g/t	kg	koz
Inferred	Vaalhoek	Rock Dump	0.121	1.64	199	6.4
Inferred	South East (DGs)	Rock Dump	0.408	0.93	379	12.2
Inferred	Peach Tree	Rock Dump	0.092	1.23	114	3.7
Inferred	Ponieskrantz	Rock Dump	0.129	1.63	211	6.8
Inferred	Dukes Clewer	Rock Dump	0.134	1.16	156	5.0
<b>Total Inferred</b>			<b>0.885</b>	<b>1.20</b>	<b>1,059</b>	<b>34.0</b>

**Notes:-**

1. Mineral Resource cut-off of 0.35 g/t applied.
2. Gold price used for the cut-off calculations is USD1,500/oz.
3. Mineral Resources are stated as inclusive of Ore Reserves.
4. Mineral Resources are reported as total Mineral Resources and are not attributed.

*Combined Underground and Open Pit Ore Reserves as at 1 February 2021*

Operation	Grade	Tonnes	Au Content	
	g/t	kt	kg	koz
Beta	6.51	1,662	10,822	347.94
Frankfort	4.13	319	1,317	42.33
CDM	2.31	385	889	28.58
Open Pit (MR83)	2.74	2,164	4,996	160.61
<b>Total</b>	<b>3.98</b>	<b>4,530</b>	<b>18,023</b>	<b>579.46</b>

**Notes:**

1. The information pertaining to the Ore Reserve estimation is detailed in the notes of the Ore Reserve tabulation for the individual operations.



## APPENDIX B DETAILED METHODOLOGY AND GOLD RECOVERY RESULTS

Table 4 below shows the laboratory results for the four composite samples.

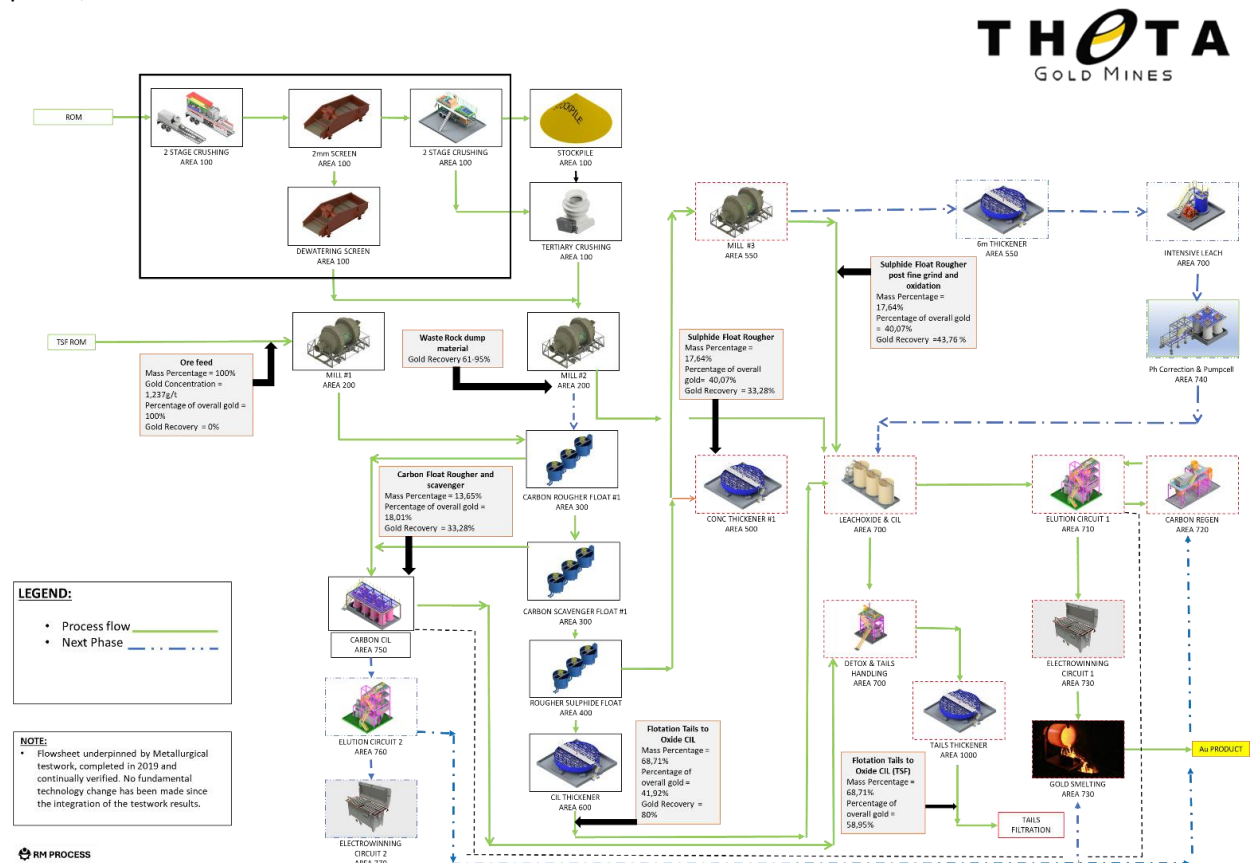
Sample No.	Type	Head Grade g/t	Gold Recovery %
TGME A	Tailings Dam Material	1.24 g/t	58.95%
Beta and Peach Tree	Surface Rock Dump	0.94 g/t	95.43%
Vaalhoek 1	Surface Rock Dump	1.19 g/t	95.46%
Vaalhoek 2	Surface Rock Dump	1.05 g/t	61.42%

### Gold Recovery method

The feed to the process plant can be categorized into two primary types, namely oxidized ore body and an ore body containing carbonaceous and sulphide material. Within the definition of the aforementioned description the samples can then be categorized as follows:

- Sample categorized as oxidized ore (Free milling)
  - Beta and Peachtree
  - Vaalhoek 1
  - Vaalhoek 2
- Samples categorized as sulphide ore
  - TGME A- Current tailings storage facility

The laboratory method of the treating the samples followed the process developed during the feasibility phase, which is as follows:



The net result of this testwork is defined in Table 4.

Oxidized ore (Beta and Peachtree, Vaalhoek 1&2):

The test results achieved are based on the green lines above and can be broadly described as follows:

- ROM ore received and subjected to a three (3) stage crushing circuit,
- Post the crushing circuit the ore is finely ground to a product size of 80% pass 75 micron,
- The resulting slurry post milling is then thickened to 50% solids,
- The slurry is then subjected to a 24h CIL leach,
- Detoxification of residual cyanide follows the CIL process,
- Thickening of final tails is then performed.

Of interest to note is that the gold extraction reaction was complete within 4 hours.

The sulphide ore (TGME A):

The test results flow sheet description can be briefly described as follows:

- Attrition via a ball mill
- Thicken the resulting slurry to 30% solids,
- Float the carbonaceous material and treat this via a high carbon activity CIL 24 hour bottle roll
- The tailings resulting from carbon floatation is then conditioned and the sulphide material is floated,
- The concentrate post flotation is then subject to fine grinding with a resulting product of 80% passing 38 micron,
- The tails from the sulphide floatation and the finely ground sulphide concentrate is then subjected to a high shear reactor with direct oxygen (laboratory used peroxide) injection into a high circulating volume shear reactor.
- Post the oxidation process the resulting slurry is adjusted for pH control,
- Post pH adjustment a 24-hour CIL leach is performed on the resulting slurry,
- Detoxification of residual cyanide is performed on the material post leaching,
- Thickening of final tails is the final step.

The results illustrate and confirm the process and technology selection in the feasibility phase.

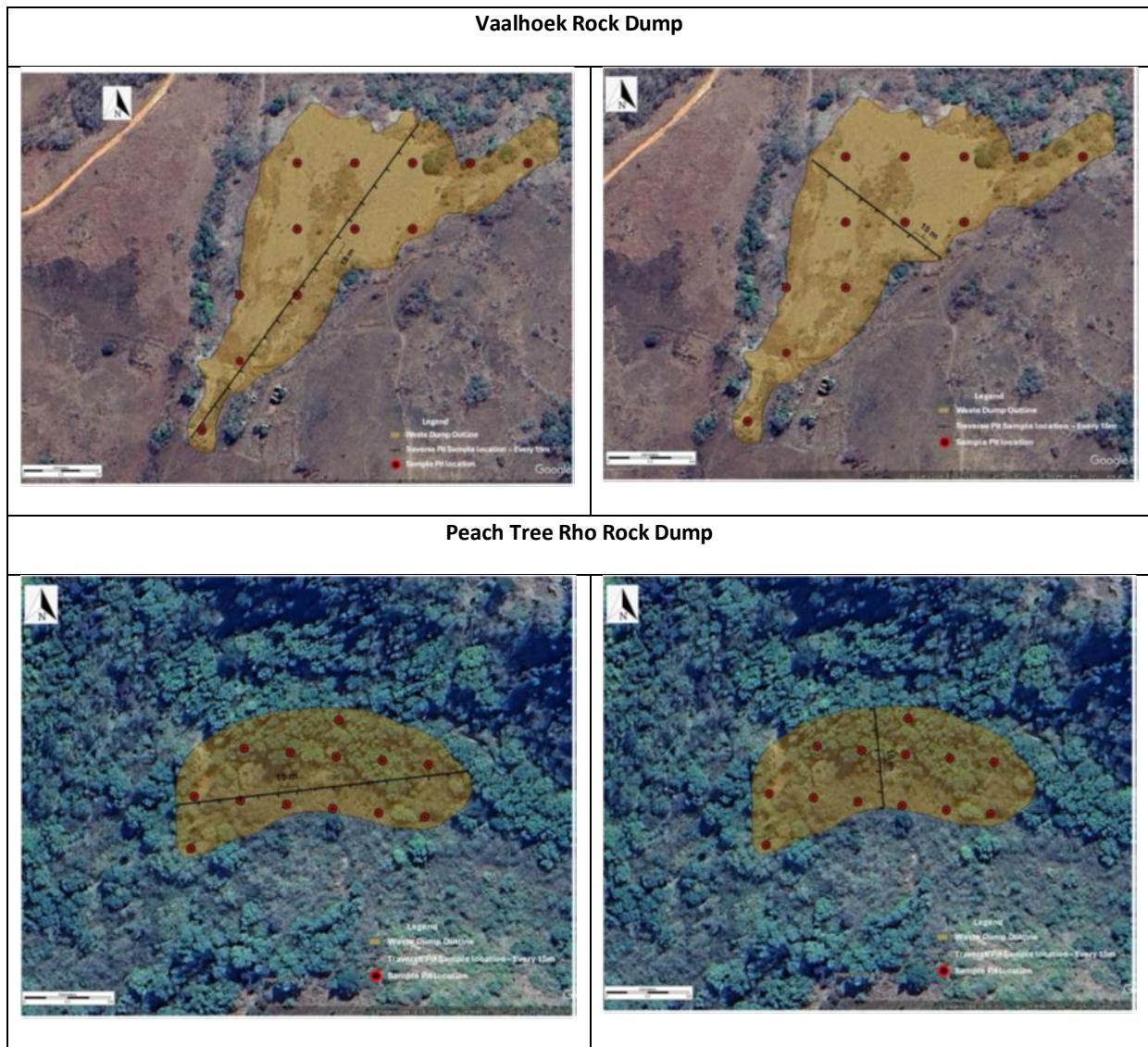
### **Sampling Collection Method for the Surface Rock Dumps**

The surface rock dump sampling programme was aimed at confirming the historical grades utilised in the inferred Mineral Resource practically and cost-effectively. The sampling exercise was not aimed at producing a compliant indicated Mineral Resource but rather at confirming the grades.

The sampling programme was aimed at gathering as many individual samples as practically possible to produce enough samples to obtain a fair spread across the surface rock dumps. These samples were then averaged to get a representative grade of the material.

The sampling programme was designed to test the surface spread as well as the depth profile. This was achieved by conducting a surface sampling grid across the rock dump as well as taking samples along two traverses (length and width) to sample the depth profile.

The traverse sampling pits were excavated by Excavator and TLB, to depths up to 4.5 meters and were executed at regular 15 m intervals along the traverses for both the width and length of the rock dump site, as depicted in Figure 4.

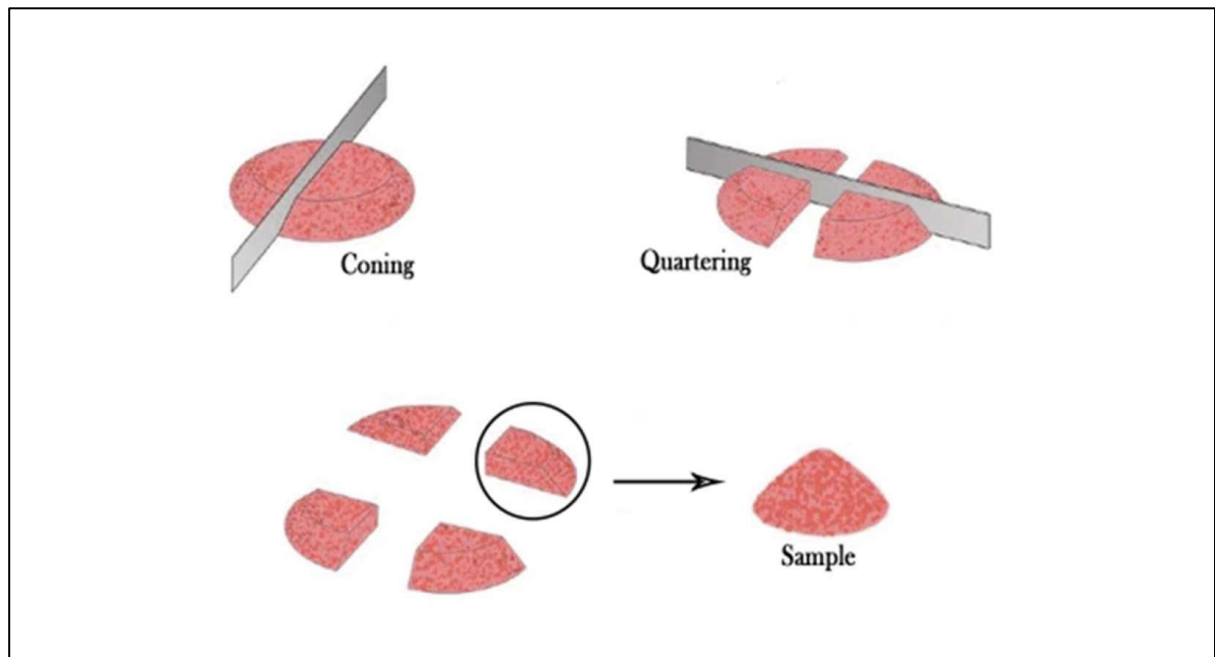


**Figure 4 - Traverse sampling pits**

Sampling was conducted at uniform 1.5 m intervals down these sample sections (pits), with extracted samples subsequently transferred onto a conveyor belt next to the pit for further processing.

The cone and split sample procedure was used to obtain a manageable-sized sample, Refer to Figure 5. The cone and split sample technique serves as a methodical approach for partitioning large sample material into representative subsamples. This methodology proves particularly advantageous when dealing with substantial sample sizes requiring reduction for subsequent analytical, testing, or storage purposes.





**Figure 5 – Coning and Quartering of Samples**

The cut samples were crushed at the on-site laboratory and subsequently screened to a 1 cm sieve fraction. Following this initial process, the sample was subjected to two additional rounds of splitting utilising a 2-way rotary splitter to generate two distinct samples designated for dispatch to Power China and Ready Lead Laboratory, respectively. Refer to Figure 6. A total of 344 samples were prepared, with 172 samples delivered to the offices of Power China and 172 samples delivered to Ready Labs.



**Figure 6 – On-site Laboratory prep work.**



## Sampling Collection Method for Main Tailings Dam

SGS South Africa (Pty) (Assay Laboratory) Ltd utilised a power auger drill rig. The portable rigs utilise a rotating spiral encased in a stainless-steel core barrel. This method ensures that contamination of the sample is minimised. Because the drilling is performed dry, under relatively stable conditions, no back mixing of the samples or chemical alteration of the elements in the samples can occur. The auger is advanced to refusal (“hard objects”) or until the soil is encountered, indicating that the base or natural ground level below the tailings has been reached.

The rig utilises a 50 mm nominal bore drill rod producing approximately 2-3 kg of sample per meter drilled. Samples were drawn in 1.5 m increments, which resulted in between 3 and 4.5 kg of sample per increment. Final hole samples potentially had a smaller increment if they hit refusal before 1.5m was completed.

All the samples collected were indexed on-site and divided into two equal samples by making use of a two-way sample splitter. These samples were placed in labelled calico bags with one duplicate sample delivered to Ready Leads Assay Testing Laboratory (“Ready Labs”) in South Africa and one sample delivered to Power China for storage. Ready Labs is located at Cloverfield Ave & Outeniqua Road Eastvale Springs Gauteng and is a SANAS-accredited testing Laboratory with certificate number T0689.

Ready Labs completed a 50-gram fire assay on the samples with internal QA&QC using AMIS0882-85 gold standards. Gold standards were also added by Power China to samples dispatched to Ready Labs. The gold standard return assays within specification limits.

Currently, only samples at the Main Tailings Storage Facility were composited on the mine site and dispatched to Super Labs and MAK Analytics for gold recovery test work. For the Main Tailings Storage Facility, the composite head grades conformed to grade expectations.

The drill hole locations were collected by a hand handle sub 5m GPS unit and validated by spatial reference to the TGME Main TSF landform features (See tables below). Drill hole depth was determined by the depth of the tailing dam or drill refusal.

**Table 5: Drill Hole Locations**

Hole Number	Drill Hole Co-Ordinates	
TGME 1	24 54.921S	030 44.369E
TGME 2	24 54.883S	030 44.432E
TGME 3	24 54.826S	030 44.518E
TGME 4	24 54.841S	030 44.400E
TGME 5	24 54.922S	030 44.423E
TGME 6	24 54.861S	030 44.431E
TGME 7	24 54.885S	030 44.307E
TGME 8	24 54.948S	030 44.371E
TGME 9	24 54.913S	030 44.312E
TGME 10	24 54.826S	030 44.441E

Note: Hole co-ordinates in WGS 84

SGS South Africa (Pty) (Assay Laboratory) completed the drill program under the supervision of the TGME mine-site staff and Power China representatives. The drill program was designed by Minxcon.

The drilling results support the existing JORC-Indicated Mineral Resource for the TGME Main TSF. These drill results were also validated by comparing the results to the 2015 drill program by Minxcon.

**Table 6: Drill Results for the TGME Main TSF**

Hole number TGME	Sample End Depth (m)	Sample Name	Grade (g/t)
1	1.5	21/03 TGME 001 NO.1B DEPT. 1.5M 1	1.542
1	3	21/03 TGME 001 NO.1B DEPT. 3M 1	1.270
1	4.5	21/03 TGME 001 NO.1B DEPT. 4.5M 1	1.514
1	5	21/03 TGME 001 NO.1B DEPT. 5M 1	2.016
2	1.5	21/03 TGME 002 NO.1A DEPT. 1.5M 1	1.508
2	3	21/03 TGME 002 NO.1A DEPT. 3M 1	1.514
2	4.5	21/03 TGME 002 NO.1A DEPT. 4.5M 1	1.581
2	5	21/03 TGME 002 NO.1A DEPT.5M 1	1.667
3	1.5	21/03 TGME 003 NO.1B DEPT. 1.5M 1	1.474
3	3	21/03 TGME 003 NO.1B DEPT. 3M 1	1.660
3	4.5	21/03 TGME 003 NO.1B DEPT. 4.5M 1	1.905
3	6	21/03 TGME 003 NO.1B DEPT.6M 1	1.793
3	4.5	21/03 TGME 003 NO.1B DEPT.7.5M 1	0.870
3	9	21/03 TGME 003 NO.1B DEPT.9M 1	0.754
3	10.5	21/03 TGME 003 NO.1B DEPT.10.5M 1	0.996
3	12	21/03 TGME 003 NO.1B DEPT.12M 1	1.225
3	13.5	21/03 TGME 003 NO.1B DEPT.13.5M 1	1.071
3	15	21/03 TGME 003 NO.1B DEPT.15M 1	0.916
3	16.5	21/03 TGME 003 NO.1B DEPT.16.5M 1	1.107
3	18	21/03 TGME 003 NO.1B DEPT.18M 1	3.373
3	19.5	21/03 TGME 003 NO.1B DEPT.19.5M 1	0.876
4	1.5	21/03 TGME 004 NO.1B DEPT.1.5M 1	1.304
4	3	21/03 TGME 004 NO.1B DEPT.3M 1	1.825
4	4.5	21/03 TGME 004 NO.1B DEPT.4.5M 1	1.186
4	6	21/03 TGME 004 NO.1B DEPT.6M 1	0.794
4	7.5	21/03 TGME 004 NO.1B DEPT.7.5M 1	0.717
4	9	21/03 TGME 004 NO.1B DEPT.9M 1	0.870
4	10.5	21/03 TGME 004 NO.1B DEPT.10.5M 1	0.992
4	12	21/03 TGME 004 NO.1B DEPT.12M 1	0.916
4	13.5	21/03 TGME 004 NO.1B DEPT.13.5M 1	0.830
4	15	21/03 TGME 004 NO.1B DEPT.15M 1	0.119
4	16.5	21/03 TGME 004 NO.1B DEPT.16.5M 1	0.717
5	1.5	21/03 TGME 005 NO.1B DEPT. 1.5M 1	1.265
5	3	21/03 TGME 005 NO.1B DEPT. 3M 1	1.310
6	1.5	21/03 TGME 006 NO.1B DEPT.1.5M 1	2.351
6	3	21/03 TGME 006 NO.1B DEPT.3M 1	1.581
6	4.5	21/03 TGME 006 NO.1B DEPT.4.5M 1	0.952
6	6	21/03 TGME 006 NO.1A DEPT.6M 1	0.359
6	7.5	21/03 TGME 006 NO.1B DEPT.7.5M 1	0.474
6	9	21/03 TGME 006 NO.1B DEPT.9M 1	1.310
6	10.5	21/03 TGME 006 NO.1B DEPT.10.5M 1	0.988
7	1.5	22/03 TGME 007 NO.1B DEPT.1.5M 1	1.270
7	3	22/03 TGME 007 NO.1B DEPT.3M 1	1.315
7	4.5	22/03 TGME 007 NO.1B DEPT.4.5M 1	1.462
7	6	22/03 TGME 007 NO.1B DEPT.6M 1	0.356
7	7.5	22/03 TGME 007 NO.1B DEPT.7.5M 1	0.677

7	9	22/03 TGME 007 NO.1B DEPT.9M 1	0.593
7	10.5	22/03 TGME 007 NO.1B DEPT.10.5M 1	0.833
7	12	22/03 TGME 007 NO.1B DEPT.12M 1	0.830
7	13.5	22/03 TGME 007 NO.1B DEPT.13.5M 1	0.873
7	15	22/03 TGME 007 NO.1B DEPT.15M 1	0.717
7	16.5	22/03 TGME 007 NO.1B DEPT.16.5M 1	4.111
7	18	22/03 TGME 007 NO.1B DEPT.18M 1	0.711
7	19.5	22/03 TGME 007 NO.1B DEPT.19.5M 1	0.754
7	21	22/03 TGME 007 NO.1B DEPT.21M 1	0.717
7	22.5	22/03 TGME 007 NO.1B DEPT.22.5M 1	0.870
8	1.5	21/03 TGME 008 NO.1B DEPT. 1.5M 1	1.349
8	3	21/03 TGME 008 NO.1B DEPT. 3M 1	1.389
8	4.5	21/03 TGME 008 NO.1B DEPT.4.5M 1	1.434
8	6	21/03 TGME 008 NO.1B DEPT.6M 1	1.542
8	7.5	21/03 TGME 008 NO.1B DEPT.7.5M 1	1.349
8	9	21/03 TGME 008 NO.1B DEPT.9M 1	2.231
8	10.5	21/03 TGME 008 NO.1B DEPT.10.5M 1	1.265
8	12	21/03 TGME 008 NO.1B DEPT.12M 1	1.111
8	13	21/03 TGME 008 NO.1B DEPT.13M 1	1.394
9	1.5	21/03 TGME 009 NO.1B DEPT.1.5M 1	1.660
9	3	21/03 TGME 009 NO.1B DEPT.3M 1	1.429
9	4	21/03 TGME 009 NO.1B DEPT.4M 1	1.554
10	1.5	21/03 TGME 0010 NO.1B DEPT.1.5M 1	2.174
10	3	21/03 TGME 0010 NO.1B DEPT.3M 1	2.372
10	4.5	21/03 TGME 0010 NO.1B DEPT.4.5M 1	0.833
10	6	21/03 TGME 0010 NO.1B DEPT.6M 1	1.474
10	7.5	21/03 TGME 0010 NO.1B DEPT.7.5M 1	1.067
10	9	21/03 TGME 0010 NO.1B DEPT.9M 1	1.032
10	10.5	21/03 TGME 0010 NO.1B DEPT.10.5M 1	0.830
10	12	21/03 TGME 0010 NO.1B DEPT.12M 1	0.873
10	13.5	21/03 TGME 0010 NO.1B DEPT.13.5M 1	0.916
10	15	21/03 TGME 0010 NO.1B DEPT.15M 1	0.791
10	16.5	21/03 TGME 0010 NO.1B DEPT.16.5M 1	3.214
10	18	21/03 TGME 0010 NO.1B DEPT.18M 1	0.837

## ANNEXURE C

### Mining Rights and Applications for Mining Rights

MR No	Description	Farms	Effective Date	Expiry Date	Remarks
<b>NORTHERN TENEMENTS (MR83, MR330, MR340, MR341, MR10167)</b>					
MR 83	Greater TGME	Portions 1, 2, 3, 4, 5 and the Remaining Extent of Frankfort 509KT, Krugers Hoop 527 KT, Portions 1, 2 and the Remaining Extent of Morgenzon 525 KT, Peach Tree 544 KT, Portions 18, 42, 43, 44 and Remaining Extent of Ponieskrans 543 KT and Portion 1 and the Remaining Extent of Van der Merwes Reef 526 KT	16-Oct-13	15-Oct-23	Granted
MR 330	Beta Re-Development & Grootfontein Cluster	Portions 1, 2, 3 and the Remaining Extent of Grootfonteinberg 561 KT and Remaining Extent of Grootfontein 562 KT	Refer Note 1	Refer Note 1	Granted
MR 340	Hermansburg	Portion of the Remaining Extent of Hermansburg 495 KT	10-Jul-13	09-July-23	Granted
MR 341	PTD's	Portions 1 and 2 and a Portion of the Remainder Extent of Grootfontein 562KT	25-Sep-19	16-Feb-22	Renewal submitted
MR 10167	TGME	Desire 563KT, RE and Ptn 1, 2, 3, 12, 14, 15, 17, 18, 19, 20, 22 and 23 of Doornhoek 545KT, RE and Ptn 1, 2 and 3 Rotunda Greek 510KT, Vaalhoek 474KT, Buffelsfontein 452KT, RE and Ptn 1 of Willemsoord 476KT, Sacramento 492KT, Granite Hill 477KT, Blackhill 528KT, Manx 475KT, Klondyke 493KT, Hermansburg 495KT	Refer Note 1	Refer Note 1	Consolidation of Prospecting Rights 10255PR, 10404PR, 10254PR  Granted
<b>SOUTHERN TENEMENTS (MR198, MR358, MR433, MR10161)</b>					
MR198	Elandsdrift Heap Leach Pad	Portions 1 and 2 of Elandsdrift 220 JT	18-Mar-08	17-Mar-09	Renewal submitted
MR 358	Rietfontein	Portion of the Remaining Extent and Portion 2 and 3 of the farm Spitskop 195 JT, Portion of Portion 16 of Waterval 168 JT and Portion of the Remaining Extent of Maliveld Valle 192 JT	05-Jun-13	04-Jun-28	Amendment application pending to incorporate portions of Portions 1, 4 and 6 of the farm Rietfontein 193 JT
MR 433	Glynn's Lydenburg	Portion 5 of Grootfontein 196 JT and Remaining Extent of Olifantsgeraamte 198 JT	12-Nov-13	11-Nov-23	Granted
MR 10161	Sabie	Spitzkop 195JT, Ptns of the RE and Ptn 1 of Hendriksdal 216JT, Grootfontein 196JT, Waterval 168JT, Sheba 219JT, Vertrouwing 218JT, Olifants Geraamte 198JT, Rietfontein 193JT	Refer Note 1	Refer Note 1	Consolidation of Prospecting Rights 10005PR, 660PR, 10252PR  Granted

*Note 1:*

*The period of grant of the mining right will be determined upon execution thereof. In the South African context, mining rights may be granted for up to 30 years and are renewable thereafter.*

## ANNEXURE D

### Unlisted Options, Performance Rights and Bonds

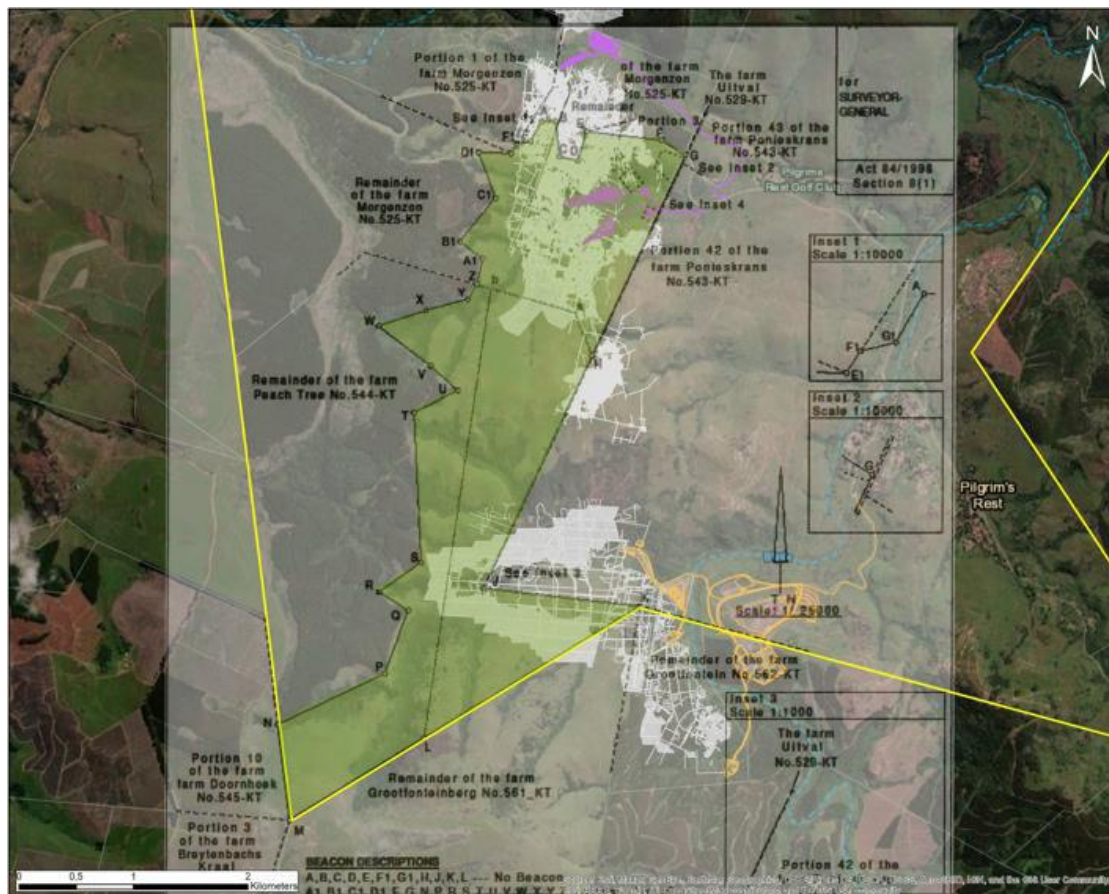
Number	Performance Hurdle/Vesting Date (if applicable)	Exercise Price	Expiry Date
<b>OPTIONS</b>			
1,200,000	NA	\$0.40	30 Sept 2025
240,000	NA	\$0.50	30 Sept 2025
800,000	NA	\$0.12	30 Sept 2025
600,000	NA	\$0.12	30 Sept 2027
900,000	NA	\$0.17	30 Sept 2027
9,150,000	NA	\$0.12	30 Sept 2025
2,650,000	NA	\$0.17	30 Sept 2027
300,000	NA	\$0.25	20 Sept 2027
1,000,000	NA	\$0.145	30 Nov 2024
1,000,000	NA	\$0.15	30 Dec 2024
1,000,000	NA	\$0.135	28 Jan 2025
30,000,000	NA	\$0.12	31 Mar 2025
34,568,769	NA	\$0.13	17 Sep 2026
<b>83,408,769</b>	<b>TOTAL OPTIONS</b>		
<b>PERFORMANCE RIGHTS</b>			
240,000	12 months production (ounces) on schedule as per Theta Project Optimised Feasibility Study or from underground mine production, or the combination thereof, at AISC of US\$855/oz (+/- 10%)	Nil	30 Sep 2025
240,000	Achieving annualised production of over 100,000 ounces of gold per annum over a consecutive period of 3 months.	Nil	30 Sep 2025
240,000	Achieving annualised production of over 100,000 ounces of gold per annum over a consecutive period of 3 months.	Nil	30 Sep 2025
2,750,000	Decision to Mine	Nil	30 Sep 2025
5,250,000	Production Commencement	Nil	30 Sep 2025
700,000	3 months production (ounces) on schedule as per Theta Project Optimised Feasibility Study or from underground mine production, or the combination thereof, at AISC of US\$855/oz (+/- 10%) 12 months production (ounces) on schedule as per Theta Project Optimised Feasibility Study or from underground mine production, or the combination thereof, at AISC of US\$855/oz (+/- 10%)	Nil	30 Sep 2025



700,000	12 months production (ounces) on schedule as per Theta Project Optimised Feasibility Study or from underground mine production, or the combination thereof, at AISC of US\$855/oz (+/- 10%)	Nil	30 Sep 2027
1,700,000	Consecutive 3 months >50k annualised ounces	Nil	30 Sep 2025
2,650,000	Consecutive 3 months >100k annualised ounces	Nil	30 Sep 2027
3,800,000	Consecutive 3 months >150k annualised ounces	Nil	30 Sep 2027
<b>18,270,000</b>	<b>TOTAL PERFORMANCE RIGHTS/OPTIONS</b>		
<b>101,678,769</b>	<b>TOTAL OPTIONS, PERFORMANCE RIGHTS/OPTIONS AND BOND NOTE</b>		

### Annexure E

The forest nature reserve declared area overlaid with the underground mine plan is shown below.



## Appendix 5B

### Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

THETA GOLD MINES LIMITED

ABN

30 131 758 177

Quarter ended ("current quarter")

30 September 2024

Consolidated statement of cash flows		Current quarter \$US'000	Year to date (3 months) \$US'000
<b>1.</b>	<b>Cash flows from operating activities</b>		
1.1	Receipts from customers		
1.2	Payments for		
	(a) exploration & evaluation	(205)	(205)
	(a) development	-	-
	(b) production	-	-
	(c) staff costs	(365)	(365)
	(d) administration and corporate costs	(33)	(33)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	21	21
1.5	Interest and other costs of finance paid	(3)	(3)
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	-
1.8	Other (provide details if material)	-	-
<b>1.9</b>	<b>Net cash from / (used in) operating activities</b>	<b>(585)</b>	<b>(585)</b>
<b>2.</b>	<b>Cash flows from investing activities</b>		
2.1	Payments to acquire or for:		
	(a) entities	-	-
	(a) tenements	-	-
	(b) property, plant and equipment	(88)	(88)
	(c) exploration & evaluation	(1,299)	(1,299)
	(d) investments	-	-
	(e) other – environmental rehabilitation bond	(24)	(24)

<b>Consolidated statement of cash flows</b>		<b>Current quarter \$US'000</b>	<b>Year to date (3 months) \$US'000</b>
2.2	Proceeds from the disposal of: entities		
	(a) tenements	-	-
	(b) property, plant and equipment	-	-
	(c) investments	-	-
	(d) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (provide details if material)	-	-
<b>2.6</b>	<b>Net cash from / (used in) investing activities</b>	<b>(1,411)</b>	<b>(1,411)</b>

<b>3.</b>	<b>Cash flows from financing activities</b>		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	6,073	6,073
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	-	-
3.5	Proceeds from borrowings	69	69
3.6	Repayment of borrowings	-	-
3.7	Transaction costs related to loans and borrowings	(4,589)	(4,589)
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
<b>3.10</b>	<b>Net cash from / (used in) financing activities</b>	<b>1,553</b>	<b>1,553</b>

<b>4.</b>	<b>Net increase / (decrease) in cash and cash equivalents for the period</b>		
4.1	Cash and cash equivalents at beginning of period	2,545	2,545
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(585)	(585)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(1,411)	(1,411)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	1,553	1,553

<b>Consolidated statement of cash flows</b>		<b>Current quarter \$US'000</b>	<b>Year to date (3 months) \$US'000</b>
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	<b>Cash and cash equivalents at end of period</b>	<b>2,102</b>	<b>2,102</b>

<b>5.</b>	<b>Reconciliation of cash and cash equivalents</b> at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	<b>Current quarter \$US'000</b>	<b>Previous quarter \$US'000</b>
5.1	Bank balances	2,102	2,545
5.2	Call deposits	-	-
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	<b>Cash and cash equivalents at end of quarter (should equal item 4.6 above)</b>	<b>2,102</b>	<b>2,545</b>

<b>6.</b>	<b>Payments to related parties of the entity and their associates</b>	<b>Current quarter \$US'000</b>
6.1	Aggregate amount of payments to related parties and their associates included in item 1	105
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-
<i>Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments.</i>		

## Mining exploration entity or oil and gas exploration entity quarterly cash flow report

<b>7. Financing facilities</b>		<b>Total facility amount at quarter end \$US'000</b>	<b>Amount drawn at quarter end \$US'000</b>
<i>Note: the term "facility" includes all forms of financing arrangements available to the entity.</i>			
<i>Add notes as necessary for an understanding of the sources of finance available to the entity.</i>			
7.1	Loan facilities	6,197	6,197
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	2,828	-
7.4	<b>Total financing facilities</b>	9,025	6,197
7.5	<b>Unused financing facilities available at quarter end</b>		2,828
7.6	Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.		
	<p>Finance Facilities:</p> <ul style="list-style-type: none"> <li>On 25 March 2021 the Company announced a At-the-Market Subscription Deed with Acuity Capital for standby equity capital facility whereby 24,000,000 TGM shares were issued to Acuity Capital with a total available facility of A\$15,000,000 (US\$9,958,500). On 31 July 2023, this facility was extended for a further 3 years to 31 July 2026 for no cost or penalty to the Company. The value of this available facility at 30 September 2024 is US\$2,828,256 (A\$4,080,000) at closing share price of TGM Shares on 30 September 2024. No drawdowns have been made to date. Converted at the exchange rate of 0.6932 AUD:USD at 30 September 2024.</li> </ul>		

<b>8. Estimated cash available for future operating activities</b>	<b>\$US'000</b>
8.1 Net cash from / (used in) operating activities (item 1.9)	(585)
8.2 (Payments for exploration & evaluation classified as investing activities) (item 2.1(c))	(1,411)
8.3 Total relevant outgoings (item 8.1 + item 8.2)	(1,996)
8.4 Cash and cash equivalents at quarter end (item 4.6)	2,102
8.5 Unused finance facilities available at quarter end (item 7.5)	2,828
8.6 Total available funding (item 8.4 + item 8.5)	4,930
8.7 <b>Estimated quarters of funding available (item 8.6 divided by item 8.3)</b>	2.47
<i>Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3, answer item 8.7 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.7.</i>	
8.8 If item 8.7 is less than 2 quarters, please provide answers to the following questions:	
8.8.1 Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?	
Answer: Yes	



8.8.2 Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?

Answer:

As announced on 11 June 2024<sup>1</sup>, the Company had received firm commitments of up to US\$10 million, (A\$15.2 million) via a two-tranche Equity Funding Placement to institutional investor, Hong Kong Ruihua Investment Management Limited and its associated companies including Hong Kong Ruihua Green Development Limited, (together 'Ruihua'). Tranche 1 of the Placement, for up to US\$6 million, (A\$8.99 million) was completed on 16 September 2024<sup>2</sup>.

Tranche 2 of the Placement, for an amount up to US\$4 million, (A\$6.08 million) in funding is expected to be completed within three (3) months after the completion of Tranche 1.

As announced on 14 February 2024<sup>3</sup>, the Company signed an MOU with Yellow River Co. Ltd (YRC), a subsidiary of Power Construction Corporation of China (PowerChina) for an amount of US\$30 million and preferred EPC partner to build Stage One of TGME Gold Plant.

In addition, as noted above and (as per ASX Release dated 25 March 2021), the Company had entered into an At-The-Market Subscription Deed ("ATM") with Acuity Capital. This facility was extended for a further 3 years to 31 July 2026 on 31 July 2023. The ATM provides the Company the opportunity to draw-down up to A\$4,080,000 million (US\$2,828,256) at 30 September 2024 market price of TGM Shares out of a total A\$15,000,000 (US\$9,798,000) standby equity capital facility, with the expiry of the ATM now extended to 31 July 2026. (Note: converted using a 30 September 2024 exchange rate of 0.6932 for AUD:USD).

8.8.3 Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?

Answer: Yes.

The Company has completed and released a definitive Feasibility Study (FS) to the ASX on 27 July 2022<sup>4</sup> with an NPV<sub>10%</sub>, US\$324 million (A\$432 million<sup>5</sup>) and an initial Life-of-Mine (LOM) of 12.9 years from 1.08 Moz of recovered gold. The FS used an average gold price of US\$1,642, (A\$2,189) with an AISC of US\$834/Oz.

The group's large tenement holding in South Africa is potentially very prospective and remains largely unexplored using modern technology. The Theta Project, potential underground mines development and the prospective tenement holding should underpin the company's ability to raise funds for its business needs.

Furthermore, in addition to description in 8.8.2 above, the company are currently in negotiation with numerous financiers on project financing terms, with term sheets been exchanged and discussions in progress.

*Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.*

<sup>1</sup> Refer to ASX release dated 11 June 2024 titled, "Equity Funding Placement Update".

<sup>2</sup> Refer to ASX release date 16 September 2024 titled, "US\$8 million Private Placement and Full Redemption of AU\$6 million Secured Bonds".

<sup>3</sup> Refer to ASX released dated 14 February 2024 titled, Theta Gold selects PowerChina's Subsidiary as it preferred EPC Partner to build its Stage One TGME Gold Plant and TSF Facilities estimated at US\$30 million".

<sup>4</sup> Refer to ASX release dated 27 July 2022, titled "Theta's TGME Project DFS Study Confirms NPV<sub>10%</sub> of A\$432 Million at US\$1,642/Oz Gold Price".

<sup>5</sup> USD to AUD converted at an exchange rate of 1.333.

**Compliance statement**

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

31 October 2024

Date: .....

Board of Directors

Authorised by: .....  
 (Name of body or officer authorising release – see note 4)

**Notes**

1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, *AASB 6: Exploration for and Evaluation of Mineral Resources* and *AASB 107: Statement of Cash Flows* apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee – eg Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.