PATENT PENDING PROCESSING TECHNOLOGY

REDUCING THE ENVIRONMENTAL FOOTPRINT

LOWERING COSTS

Globe Metals & Mining Limited (ASX: **GBE**, **Globe** or the **Company**) advises that it has applied for a novel patent covering metallurgical technology for the recovery of pyrochlore that will significantly benefit the Kanyika Niobium Project. A Patent Cooperation Treaty (PCT) application has been filed and the outcome from the examination process is expected in the new year. The patent will potentially be significant to other niobium projects globally.

A PCT application can protect intellectual property in at least 150 countries.

This technology has resulted from metallurgical and beneficiation optimisation works on the Kanyika Project. This novel use of existing technology, together with the outcomes of additional testwork, promise lower project OPEX and CAPEX, lower complexity and increased metallurgical recovery.

> By way of example, the 2012 processing flotation regime was designed with 32 chemical agents. The current patent pending technology has reduced this to just 6 chemicals with lower dosage rates. This will reduce capital and operating cost and will significantly reduce the environmental footprint of the project. Early indications suggest that improved recoveries above 75% are possible with further work.

These simple capital-optimised developments will be incorporated in the engineering design in time.

There is potential for this technology to benefit the metallurgy of other mineral types. The Company will assess this potential concurrently with its initiatives on the Kanyika Project. On a technical perspective this technology should be *clearly* applicable to other important and commercially valuable commodity types.

Commenting on the technology, Globe's Managing Director Alistair Stephens stated:

> "We are focused on delivering the Kanyika project and transitioning to project execution phase. Incorporating this technology, which uses an industry-wide established processing technique in a novel configuration, will be simple to integrate into the existing flowsheet.
>
> We are quietly confident that the technology will present benefit to existing and potential niobium producers whether a main product or a by-product. We continue to undertake laboratory work to quantify the benefit of the technology.
>
> What makes this so profoundly enticing is that this technology marries perfectly with other regenerative power and site sustainability programmes that lower the environmental footprint making Globe potentially project leaders in our environmental footprint.
>
> The Company is looking to broaden the scope of application of this technology in other commodity types. Secrecy, for the interim, to maintain patentable advantage of this technology across the broader mineral commodity sector, is an important corporate strategy to commercialisation."

This announcement has been authorised for release by Alistair Stephens, Globe Managing Director.

For further information please contact:

Alistair Stephens
Managing Director
+61 8 6118 7240

Michael Fry
Company Secretary
+61 8 6118 7240

Disclaimer

- This announcement has been prepared by Globe Metals & Mining Limited ("Company"). The material contained in this announcement is for information purposes only. This announcement is not an offer or invitation for subscription or purchase of, or a recommendation in relation to, securities in the Company and nether this release nor anything contained in it shall form the basis of any contract or commitment.
- This announcement may contain forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning Globe Metals & Mining Limited's business plans, intentions, opportunities, expectations, capabilities and other statements that are not historical facts. Forward-looking statements include those containing such words as could-plan-target-estimate-forecast-anticipate-indicate-expect-intend-may-potential-should or similar expressions. Such forward-looking statements are not guarantees of future performance and involve known and unknown risks, uncertainties, assumptions and other important factors, many of which are beyond the control of the Company, and which could cause actual results to differ from those expressed in this report. Because actual results might differ materially to the information in this announcement, the Company does not make, and this announcement should not be relied upon as, any representation or warranty as to the accuracy, or reasonableness, of the underlying assumptions and uncertainties. Investors are cautioned to view all forward-looking statements with caution and to not place undue reliance on such statements.
- The announcement has been prepared by the Company based on information available to it, including information from third parties, and has not independently verified. No representation or warranty, express or implied, is made to the fairness, accuracy or completeness of the information or opinions contained in this announcement.