



**AUSTRALIAN SECURITIES EXCHANGE ANNOUNCEMENT
& MEDIA RELEASE**

6 May 2020

COMMENCEMENT OF METALLURGICAL TEST WORK

Key Highlights:

- Next steps are underway following the release of a Mineral Resource Estimate (MRE) at Koko Massava.
<https://www.asx.com.au/asxpdf/20200422/pdf/44h4ns7xrphs7g.pdf>
- Geometallurgical sample composed from zones of representative high valuable mineral assemblage within the Koko Massava Mineral Resource is currently being prepared.
- Sample derived from aircore samples already available in Perth, Western Australia.
- IHC Robbins in Brisbane has been commissioned to undertake this test work, which will provide results for product (ilmenite, rutile, zircon, leucoxene and monazite) recovery and quality.
- Investigation of the titanomagnetite mineral fraction to be undertaken to determine if it holds potential as a Vanadium source.

Introduction

MRG Metals Limited (ASX:MRQ) is pleased to announce that following the delivery of the significant Koko Massava maiden mineral resource estimate (MRE) of 1,423 billion tonnes at 5.2% total heavy mineral (THM) (refer ASX Announcement 22 April 2020), the process of metallurgical testwork on a bulk sample of mineralised material has commenced.

As stated in the MRE announcement, geometallurgical test work is to be undertaken to characterise the process performance of the heavy mineral sand (HMS), including conceptual process flow sheet development, the production of products and the determination of mineral recoveries.

With the extensive drill sample database and MRE now available for the Koko Massava deposit, the Company is well placed to continue the iterative process of advancing the exploration by beginning this next phase of test work.

Details

A sample of approximately 100kg will be composed from stored (Perth, Western Australia) aircore samples. The sample will be representative of mineralised zones of high valuable heavy mineral (VHM) within the mineral resource.

In general, this scoping level test work will:

- (i) develop a conceptual process methodology for the Koko Massava material,
- (ii) ascertain how well the material processes, using typical process equipment and methodologies,
- (iii) produce potential typical mineral sands products (ilmenite, zircon, leucoxene and monazite and titano-magnetite),
- (iv) provide metallurgical recoveries for various potential products, and
- (v) identify any potential risks and/or critical flaws related to the mineralised material or potential products.

Certain aspects identified in the MRE, associated with the mineral assemblage mix will also be addressed. This includes maximizing separation (scalping) of ilmenite from the transitional low-titanium/titano-magnetite fraction (7% of THM) to enhance overall ilmenite yield and development of a titano-magnetite concentrate for investigation of possible vanadium content.

It is anticipated that the test work will take approximately 4-6 weeks to complete.

Chairman's comment "the Metallurgical test work is the next step towards determining the potential economic value of our preliminary exploration success at Koko Massava. We look forward to the Metallurgical work allowing us to identify the value of the respective components within the assemblage. Significant tonnages within the Koko Massava mineral resource showing THM grades in excess of 8%, accompanied with this Metallurgical work will be used to identify further exploration opportunities to enhance the potential to optimize early mine life evaluation. Add to this our on going exploration strategy, in which we aim to add high grade/high value tonnage to the mix, 2020 shapes as a transformational year for MRG".

Authorised by:

Mr Andrew Van Der Zwan
Chairman, MRG Metals Ltd