

BLACK ROCK RECEIVES POSITIVE FEEDBACK ON MAHENGE GRAPHITE FROM POTENTIAL CUSTOMERS

HIGHLIGHTS

- 22 potential Mahenge graphite customers have now received concentrate from Black Rock's 90-tonne pilot plant operation
- Initial feedback has been positive, with product specifications confirmed by potential customers including:
 - ASTM mesh screen targets (i.e. +50 Mesh-20x50, +80 Mesh-50x80, +100 Mesh-50x100, -100 Mesh-M100);
 - Reported purity targets (i.e. 95% to 99.3% LOI); and
 - Application targets including meeting pH levels (6.0 – 7.5), moisture (<0.5%) and lower halogen level limits for foils and fire retardants (Cl ~<70 ppm, F ~< 50 ppm)
- Demonstrated expansion ranges of 400 – 700 g/ml for coarse flake products (i.e. +50 Mesh, +80 Mesh) is requirement for fire retardant & expandable graphite applications
- Mahenge Flake Graphite with lower relative levels of key FUSED-OXIDES, including Fe₂O₃, CaO, and MgO, have demonstrated to be more application-friendly & versatile flake graphite product
- Flake concentrate meets anode producer grade performance metrics including Tap Density, Crystallinity, Low Sulphur (<1.0%), Flake Thickness Average (4 – 6 Microns) , as well as lower costs to purify to 99.9% LOI due to lower levels of Fe, Cu, Ni, and V
- Expected higher than average graphene product yields for a number graphene products and applications including graphene oxides (GO), graphene synthesis processes, and complex graphene powders
- Evaluations using Mahenge Flake Graphite are being tested in a number of graphene production processes including exfoliation, microwave assist, rolled graphene production, and GOR (Graphene Oxide Reduction)
- Black Rock's high-purity product, *Ultra Purity FP™ Flake Graphite*, which has minimum 99% LOI, was particularly well received, given its significant application benefits
- Discussions continuing with respect to construction and financing support, off take and agency agreements

Tanzanian graphite developer Black Rock Mining Limited (BKT: ASX) ("Black Rock" or "the Company") is pleased to provide an update on its product development and partners strategy for its Mahenge Graphite Project.

Black Rock's CEO John de Vries commented:

"We are very pleased with the positive feedback we have received on our graphite concentrate. We remain the only graphite developer that can produce a 99%+ concentrate and interestingly this is resulting in more approaches by new potential customers.

"The feedback confirms we have a unique graphite concentrate that will be sought after by a multitude of graphite users for a wide range of applications."

Black Rock Mining Ltd
ACN 094 551 336
ASX: BKT

Issued Capital
443m Shares
67.2m Options
2.4m Performance
Rights

Australian Registered Office
Level 1, 35 Havelock Street
West Perth, WA 6005
Ph: +61 8 9320 7550
E: info@blackrockmining.com.au

Tanzanian Office
Mahenge Resources Ltd
202 Village Walk Building
Toure Drive, PO Box 80003
Dar es Salaam Tanzania

Directors
Richard Crookes
John de Vries
Stephen Copulos
Gabriel Chiappini

Black Rock despatched large volume samples produced from its initial 90-tonne pilot plant test work in Canada to 22 potential customers. Test works include defining production mesh fractions, achievable concentrate purity ranges in line with market and application requirements, as well as production yields by fraction, and finally production efficiency targets for commercial plant design and construction.

This enabled evaluation for suitability and performance in several applications. Initial feedback has been very positive, including highlights:

- Potential customers have confirmed ASTM mesh screen targets, reported purity targets and application targets including pH levels, moisture and halogens limits;
- BKT's graphite concentrate demonstrates a unique chemical and metallurgical signature; and
- This signature is positive battery applications, expandable graphite applications for fire retardants, and various graphene product applications.

Black Rock's recently introduced Ultra Purity-FP™ Flake Graphite, with a minimum purity of 99.0% LOI, was particularly well received by potential customers. The Company has received confirmation that the 1% or less total ash content offers the ability for specific applications to use this new high-purity flake graphite without the concern of any caustic chemical intervention to reach the 99.0% LOI purity target.

The provision of concentrate is a critical step to enable the advancement of discussions with respect to construction and financing support, off take and agency agreements.

For more information:

John de Vries
Chief Executive Officer
Black Rock Mining

+61 438 356 590
jdvd@blackrockmining.com.au

Simon Hinsley
Investor Relations
NWR Communications

+61 401 809 653
simon@nwrcommunications.com.au

About Black Rock Mining

Black Rock Mining Limited is an Australian-based company listed on the Australian Securities Exchange. The Company owns graphite tenure in the Mahenge region of Tanzania.

The Company's 100%-owned Mahenge Graphite Project is one of the largest JORC-compliant flake graphite Mineral Resource Estimates globally, with a Mineral Resource Estimate of 211.9m tonnes at 7.8% TGC for 16.6m tonnes of contained graphite. Importantly, more than 50% of the Mineral Resource is in the Measured and Indicated categories.

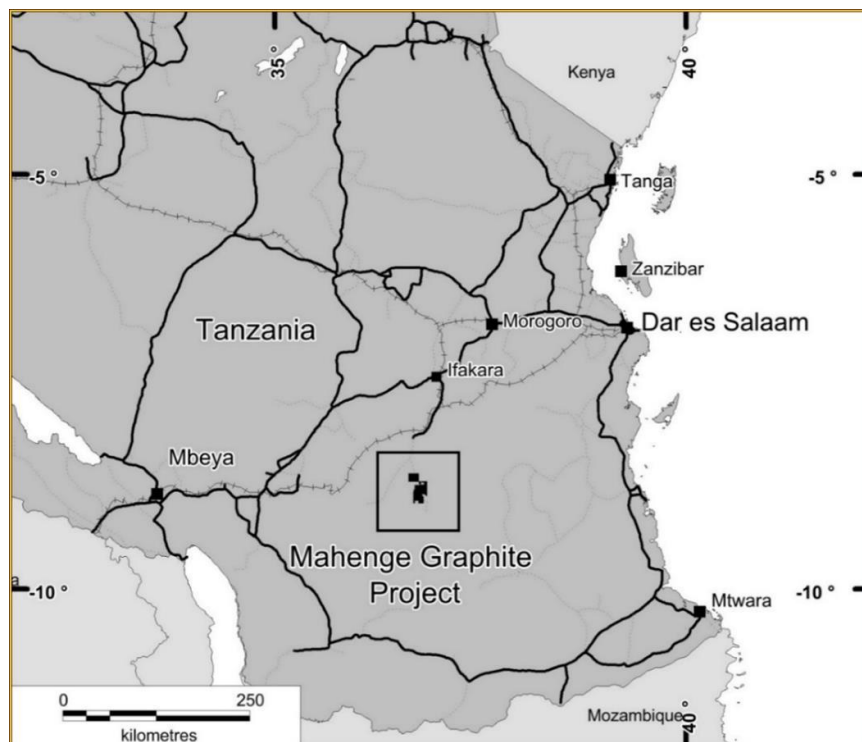
Black Rock released an exceptional optimised Preliminary Feasibility Study (PFS) for the Mahenge Graphite Project, which considered a three-stage construction to deliver up to 250,000 tonnes per annum of 98.5% graphite concentrate for 31 years. The Company plans to fund stages two and three from free cash flow. The pre-production capex is US\$90.1m to deliver a post-tax unlevered project NPV₁₀ of US\$905m incorporating the proposed 16% Government free carry and increased royalty rate.

The optimised PFS confirmed Black Rock has the potential for a long-life, low capex, high margin operation. Black Rock is moving towards commencing a Definitive Feasibility Study (DFS). Following the successful completion of the DFS and the associated financing, construction is expected to commence late-2018 with first production in 2019.

For further information on the Company's development pathway, please refer to the Company's website at the following link: <http://www.blackrockmining.com.au> and the corporate video presentation at <http://www.blackrockmining.com.au/#video>.

PROSPECT	CATEGORY	TONNES (MILLIONS)	TGC (%)	CONTAINED TGC (MILLIONS TONNES)
Ulanzi	Measured	13.3	8.9	1.2
	Indicated	49.7	8.2	4.1
	Inferred	50.2	8.1	4.1
	Sub-total	113.3	8.2	9.3
Epanko	Measured	12.1	8.3	1.0
	Indicated	20.8	8.3	1.7
	Inferred	27.3	7.9	2.2
	Sub-total	60.2	8.1	4.9
Cascades	Measured			
	Indicated	17.6	6.4	1.1
	Inferred	20.8	5.9	1.2
	Sub-total	38.4	6.1	2.4
COMBINED	MEASURED	25.5	8.6	2.2
	INDICATED	88.1	7.9	6.9
	INFERRED	98.3	7.6	7.4
	TOTAL	211.9	7.8	16.6

Resource breakdown by prospect and total combined global resource



Location of Black Rock's Mahenge Graphite Project within Tanzania