

Company Announcements Office  
Australian Securities Exchange

7 August 2014

(ASX Code GRK)

## MAHENGE NORTH EXPLORATION UNDERWAY

### Highlights

- Geological Exploration due diligence underway at Mahenge North Graphite Project (“Mahenge North”) located in southern central Tanzania
- Surface Trenching and Sampling underway at Epanko North prospects, targeting 3 bands of graphitic schist mineralisation
- Initial mapping indicates that there are 3 bands of mineralisation at Epanko North
- At Epanko North first pass mapping has confirmed the approximate 2km long northern extension of the Epanko Inferred Resource held by Kibaran Resource Ltd (ASX:KNL)
- Surface Trenching and Sampling also underway at Ndololo Graphite Prospect located in the northern sector of the licence
- At Ndololo the objective is to review previous drill holes by Kibaran Resources Ltd and determine potential thickness, strike and lateral extensions. Previous drill results (August 2012) included high grade intervals of 13m @ 10.8% TGC and 11m @ 11.2% TGC
- Tenure covering 292km<sup>2</sup> over one of the best graphite districts in Tanzania with many known graphite occurrences and favourable geological characteristics for the discovery of additional graphite mineralisation
- Mahenge North exploration licence located directly to the north of the Epanko Graphite Resource held by ASX listed, Kibaran Resources Ltd, containing a JORC Inferred Resource of 14.9Mt at 10.47% TGC (“Total Graphitic Carbon”).

## Background

Further to the announcement by Green Rock Energy Limited (ASX:GRK) on 7 July 2014 to acquire a 100% interest in the Mahenge North Graphite project (Figure 1), Green Rock is pleased to announce that it has commenced its exploration due diligence on Mahenge North.

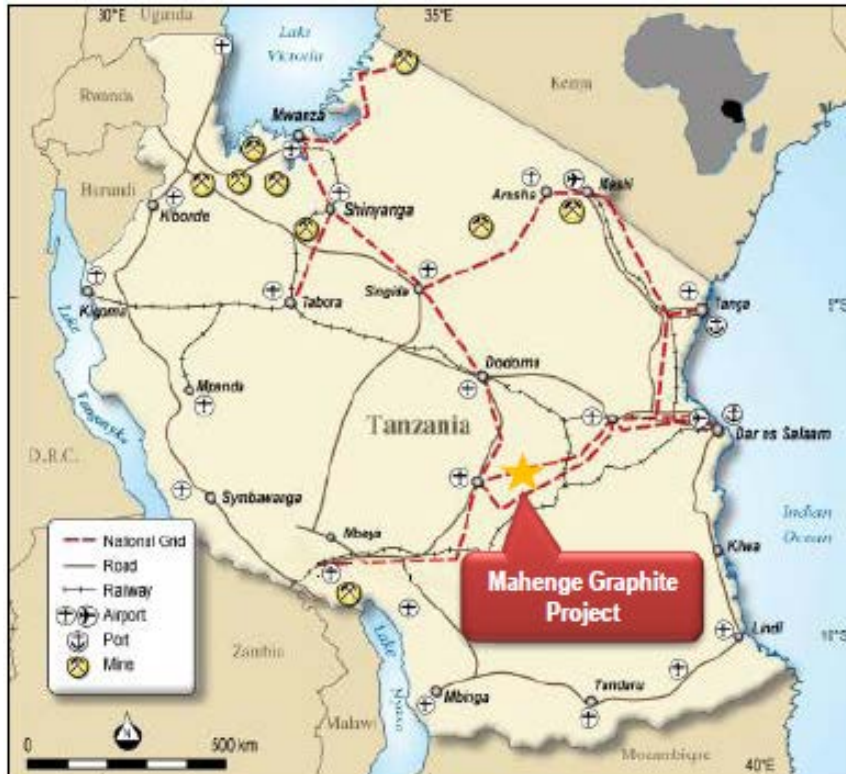


Figure 1. Mahenge North Project location

Mahenge North is located in southern central Tanzania approximately 245km south-west of Morogoro. The project consists of one (1) granted exploration licence covering an area of 292km<sup>2</sup> and is prospective for graphite mineralisation. Previous exploration has outlined two significant areas of graphite mineralisation, Ndololo and Epanko North. Historic RC drilling and rock chip sampling has confirmed the presence of large flake moderate to high-grade graphite mineralisation with favourable metallurgical properties.

Please refer to site photos at appendix of this announcement relating to Mahenge North Graphite prospect at Epanko North and Ndololo.

**Timing** – on-site geological due diligence, mapping, sampling and trenching expected to be completed towards the end of August 2014 with assay results of rock chip samples and trenching samples to be available for review and disclosure early September 2014.

Completion of the transaction will be subject to the receipt of Green Rock shareholder approval.

Green Rock will make further announcements as this opportunity progresses.

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Director

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### About Green Rock Energy Limited

- A 100% interest via an option agreement in the Mahenge North Graphite Project in Tanzania
- A 100% interest in the Ocean Hill Block in the Perth basin, subject to the successful completion of Native Title negotiations.
- A joint venture with MOL in Hungary for geothermal power generation (GRK 35%)

### **Competent Person Statement**

*The information in this report that relates to Exploration Results is based on information compiled by Brendan Cummins, who is a member of Australian Institute of Geoscientists. He is a full time employee of Westoria Capital Pty Ltd which is providing consulting services to Green Rock Energy Limited. Brendan Cummins has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 and 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Brendan Cummins consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.*

### **Appendix to ASX Announcement**



**Figure 2. Photo of the recently completed infill drill holes undertaken by Kibaran Resources Ltd located close to the southern boundary of the Mahenge North Project under option to GRK. The photo looks to the southwest and was taken from within GRK's Mahenge North Project license.**



**Figure 3. Trenching underway at the Epanko North Graphite Prospect showing good evidence of graphite mineralisation almost at surface**



Figure 4. Outcropping graphite mineralisation from Ndololo prospect



Figure 5. Rock chip sample taken from the Mineralised Strike at the Epanko North Graphite Prospect