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Maddhapara Granite Mining Company Ltd
36/2, Mirpur Road (Bashundha Goli)
Dhanmondi
Dhaka-1205
Bangladesh

For the attention of: Mr Md Mahfuzur Rahman Khan (Manager)

ANALYTICAL REPORT

POTENTIAL ALKALI-SILICA REACTIVITY OF GRANITE AGGREGATE

Customer Ref. :	Letter dated 30.11.2014 Rock.100.2014/306	Date Received :	02 December 2014
QED Ref.:	268-2216-2014-R1	Date Tested :	10 December – 13 January 2015
Site :	Maddhapara Hardrock Mine	Date of Report :	13 January 2015
Date of Sampling :	Not advised	Page No :	1 of 2
Sampled by :	Client	Analyst :	NE

INTRODUCTION

We were instructed to carry out chemical analysis of a sample of granite aggregate advised to have been extracted from the above site in accordance with the method cited in ASTM C289-2007. The purpose of the analysis was to ascertain the potential alkali-silica reactivity of the granite by the chemical method.

The results presented in this certificate relate only to those samples tested by QED. No responsibility is taken for the accuracy of sampling unless this is performed under our own supervision. Opinions and interpretations expressed are the consultant's view based solely on his/her assessment of the samples 'as received'. This report shall not be reproduced except in full without the written permission of QED Independent Testing & Consultancy Ltd.

Revision: 009
Date: 12.04.12

DETAILS OF SAMPLE

Our Sample ref.	Client's Sample ref.	Location	Sample description
12712	100.2014	Not relevant	A sample of grey granite pieces weighing approximately 4296g.

TEST PROCEDURE

The sample was prepared and analysed in accordance with the chemical method cited in ASTM C289-2007. The soluble silica was determined gravimetrically.

RESULTS

Our Sample ref.	Client's Sample ref.	Location	Dissolved Silica (S _c)	Reduction in alkalinity
12712	100.2014	Not relevant	7.22 mmol/L	23.3 mmol/L

COMMENT

The sample was considered to be innocuous based on the test results obtained.

SAMPLE RETENTION

Samples can only be retained for a period of one calendar month from the date of issue of test certificate or report unless we are instructed otherwise. Samples can be returned or retained for a further charge. Please enquire if you would like any of these services.



Signed:
Senior Chemist

For and on behalf of :
QED Independent Testing & Consultancy Ltd



Signed:
Technical Director

For and on behalf of :
QED Independent Testing & Consultancy Ltd