



# ZAMBIA ENVIRONMENTAL MANAGEMENT AGENCY

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*In reply please quote*

*No:*

**ZEMA/INS/101/04/1**

May 12, 2014

The Director  
Ndola Quarries Limited  
P.O. Box 240081  
**Ndola**

Dear Sir/Madam,

**REF: PROPOSED GRANITE QUARRY AND CRUSHING UNIT IN MUTANDA AREA OF SOLWEZI DISTRICT BY NDOLA QUARRIES LIMITED**

Reference is made to the above captioned project report submitted to the Zambia Environmental Management Agency (ZEMA) on **24<sup>th</sup> February 2014** for consideration in accordance with the requirements of the Environmental Impact Assessment (EIA) Regulations, Statutory Instrument No. 28 of 1997.

ZEMA has since reviewed the Environmental Project Brief (EPB) and based on the information provided by yourselves and from written and verbal comments from interested and affected parties and our site verification inspection findings; the said EPB has been **Approved**.

Find attached to this Decision Letter, conditions governing this approval.

Yours faithfully,

Edwin Soko  
**Acting Director General**  
**ZAMBIA ENVIRONMENTAL MANAGEMENT AGENCY**

Cc: The Council Secretary-Solwezi Municipal Council- **SOLWEZI**  
The Director - Mine Safety Department- **KITWE**  
The Manager - ZEMA NRO, - **NDOLA**



# Zambia Environmental Management Agency

## 1.0 PROJECT BACKGROUND **DECISION LETTER**

### 1.1 PROJECT TITLE:

Proposed granite quarry and crushing unit in Mutanda area of Solwezi District by Ndola Quarries Limited

### 1.2 PROJECT PROPONENTS:

Ndola Quarries Limited  
P.O. Box 240081  
**Ndola**

#### Contact Person:

Mr. Jacky Gao  
Managing Director  
+260 965 666989  
[jackygao@gmail.com](mailto:jackygao@gmail.com)

### 1.3 PROJECT LOCATION:

The proposed project site is located about 56km west of Solwezi Central Business District in Northwestern Province. The site is accessed using the Mutanda – Zambezi Road (M8) in Mutanda Area. The project site is located about 2km away from the Mutanda – Zambezi Road.

### 1.4 DATE OF SUBMISSION BY PROPONENT:

24<sup>th</sup> February, 2014

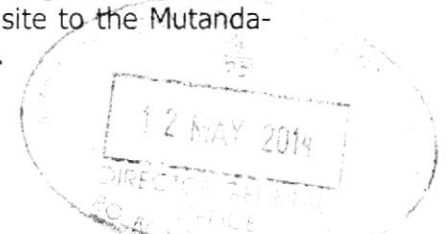
### 1.5 DATE OF CONSIDERATION BY AGENCY:

29<sup>th</sup> April, 2014

## 2.0 DETAILS OF THE PROJECT:

Ndola Quarries Limited intends to conduct stone quarrying activities on a plot allocated by Senior Chief Mumena in Solwezi District in Northwestern Province.

Selective quarrying shall be applied since the stone deposit is discretely distributed over the area. The stone quarrying will be done in a low lying area devoid of tree vegetation. Top soil will be removed over the area. The over burden soil removed from the quarry will be stockpiled for rehabilitation work. Clearance works will be undertaken using front-end-loaders, graders and haul trucks and dump trucks. An access road to link the project site to the Mutanda-Chavuma Road will be cleared for a distance of about 1.8km.

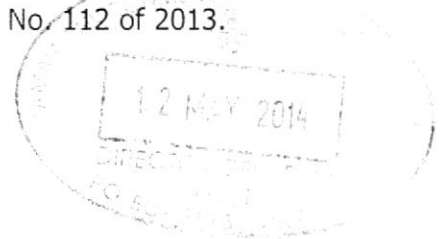




### 3.0 DECISION BY AGENCY

3.1 The project **approved** subject to conditions listed below.

- 3.1.1 Ndola Quarries Limited shall implement the project and all the environmental management commitments as stated in the Environmental Project Brief (EPB) **with** changes as proposed by the Zambia Environmental Management Agency (ZEMA) in the Decision Letter and any other conditions that may be issued thereafter.
- 3.1.2 The proposed project is approved for the establishment of a stone crushing plant by Ndola Quarries Limited in Mutanda area of Solwezi District.
- 3.1.3 Ndola Quarries Limited shall inform the general public, by way of public announcement, of the intention to blast each time the need to blast arises.
- 3.1.4 Ndola Quarries Limited shall appropriately fence off/restrict access to the plant area for safety and control or management of emergencies.
- 3.1.5 Ndola Quarries Limited shall ensure that all work areas are adequately watered to suppress dust. The access road shall also be sprinkled with water to reduce dust generation.
- 3.1.6 Ndola Quarries Limited shall put in place an appropriate system for prevention and control of pollution of surface water and soil by leakages of fuels; this shall include construction appropriate drainage and settling ponds at the site. The drainage shall be constructed and operated in such a way that all liquid discharges shall flow to the settling ponds before being discharged into the environment.
- 3.1.7 Ndola Quarries Limited shall put in place an effective and efficient system for preventing and monitoring underground water pollution.
- 3.1.8 Ndola Quarries Limited shall prepare and submit a decommissioning and closure report outlining implementation of all the environmental management commitments presented in the EPB at the end of the project for consideration by ZEMA.
- 3.1.9 Ndola Quarries Limited shall ensure that all incidents with potential to pollute the environment and harm human beings are reported to ZEMA **immediately**.
- 3.1.10 Ndola Quarries Limited shall obtain applicable permits or licenses from the Zambia Environmental Management Agency and comply in full with provisions of the Environmental Management Act No.12 of 2011 and the Environmental Management (Licensing) Regulations, Statutory Instrument No. 112 of 2013.





- 3.2 The Agency **recommends** that Ndola Quarries Limited:
- 3.2.1 Obtain any other relevant authorizations such as those stipulated in the following:
- i. The Mines and Minerals Development Act 7 of 2008;
  - ii. The Local Government Act;
  - iii. The Town and Country Planning Act;
  - iv. The Public Health Act cap 295 of the laws of Zambia;
  - v. The Workers Compensation Act cap. 271 of the laws of Zambia;
  - vi. The Town and Country Planning Act;
  - vii. The Energy Regulation Act cap. 436 of the laws of Zambia;
  - viii. The Water Resources Management Act No. 21 of 2011;
  - ix. The Forestry Act, Cap. 199 of the laws of Zambia;
  - x. The Employment Act, Cap. 28 of the laws of Zambia; and
  - xi. The Ionising Radiation Protection Act.
- 3.2.2 To make available information on hygiene, Malaria Control, HIV/AIDS to employees.
- 3.2.3 To provide workers with appropriate fire-fighting equipment and train workers in fire fighting and emergency response.
- 3.2.4 To provide workers with Personal Protective Equipment and workers shall undergo annual medical checkups.
- 3.3 Ndola Quarries Limited shall comply with environmental standards and/or specific limits of particular pollutants. Thus, compliance with Zambia Environmental Management Agency recommended measures **does not absolve** Ndoia Quarries Limited from its responsibility if such measures do not achieve compliance with environmental control standards.
- 3.4 Ndola Quarries Limited shall in accordance with section 15 of the Environmental Management Act, No. 12 of 2011, allow inspectors from ZEMA **unrestricted entry** to the project site at any reasonable time with or without making prior notice throughout the project life cycle.
- 3.5 The implementation of the project shall commence **within three years** from the date of approval. Failure to commence implementation of the project within the stated period shall render the Decision Letter invalid and Ndola Quarries Limited shall be required to re-submit the EPB for consideration.





- 3.6 The Agency may suspend or cancel the Decision Letter **without notice** should Ndola Quarries Limited fail to comply with any one of the conditions specified above.



A handwritten signature in black ink, appearing to read "Edwin Soko".

Date

Edwin Soko

**Acting Director General**

**Zambia Environmental Management Agency**