



REQUEST FOR EXPRESSION OF INTEREST

CONSULTANCY SERVICES FOR THE EVALUATION OF THE QUANTITY AND COST MANAGEMENT FOR THE QUARRYING ACTIVITIES IN LSMFEZ

Project ID No.: LSMFEZ/MD/02/EOI/2025

1. Background

The Lusaka South Multi Facility Economic Zone (LS-MFEZ) is a government initiative set up to support economic industrialization. Located in the Southeastern urban part of the city, LSMFEZ is expected to play a catalytic role and serve as a strong node in the overall development of the Lusaka City. It is also set to establish a first-rate facility to support investments in Zambia. It is being developed to be a center of excellence which offers incentives and promotes manufacturing developments. LS-MFEZ is being developed with very high environmental considerations, best practices and is part of the flagship projects in pioneering environmentally friendly, well planned, and innovative urban development paradigms in Zambia.

Kailjee Construction Zambia Limited is excavating rock in the Central Park of LSMFEZ, crushing it into stone aggregate for road construction. Post-excavation, the site will be repurposed as a stormwater retention pond. To ensure transparency and proper valuation, an independent Quantity Surveyor (QS) is required to assess the excavation, production, and cost efficiency of operations.

Terms of Reference (TOR) describes the requirement for a Consulting Firm to provide estimation on the quantity and cost management for development of the retention pond through excavation of rock which is crushed into aggregate.

2. Objective of the project

The Consultant will be engaged to provide independent quantity and cost management services to the LSMFEZ Limited Project Manager (PM) in accordance with this TOR.

The Consultant will report to the LSMFEZ PM and will be required to work collaboratively with the PM, Finance and Technical Team to ensure that the consultancy is maintained within the time frames as approved by LSMFEZ Management.

Under the direction of the LSMFEZ Limited PM, the Consultant will be required to perform services related to the following areas:

- 2.1 Determine the volume of rock excavated and to excavated at the 10-hectare site a retention pond is being developed (cumulative and daily rate).
- 2.2 Estimate excavation/quarrying costs, including operational and maintenance (O&M) expenses.
- 2.3 Assess daily crushed rock output and aggregate production efficiency.
- 2.4 Evaluate the full cost of aggregate production including Operation & Maintenance costs.
- 2.5 Benchmark average market selling price of aggregate in Zambia.
- 2.6 Estimate the profit margins in relation to rock excavation, crushing the rock and O&M
- 2.7 Prepare the value-for-money assessment report aimed at summarizing the comparative findings on the quarrying and crushing of stone with respect to the above objectives and taking into consideration any key elements needed in the analysis during the execution of this TOR.

3. SCOPE OF WORK

Detail Under the direction of the LSMFEZ Limited PM, the Consultant will be required to perform services related to the following areas:

- a) Determine the volume of rock excavated and volume of rock remaining to be excavated (cumulative and daily rate).
 - Measure total volume excavated to date.
 - Calculate daily excavation rate based on production records.
 - Verify excavation logs, blasting reports (if applicable), and trucking data.
 - Recommendations where applicable
 - Estimate the remaining volume to be excavated and the period it will take to excavate the remaining rock and the total value.
- b) Cost Analysis of Excavation/Quarrying
 - Breakdown direct costs (labour, fuel, equipment, explosives, etc.).
 - Assess indirect costs (supervision, security, permits, etc.).
 - Review maintenance costs (machinery repairs, wear-and-tear).
 - Compare with industry benchmarks for similar operations.

- Quarrying and crushing costs.
- Determine projected profit margins for the project.
 - c) Crushed Rock & Aggregate Production
- Determine daily crushed rock volume processed.
- Evaluate crushing plant efficiency (yield vs. input).
- Identify bottlenecks or inefficiencies in production.
 - d) Comprehensive Cost of Aggregate Production.
- Compute total production cost per ton/m³, including:
 - Excavation/quarrying costs.
 - Crushing, screening, and grading costs.
 - Transport, storage, and quality control.
 - Overheads (admin, power, water, etc.).
- e) Carryout Market Rate Comparison
 - Research local market rates for equivalent stone aggregate.
 - Compare Kailjee's production cost vs. prevailing sale prices.

Provide recommendations on pricing strategy (if applicable). Review the Social and economic development strategies for the zone and make proposals that will improve and help the company achieve its goals and objectives.

4. METHODOLOGY

To ensure accuracy and reliability, the consultant will adopt a structured and data-driven approach. The analysis will be based on verifiable records, site measurements, and industry best practices to provide an objective evaluation of rock excavation and aggregate production at LSMFEZ.

Key stakeholders, including Kailjee Construction Zambia Limited and LSMFEZ management, will be engaged to gather necessary documentation, including excavation logs, production reports, and financial records. Field inspections will be conducted to validate data and observe operational processes firsthand.

- a. Site visits & data collection from Kailjee & LSMFEZ.
- b. Review of excavation logs, weighbridge records, and crushing reports.
- c. Interviews with site engineers, foremen, and accountants where necessary/possible.
- d. Benchmarking with similar quarry operations in Zambia.

5. SELECTION OF CRITERIA

a) Preliminary Requirements

- NAPSA Certificate
- Certificate of Incorporation/ Registration
- Valid Tax clearance certificate
- EIZ or ZIQS Membership is required

b) Technical capacity of the Firm

- i. Team Leader - Master's degree in engineering/quantity surveying or bachelor's degree with 7 years' experience in Quantity Surveying in addition to minimum requirement stated below
 - Minimum of Seven (7) years' experience as an Engineer/Quantity Surveyor on construction materials, quarrying, mining etc.
 - Work experience within the Zambia and similar conditions is required
 - Experience with reconstruction of quarrying specifically as an added advantage
- ii. The firm should have experience within the Zambia and similar conditions is with a minimum of three (3) similar projects
- iii. In-depth knowledge of building and construction materials and all cost associated with aggregate production, rock crushing and mining – to be provided contracts, recommendation letters, proof of completion certificates.

6. CLARIFICATION

Clarifications on this EOI may be obtained from the Manager Procurement through email address: Eskaya@lsmfez.co.zm. The closing date for clarifications is **Wednesday 3rd September 2025 at 15:00 hours**.

7. DETAILS FOR SUBMISSION

The Expression of Interest should include ALL the items itemized in Section 5 above, accompanied by a Letter Expression of Interest, which should be marked:

LSMFEZ/MD/02/EOI/2025- CONSULTANCY SERVICES FOR THE QUANTITY AND COST MANAGEMENT FOR THE QUARRYING ACTIVITIES IN LS-MFEZ

One Original and three copies of the EOI well-bound documents in a sealed envelope must be deposited in the tender box provided at Lusaka South Multi-Facility Economic Zone Limited, Plot F10723 Chifwema Road, Off Leopards Hill Road, addressed to The Managing Director, Att: The Manager Procurement on or before **Tuesday 9th September 2025 at 10:00 hours**.

The Expression of Interest will be opened in the presence of bidders or their representatives who choose to attend.

LATE SUBMISSIONS WILL NOT BE ACCEPTED