

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.1452/35/L/10 Date: 17th January, 2023

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| **Laboratory Test Report** |

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| 1. **Customer’s Details:** MS GLOBAL MANAGEMENT AND STAFFING AFRICA LIMITED   **E-mail:** betty@globalmanagement.co.ke  **Address:** P.O. Box 60863-00200 NRB Phone: 0707165855  **2. Customer Contact:** 0707165855 6. Job Card No.1310/S/2022  **3. Sample Description:** Gravel 7. Date fee paid: 19/12/2022  **4. Sampled by:** CLIENT. 8. GOK MR No. 4115673  **5. Date Sample received:** 19/12/2022 9. Date Analysis started: 03/01/2023  **10. Additional information provided by the customer:** Routine Maintenance and Spot Improvement of Kangundo-Mwala(B63) Road.  **Source:** Kangundo   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **TEST RESULTS** | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Grading** | | | | | | **Atterberg Limits** | | | | | **Compaction T180** | | **CBR** | | | **% Passing BS Sieve Size (mm)** | | | | | | **LL** | **PL** | **PI** | **LS** | **PM** | **MDD** | **OMC** | **4days Soak**  **(%)** | **Swell** | | **20** | **10** | **5** | **2** | **0.425** | **0.075** | **%** | **%** | **%** | **%** |  | **Kg/m3** | **( % )** | **(%)** | | 467/S/22 | Gravel  A | 100 | 86 | 53 | 36 | 25 | 19 | 30 | 20 | 10 | 5 | 250 | 1915 | 11.6 | 40 | 0.3 | | **SOIL COMPOSITION: Gravel =64%, Sand =17%, Silt/clay =19%** | | | | | | | | | | | | | | | | 468/S/22 | Gravel  B | 100 | 86 | 61 | 43 | 28 | 17 | 24 | 16 | 8 | 4 | 224 | 1950 | 11.5 | 40 | 0.3 | | **SOIL COMPOSITION: Gravel =57%, Sand =26%, Silt/clay =17%** | | | | | | | | | | | | | | | |

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**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC** **Soils Laboratory CSE Soils Laboratory**

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