

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.1457/35/L/10 Date: 13th January, 2023

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| **Laboratory Test Report** |

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| 1. **Customer’s Details:** RESIDENT ENGINEER KURA   **E-mail:** estherwa63@gmail.com  **Address:** P.O. Box 17956-00500 NRB Phone: 0721515815  **2. Customer Contact:** 0721515815 6. Job Card No.1389/S/2023  **3. Sample Description:** Gravel 7. Date fee paid: 04/01/2023  **4. Sampled by:** CLIENT. 8. GOK MR No. 4115760  **5. Date Sample received:** 04/01/2023 9. Date Analysis started: 05/01/2023  **10. Additional information provided by the customer:** Routine Maintenance of Rongai-Kiserian on Ngong Roads.  **Source:** Not provided   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **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** | **( % )** | **(%)** | | 552/S/22 | Gravel | 100 | 93 | 84 | 74 | 49 | 38 | 39 | 25 | 14 | 7 | 686 | 1575 | 19.0 | 30 | 0.3 | | **SOIL COMPOSITION: Gravel =26%, Sand =36%, Silt/clay =38%** | | | | | | | | | | | | | | | |

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**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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