

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.1656/35/L/10 Date: 8th  February, 2023

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| **Laboratory Test Report** |

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| 1. **Customer’s Details:** RESIDENT ENGINEER KURA   **E-mail:** Not Provided  **Address:** Not Provided. Phone: 0729828434  **2. Customer Contact:** 0729828434 6. Job Card No.1510/S/2023  **3. Sample Description:** Gravel 7. Date fee paid: 17/01/2023  **4. Sampled by:** CLIENT. 8. GOK MR No. 4115848  **5. Date Sample received:** 17/01/2023 9. Date Analysis started: 23/01/2023  **10. Additional information provided by the customer:** Dualing of Limuru Road Muthaiga Junction.  **Source:** Stockpile At Site   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **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** | **( % )** | **(%)** | | 623/S/22 | Gravel | 100 | 93 | 68 | 55 | 42 | 31 | 32 | 18 | 14 | 7 | 588 | 1894 | 9.8 | 30 | 0.9 | | **SOIL COMPOSITION: Gravel =45%, Sand =24%, Silt/clay =31%** | | | | | | | | | | | | | | | |

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**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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