

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.1952/35/L/10 Date: 13th March, 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.1933/S/2023  **3. Sample Description:** Gravel for Subbase 7. Date fee paid: 06/03/2023  **4. Sampled by:** CLIENT. 8. GOK MR No. 4127720  **5. Date Sample received:** 03/03/2023 9. Date Analysis started: 06/03/2023  **10. Additional information provided by the customer:** Upgrading to Bituminous Standards of Mariguini (Housing project) roads.  **Source:** Mariguini Road B   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **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** | **( % )** | **(%)** | | 782/S/22 | Gravel | 100 | 78 | 57 | 43 | 28 | 23 | 43 | 31 | 12 | 6 | 336 | 1660 | 10.7 | 35 | 0.7 | | **SOIL COMPOSITION: Gravel =57%, Sand =20%, Silt/clay =23%** | | | | | | | | | | | | | | | |

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**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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