

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.2521/35/L/10 Date: 12th June, 2023

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| **Laboratory Test Report** |

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| **1. Customer’s Details:** REGOINAL DIRECTOR KeRRA KIAMBU REGION.  **E-mail:** nancymaweu5@gmail.com  **Address:** P.O BOX 700 KIAMBU **Phone:** 0720224852  **2. Customer Contact:**0720224852 6. **Job Card No.** 2641/S/2023  **3. Sample Description:** Gravel 7. **Date fee paid:** 31/05/2023  **4. Sampled by:** Client. 8. **GOK MR No**. 4053568  **5. Date Sample received:** 31/05/2023 9. **Date Analysis started**: 02/06/2023  **10. Additional information provided by the customer: Spot Improvement Gravelling of KeRRA Kiambu Roads.**  **Source: Kamiti prison Quarry.**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | TEST RESULTS | | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Dosage**% | **Grading** | | | | | | **Atterberg Limits** | | | | | **Compaction T180** | | **CBR** | | | % Passing BS Sieve Size (mm) | | | | | | LL | PL | PI | LS | PM |  | OMC (%) | 4days Soak  (%) | Swell (%) | | 20 | 10 | 5 | 2 | 0.425 | 0.075 | % | % | % | % |  | MDD  Kg/m3 | | 1056/S/22 | TP1& TP2 | Neat | 100 | 89 | 80 | 55 | 40 | 34 | 40 | 20 | 19 | 9 | 760 | 1860 | 9.9 | 30 | 0.3 | | **SOIL COMPOSITION: Gravel = 45%, Sand = 21%, Silt/clay =34%** | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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