

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.2426/35/L/10 Date: 30th May, 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.2537/S/2023  **3. Sample Description:** Gravel Material 7. Date fee paid: 18/05/2023  **4. Sampled by:** CLIENT. 8. GOK MR No. 4052970  **5. Date Sample received:** 18/05/2023 9. Date Analysis started: 22/05/2023  **10. Additional information provided by the customer:** Periodic Maintenance of Ngong, Rongai, Kiserian Rd (Ilmasi Town- Baraka Center Road.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **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** | **( % )** | **(%)** | | 1008/S/22 | Inovate Ololka Quarry | 100 | | 96 | | 90 | 83 | 48 | | | 39 | 63 | | | 41 | | 22 | 11 | 1056 | | 1426 | 17.2 | 12 | 0.5 | | **SOIL COMPOSITION: Gravel =17%, Sand =44%, Silt/clay =39%** | | | | | | | | | | | | | | | | | | | | | | | | 1009/S/22 | Oletepesi Quarry | 100 | 92 | | 79 | | 65 | | 40 | 31 | | | 46 | 29 | | 17 | | 9 | | 680 | 1314 | 23.1 | 50 | 0.3 | | **SOIL COMPOSITION: Gravel =35%, Sand =34Silt/clay =31%** | | | | | | | | | | | | | | | | | | | | | | | |

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**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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