

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.656/35/L/10 Date: 11th October, 2023

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| **Laboratory Test Report** |

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| **1. Customer’s Details:** TERTIARY CONSULTING ENGINEERS.  **E-mail:** jmndiku@gmail.com  **Address:** P.O BOX 46439-00100 NRB **Phone:** 0721235784  **2. Customer Contact:**0721235784 6. **Job Card No.** 799/S/2023  **3. Sample Description:** Gravel 7. **Date fee paid:** 26/09/2023  **4. Sampled by:** Client. 8. **GOK MR No**. 4367703  **5. Date Sample received:**26/09/2023 9. **Date Analysis started**: 26/09/2023  **10. Additional information provided by the customer: Amboseli National Park**     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | 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 | | 380/S/23 | Oltukai Makutano | Neat | 100 | 86 | 81 | 68 | 55 | 40 | 32 | 16 | 16 | 8 | 880 | 1822 | 10.6 | 35 | 0.3 | | **SOIL COMPOSITION: Gravel = 32%, Sand = 28%, Silt/clay =40%** | | | | | | | | | | | | | | | | 381/S/22 | Kimana Meshe Nani Gate | Neat | 100 | 87 | 66 | 35 | 27 | 15 | 49 | 31 | 18 | 9 | 486 | 1826 | 10.2 | 35 | 0.3 | | **SOIL COMPOSITION: Gravel =65 %, Sand = 20%, Silt/clay =15%** | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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