

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.846/35/L/10 Date: 30th October, 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:** 0726726660 6. Job Card No. 1057/S/2023  **3. Sample Description:** Blended crushed soft rock and gravel 7. Date fee paid: 23/10/2023  **4. Sampled by:** Client. 8. GOK MR No.4367912  **5. Date Sample received:** 23/10/2023 9. Date Analysis started: 25/10/2023  **10. Additional information provided by the customer:** Rehabilitation of Kuja lane  **Source:** At Km 0+000 - 0+197 2nd Sampling.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | TEST RESULTS | | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Dosage** % | **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 | ( % ) | (%) | | 675/S/23 | Blended crushed soft rock & gravel | Neat | 100 | 79 | 63 | 47 | 24 | 17 | 42 | 30 | 12 | 6 | 288 | 1516 | 15.5 | 30 | 0.3 | | **SOIL COMPOSITION: Gravel = 53%, Sand = 30%, Silt/clay =17%** | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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