

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M./35/L/10 Date: 13rd FEBRUARY, 2024

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| **Laboratory Test Report** |

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| **1. Customer’s Details:** MTRD  **E-mail:**  **Address:** P.O BOX NRB Phone:  **2. Customer Contact:** 6. Job Card No.  **3. Sample Description:** Lateritic Gravel & Red Soil 7. Date fee paid:  **4. Sampled by:**. 8. GOK MR No.  **5. Date Sample received:** 9. Date Analysis started:  **10. Additional information provided by the customer:** Research.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | TEST RESULTS | | | | | | | | | | | | | | | | | | | | **Reference** | | **Dosage** % | **Grading** | | | | | | **Atterberg Limits** | | | | | **Compaction T99** | | **Compaction T180** | | **CBR** | | | % Passing BS Sieve Size (mm) | | | | | | LL | PL | PI | LS | PM | MDD | OMC | MDD | OMC | At OMC  (%) | Swell | | 20 | 10 | 5 | 2 | 0.425 | 0.075 | % | % | % | % |  | Kg/m3 | (%) | Kg/m3 | ( % ) | (%) | | Lateritic Gravel | | Neat |  |  |  |  |  |  |  |  |  |  |  |  |  | 1890 | 11.7 | 140 |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | 1900 | 10.9 | 143 |  | |  |  |  |  |  |  |  |  |  |  |  | 1555 | 12.5 |  |  | 77 |  | |  |  |  |  |  |  |  |  |  |  |  | 1530 | 12.0 |  |  | 75 |  | | Reddish Clay Soil | | Neat |  |  |  |  |  |  |  |  |  |  |  |  |  | 1455 | 29.5 | 100 |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | 1445 | 30.0 | 97 |  | |  |  |  |  |  |  |  |  |  |  |  | 1290 | 32.4 |  |  | 59 |  | |  |  |  |  |  |  |  |  |  |  |  | 1280 | 32.8 |  |  | 56 |  | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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