

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.793/35/L/10 Date: 1st November, 2023

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| **Laboratory Test Report** |

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| **1. Customer’s Details:** RESIDENT ENGINEER. KENHA, NAIROBI REGION.  **E-mail:** rd.nairobi@kenha.co.ke  **Address:** P.O BOX 200-00507 NRB Phone: 0713141871  **2. Customer Contact:** 0713141871 6. Job Card No. 832/S/2023  **3. Sample Description:** Gravel Material 7. Date fee paid: 29/09/2023  **4. Sampled by:** Client. 8. GOK MR No.4367734  **5. Date Sample received:** 29/09/2023 9. Date Analysis started:09/10/2023  **10. Additional information provided by the customer:** Performance based contract & safety enhancement of Magumu-Njabini (B10)  **Source:** Km 2+600   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | 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 | ( % ) | (%) | | 408/S/23 | Gravel | Neat | 100 | 96 | 89 | 75 | 50 | 29 | NON- PLASTIC | | | | | 1896 | 11.8 | 35 | 0.3 | | **SOIL COMPOSITION: Gravel = 25%, Sand = 46%, Silt/clay =29%** | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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