

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

Telegraphic Address: “MINWORKS”, Nairobi Materials Testing & Research Division Telephone: Nairobi 0202554950 Machakos Road, Industrial Area Fax: 554877 P.O. Box 11873 – 00400 E-mail: [chiefengineer@mtrd.go.ke](mailto:chiefengineer@mtrd.go.ke) **NAIROBI**

Ref No. M.580/35/L/10 Date: 26th September, 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. 562/S/2023  **3. Sample Description:** Gravel 7. Date fee paid: 04/09/2023  **4. Sampled by:** Client. 8. GOK MR No.4058801  **5. Date Sample received:** 04/09/2023 9. Date Analysis started:15/09/2023  **10. Additional information provided by the customer:** Periodic Maintenance of Kiambu -Raini-Ndenderu B15 Road.  **Source:** Km 7+000 Shoulder   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | 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 | ( % ) | (%) | | 274/S/23 | Gravel | Neat | 100 | 84 | 58 | 38 | 22 | 18 | 40 | 22 | 18 | 9 | 396 | 1783 | 15.0 | 30 | 0.2 | | **SOIL COMPOSITION: Gravel = 62%, Sand = 20%, Silt/clay =18%** | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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