

**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.1854/35/L/10 Date: 6th March, 2023

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| **Laboratory Test Report** |

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| 1. **Customer’s Details:** RESIDENT ENGINEER.   **E-mail:** corridora.sultan@kenha.co.ke  **Address:** P.O BOX 49712-00100 NRB Phone: 020-2556600  **2. Customer Contact:** 020-2556600 6. Job Card No.1813/S/2023  **3. Sample Description:** Gravel 7. Date fee paid: 21/02/2023  **4. Sampled by:** CLIENT. 8. GOK MR No. 4127613  **5. Date Sample received:** 21/02/2023 9. Date Analysis started: 23/02/2023  **10. Additional information provided by the customer:** Makindu Mtito-Andei.  **Source:** Kibari.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **TEST RESULTS** | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **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** | **( % )** | **(%)** | | 715/S/23 | Gravel | 100 | 84 | 59 | 47 | 33 | 22 | 38 | 22 | 16 | 8 | 528 | 1761 | 14.5 | 26 | 1.4 | | **SOIL COMPOSITION: Gravel =53%, Sand =25%, Silt/clay =22%** | | | | | | | | | | | | | | | |

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**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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