

**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.1691/35/L/10 Date:20th March, 2023

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| **Laboratory Test Report** |

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| 1. **Customer’s Details:** KENYA URBAN ROADS AUTHORITY   **E-mail:** sajucycompanyltd@gmail.com  **Address:** P.O. Box 75792-00200 NRB Phone: 0797671860  **2. Customer Contact:** 0797671860 6. Job Card No.1673/S/2023  **3. Sample Description:** Lateritic gravel 7. Date fee paid: 03/02/2023  **4. Sampled by:** CLIENT. 8. GOK MR No.4115995  **5. Date Sample received:** 03/02/2023 9. Date Analysis started: 08/02/2023  **10. Additional information provided by the customer:** Dualling of united Avenue/Limuru road Junction-Northern bypass  **Source:** Marurui Borrow pit.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **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** | **( % )** | **(%)** | | 677/S/22 | Gravel | 100 | 88 | 61 | 33 | 14 | 12 | 47 | 29 | 18 | 9 | 252 | 1758 | 16.8 | 40 | 0.2 | | **SOIL COMPOSITION: Gravel =67%, Sand =21%, Silt/clay =12%** | | | | | | | | | | | | | | | |

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**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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