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# **REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

Telegraphic Address: “MINWORKS”, Nairobi Materials Testing & Research Division Telephone: Nairobi 554950/3/4 Machakos Road, Industrial Area Fax: 554877 P.O. Box 11873 – 00400 E-mail: chiefengineer@mtrd.go.ke NAIROBI

Ref No. M./35/L/10 Date: 14th September, 2023

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**1. Customer’s Details:** SAMA HOLDING LIMITED.

**E-mail:** samaholdingltd@gmail.com

**Address:** P.O BOX 44799-00100 NRB **Phone:** 0714768578

**2. Customer Contact:** 0714768578 6. **Job Card No.** 457/S/2023

**3. Sample Description:** Subbase Layer 7. **Date fee paid:** 22/08/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4058707

**5. Date Sample received:** 22/08/2023 9. **Date Analysis started**:22/08/2023

**10. Additional information provided by the customer:** Access to Kibera Housing (Undugu -Andolo Road).

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| **Sample No.** | **Date tested** | **Chainage**  **(Km)** | **Position** | **Layer Thickness (mm)** | **Field dry density**  **Kg/m3** | **Field moisture content (%)** | **Max. dry density**  **T180**  **Kg/m3** | **Optimum moisture content (%)** | **Relative Compaction (%)** | **Relative moisture content (%)** |
| **KM 0+000-0+200 Subbase Layer** | | | | | | | | | | |
| 288/S/23 | 22/08/2023 | 0+050 | LHS | 147 | 1763 | 11.0 | 1723 | 13.3 | 102 | 83 |
| 289/S/23 | 22/08/2023 | 0+100 | CL | 143 | 1789 | 10.8 | 1723 | 13.3 | 104 | 81 |
|  |  |  |  |  |  |  |  |  |  |  |
| 290/S/23 | 22/08/2023 | 0+150 | RHS | 150 | 1833 | 11.3 | 1723 | 13.3 | 106 | 85 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS OiC Soils Laboratory. CSE Soils Laboratory.**

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