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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.328/35/L/10 Date: 11th August, 2023

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**1. Customer’s Details:** RESIDENT ENGINEER KURA.

**E-mail:** Not provided

**Address:** P.O. Box 41727-00100 NRB **Phone:** 0718713386

**2. Customer Contact:** 0718713386 6. **Job Card No.** 303/S/2023

**3. Sample Description:** Subgrade Layer 7. **Date fee paid:** 07/08/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4058564

**5. Date Sample received:** 07/08/2023 9. **Date Analysis started**:07/08/2023

**10. Additional information provided by the customer: Improvement of Affordable housing Access roads in Shauri moyo**.

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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**  **T99**  **Kg/m3** | **Optimum moisture content (%)** | **Relative Compaction (%)** | **Relative moisture content (%)** |
| **KM 0+030-0+240 RHS** | | | | | | | | | | |
| 145/S/23 | 07/08/2023 | 0+100 | LHS | 150 | 1313 | 23.9 | 1340 | 20.8 | 98 | 115 |
| 146/S/23 | 07/08/2023 | 0+150 | CL | 150 | 1286 | 24.5 | 1340 | 20.8 | 96 | 118 |
| 147/S/23 | 07/08/2023 | 0+210 | RHS | 150 | 1345 | 21.2 | 1340 | 20.8 | 100 | 102 |

**Eng. J. M. Mbarua**

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

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