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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.486/35/L/10 Date: 5th September, 2023

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**1. Customer’s Details:** HAWK-SNOW SOLUTIONS LIMITED.

**E-mail:** Not provided

**Address:** P.O. Box 289 NRB **Phone:** 0703172894

**2. Customer Contact:** 0703172894 6. **Job Card No.** 534/S/2023

**3. Sample Description:**  Subbase Layer 7. **Date fee paid:** 31/08/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4058776

**5. Date Sample received:** 31/08/2023 9. **Date Analysis started**:31/08/2023

**10. Additional information provided by the customer:**  Construction and Drainage improvement of AA Deliverance Road in Imara Daima.

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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+180 Subbase Layer** | | | | | | | | | | |
| 252/S/23 | 31/08/23 | 0+020 | LHS | 150 | 1556 | 14.0 | 1623 | 16.1 | 96 | 87 |
| 253/S/23 | 31/08/23 | 0+080 | RHS | 150 | 1549 | 14.7 | 1623 | 16.1 | 95 | 91 |
| 254/S/23 | 31/08/23 | 0+140 | CL | 150 | 1545 | 14.1 | 1623 | 16.1 | 95 | 88 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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