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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.1674/35/L/10 Date: 13th February, 2023

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

**E-mail:** rd.nairobi@kenha.co.ke

**Address:** P.O.Box 200-00507 NRB **Phone:** 0724967038

**2. Customer Contact:** 0724967038 6. **Job Card No.** 1529/S/2023

**3. Sample Description:** Subbase 7. **Date fee paid:** 19/01/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4115866

**5. Date Sample received:** 20/01/2023 9. **Date Analysis started**: 20/01/2023

**10. Additional information provided by the customer:** Routine Maintenance and Spot Improvement of Oletepesi Magadi B19 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 (%)** |
| Subbase Km 13+280-13+680 RHS Shoulder | | | | | | | | | | |
| 641/S/22 | 20/01/23 | 13+300 | RHS | 150 | 1801 | 10.9 | 1887 | 12.5 | 95 | 87 |
| 642/S/22 | 20/01/23 | 13+370 | CL | 146 | 1851 | 10.5 | 1887 | 12.5 | 99 | 84 |
| 643/S/22 | 20/01/23 | 13+440 | CL | 150 | 1946 | 10.2 | 1887 | 12.5 | 104 | 82 |
| 644/S/22 | 20/01/23 | 13+510 | LHS | 148 | 1970 | 10.9 | 1887 | 12.5 | 104 | 87 |
| 645/S/22 | 20/01/23 | 13+580 | CL | 150 | 1888 | 11.3 | 1887 | 12.5 | 100 | 90 |
| 646/S/22 | 20/01/23 | 13+650 | RHS | 147 | 1830 | 11.0 | 1887 | 12.5 | 97 | 88 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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