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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.1649/35/L/10 Date: 7th 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.** 1637/S/2023

**3. Sample Description:** Subbase 7. **Date fee paid:** 31/01/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4115960

**5. Date Sample received:** 25/01/2023 9. **Date Analysis started**: 25/01/2023

**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 12+100-12+850 LHS Shoulder | | | | | | | | | | |
| 676/S/22 | 25/01/23 | 12+150 | LHS | 150 | 1913 | 12.1 | 1887 | 12.5 | 101 | 97 |
| 677/S/22 | 25/01/23 | 12+250 | RHS | 146 | 1909 | 12.3 | 1887 | 12.5 | 101 | 98 |
| 678/S/22 | 25/01/23 | 12+350 | CL | 150 | 1812 | 12.1 | 1887 | 12.5 | 96 | 97 |
| 679/S/22 | 25/01/23 | 12+450 | LHS | 148 | 1894 | 12.4 | 1887 | 12.5 | 100 | 99 |
| 680/S/22 | 25/01/23 | 12+550 | CL | 150 | 1843 | 12.5 | 1887 | 12.5 | 98 | 100 |
| 681/S/22 | 25/01/23 | 12+650 | RHS | 147 | 1803 | 12.8 | 1887 | 12.5 | 96 | 102 |
| 682/S/22 | 25/01/23 | 12+750 | CL | 150 | 1876 | 12.8 | 1887 | 12.5 | 99 | 102 |
| 683/S/22 | 25/01/23 | 12+840 | LHS | 145 | 1941 | 12.2 | 1887 | 12.5 | 102 | 98 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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