# 

# 

# **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.1650/35/L/10 Date: 7th February, 2023

|  |
| --- |
|  |

**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.** 1539/S/2023

**3. Sample Description:** Wearing Course 7. **Date fee paid:** 20/01/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4115876

**5. Date Sample received:** 19/01/2023 9. **Date Analysis started**: 19/01/2023

**10. Additional information provided by the customer:** Routine Maintenance and Spot Improvement of Kamukuru Elangata B51 Road.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 (%)** |
| Wearing Course Km 12+800-15+800 | | | | | | | | | | |
| 647/S/22 | 19/01/23 | 13+200 | LHS | 150 | 1748 | 15.0 | 1669 | 15.3 | 105 | 97 |
| 648/S/22 | 19/01/23 | 13+850 | CL | 150 | 1616 | 15.4 | 1669 | 15.3 | 96 | 100 |
| 649/S/22 | 19/01/23 | 14+100 | RHS | 150 | 1734 | 14.9 | 1669 | 15.3 | 104 | 97 |
| Wearing Course Km 16+580-16+720 | | | | | | | | | | |
| 650/S/22 | 19/01/23 | 16+600 | LHS | 150 | 1742 | 14.5 | 1669 | 15.3 | 98 | 95 |
| 651/S/22 | 19/01/23 | 16+700 | RHS | 150 | 1694 | 14.9 | 1669 | 15.3 | 102 | 97 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

**………………………. ………………………..**