# 

# 

# **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.300/35/L/10 Date: 8th August, 2023

|  |
| --- |
|  |

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

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

**Address:** P.O. Box 200-00507 NRB **Phone:** 0713141871

**2. Customer Contact:** 0713141871 6. **Job Card No.** 256/S/2023

**3. Sample Description:** Base Layer 7. **Date fee paid:** 01/08/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4058521

**5. Date Sample received:** 01/08/2023 9. **Date Analysis started**:01/08/2023

**10. Additional information provided by the customer: Performance Based Contract for Maintenance of Muthaiga-Kiambu (B32) 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 (%)** |
| **Base layer Km 5+350-5+700 LHS** | | | | | | | | | | |
| 153/S/23 | 01/08/23 | 5+440 | LHS | 138 | 1616 | 13.7 | 1823 | 13.8 | 89 | 99 |
| 154/S/23 | 01/08/23 | 5+670 | LHS | 140 | 1471 | 14.1 | 1823 | 13.8 | 81 | 102 |
| **Base layer Km 5+350-5+700 RHS** | | | | | | | | | | |
| 155/S/23 | 01/08/23 | 5+680 | RHS | 136 | 1606 | 14.0 | 1823 | 13.8 | 88 | 101 |
| 156/S/23 | 01/08/23 | 5+750 | RHS | 138 | 1615 | 14.0 | 1823 | 13.8 | 89 | 101 |
| 157/S/23 | 01/08/23 | 5+525 | RHS | 132 | 1661 | 13.8 | 1823 | 13.8 | 91 | 100 |

**Eng. J. M. Mbarua**

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

**………………………. ………………………..**