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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.1798/35/L/10 Date: 27th 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.** 1827/S/2023

**3. Sample Description:** Base Layer 7. **Date fee paid:** 23/02/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4127628

**5. Date Sample received:** 22/02/2023 9. **Date Analysis started**:22/02/2023

**10. Additional information provided by the customer:** Routine Maintenance and Spot Improvement of Kiserian-Oletepesi (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 (%)** |
| **Base layer Km 3+253-3+299** | | | | | | | | | | |
| 730/S/22 | 22/2/2023 | 3+255 | RHS | 200 | 1581 | 10.8 | 1618 | 12.9 | 98 | 84 |
| 731/S/22 | 22/2/2023 | 3+270 | CL | 205 | 1595 | 11.0 | 1618 | 12.9 | 99 | 85 |
| 732/S/22 | 22/2/2023 | 3+285 | LHS | 198 | 1565 | 11.5 | 1618 | 12.9 | 97 | 89 |
| **Base layer Km 5+760-5+930** | | | | | | | | | | |
| 733/S/22 | 22/2/2023 | 5+760 | RHS | 200 | 1534 | 10.7 | 1618 | 12.9 | 95 | 91 |
| 734/S/22 | 22/2/2023 | 5+850 | CL | 203 | 1572 | 10.5 | 1618 | 12.9 | 97 | 81 |
| 735/S/22 | 22/2/2023 | 5+930 | LHS | 200 | 1603 | 11.3 | 1618 | 12.9 | 99 | 88 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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