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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.2625/35/L/10 Date: 29th June, 2023

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

**E-mail:** estherwa63@gmail.com

**Address:** P.O. Box 17956-00500 NRB **Phone:** 0721515815

**2. Customer Contact:** 0721515815 6. **Job Card No.** 2716/S/2023

**3. Sample Description:** Base Layer 7. **Date fee paid:** 8/06/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4053634

**5. Date Sample received:** 20/06/2023 9. **Date Analysis started**:20/06/2023

**10. Additional information provided by the customer:** Periodic maintenance of Ngong, Rongai, Kiserian Road, Ilmasi Town 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 (%)** |
| **Km 0+000-1+000 Base Layer** | | | | | | | | | | |
| 1094/S/22 | 20/6/2023 | 0+100 | RHS | 150 | 1288 | 19.4 | 1314 | 23.1 | 98 | 84 |
| 1095/S/22 | 20/6/2023 | 0+300 | CL | 149 | 1314 | 21.0 | 1314 | 23.1 | 100 | 91 |
| 1096/S/22 | 20/6/2023 | 0+500 | LHS | 150 | 1300 | 19.4 | 1314 | 23.1 | 99 | 84 |
| 1097/S/22 | 20/6/2023 | 0+700 | RHS | 145 | 1275 | 21.7 | 1314 | 23.1 | 97 | 94 |
| 1098/S/22 | 20/6/2023 | 0+900 | LHS | 150 | 1301 | 18.7 | 1314 | 23.1 | 99 | 81 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**