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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.1476/35/L/10 Date: 16th January, 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.** 1449/S/2023

**3. Sample Description:** Base Layer 7. **Date fee paid:** 12/01/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4115792

**5. Date Sample received:** 12/01/2023 9. **Date Analysis started**: 12/01/2023

**10. Additional information provided by the customer:** Improvement of Lenana Road,Jakaya Kikwete & Adjacent Junction & Woodland & Expansion to Jabavu 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 Walkway RHS Km 0+100-0+220** | | | | | | | | | | |
| 592/S/22 | 12/01/23 | 0+180 | CL | 150 | 1422 | 21.1 | 1440 | 20.4 | 99 | 103 |
| **Base Layer Walkway RHS Km 0+140-0+370** | | | | | | | | | | |
| 593/S/22 | 12/01/23 | 0+200 | CL | 145 | 1426 | 19.6 | 1440 | 20.4 | 99 | 96 |
| 594/S/22 | 12/01/23 | 0+300 | CL | 150 | 1411 | 18.2 | 1440 | 20.4 | 98 | 89 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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