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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.842/35/L/10 Date: 26th October, 2023

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

**E-mail:** estherwa63@gmail

**Address:** P.O BOX 17956 NAIROBI **Phone:** 0721515815

**2. Customer Contact:** 0721515815 6. **Job Card No.** 1056/S/2023

**3. Sample Description:** Subbase Layer 7. **Date fee paid:** 23/10/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4367911

**5. Date Sample received:** 23/10/2023 9. **Date Analysis started**: 23/10/2023

**10. Additional information provided by the customer:** Rehabilitation of Kuja Lane off Marula manor

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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+040-0+170 Subbase Layer (Re-test)** | | | | | | | | | | |
| 671/S/23 | 23/10/23 | 0+040 | CL | 195 | 1506 | 16.8 | 1516 | 15.5 | 98 | 99 |
| 672/S/23 | 23/10/23 | 0+100 | RHS | 198 | 1540 | 15.5 | 1516 | 15.5 | 102 | 100 |
| 673/S/23 | 23/10/23 | 0+140 | LHS | 197 | 1458 | 15.0 | 1516 | 15.5 | 96 | 97 |
| 674/S/23 | 23/10/23 | 0+170 | CL | 199 | 1485 | 15.2 | 1516 | 15.5 | 98 | 98 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**