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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.865/35/L/10 Date: 1st November, 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:** 0713141871

**2. Customer Contact:** 0713141871 6. **Job Card No.** 1109/S/2023

**3. Sample Description:** Base Layer 7. **Date fee paid:** 30/10/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4367964

**5. Date Sample received:** 30/10/2023 9. **Date Analysis started**:30/10/2023

**10. Additional information provided by the customer: Performance based contract maintenance and safety enhancement for Magumu-Njabini (B110) 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 14+365-15+ 800 Base Layer** | | | | | | | | | | |
| 680/S/23 | 30/10/23 | 14+450 | LHS | 150 | 1661 | 19.5 | 1645 | 20.4 | 101 | 96 |
| 681/S/23 | 30/10//23 | 15+550 | RHS | 150 | 1710 | 16.9 | 1645 | 20.4 | 104 | 83 |
| 682/S/23 | 30/10/23 | 15+650 | LHS | 150 | 1677 | 18.4 | 1645 | 20.4 | 102 | 90 |
| 683/S/23 | 30/10/23 | 15+750 | CL | 150 | 1645 | 19.2 | 1645 | 20.4 | 100 | 94 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS**

**OiC Soils Laboratory CSE Soils Laboratory**

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