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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.693/35/L/10 Date: 12th October, 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.** 888/S/2023

**3. Sample Description:** Base Layer 7. **Date fee paid:** 04/10/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4367778

**5. Date Sample received:** 04/10/2023 9. **Date Analysis started**:04/10/2023

**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+800-15+ 420 Base Layer** | | | | | | | | | | |
| 428/S/23 | 04/10/23 | 14+800 | CL | 100 | 1618 | 16.5 | 1645 | 20.4 | 98 | 81 |
| 429/S/23 | 04/10//23 | 15+100 | RHS | 105 | 1701 | 18.3 | 1645 | 20.4 | 103 | 90 |
| 430/S/23 | 04/10/23 | 15+210 | LHS | 105 | 1699 | 18.1 | 1645 | 20.4 | 103 | 89 |
| 431/S/23 | 04/10/23 | 15+320 | CL | 125 | 1751 | 17.6 | 1645 | 20.4 | 106 | 86 |
| 432/S/23 | 04/10/23 | 15+420 | RHS | 130 | 1492 | 19.2 | 1645 | 20.4 | 91 | 94 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS**

**OiC Soils Laboratory CSE Soils Laboratory**

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