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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.2587/35/L/10 Date: 21st JUNE, 2023

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**1. Customer’s Details:** RESIDENT ENGINEER KeNHA, NAIROBI REGION

**E-mail:** rd.nairobi@kenha.co.ke

**Address:** P.O.BOX 200-00507 NRBI **Phone:** 0713141871

**2. Customer Contact:** 0716904121 6. **Job Card No.** 2768/S/2023

**3. Sample Description:** Stabilized base Layer 7. **Date fee paid:** 15/06/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4053682

**5. Date Sample received:** 15/06/2023 9. **Date Analysis started**: 15/06/2023

**10. Additional information provided by the customer:** Performance based contract for maintenance of Muthaiga-Kiambu(B32) 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**  **T99**  **Kg/m3** | **Optimum moisture content (%)** | **Relative Compaction (%)** | **Relative moisture content (%)** |
| 1085/S/23 | 15/06/23 | 3+150 | RHS | 150 | 1649 | 15.1 | 1750 | 18.4 | 94 | 82 |
| 1086/S/23 | 15/06/23 | 3+300 | RHS | 150 | 1762 | 16.8 | 1750 | 18.4 | 101 | 91 |
| 1087/S/23 | 15/06/23 | 3+450 | LHS | 150 | 1704 | 14.2 | 1750 | 18.4 | 97 | 77 |
| 1088/S/23 | 15/06/23 | 3+600 | LHS | 150 | 1682 | 15.7 | 1750 | 18.4 | 96 | 85 |
| 1089/S/23 | 15/06/23 | 3+700 | LHS | 150 | 1646 | 14.7 | 1750 | 18.4 | 94 | 80 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS) CSE Soils Laboratory**

**OiC Soils Laboratory**

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