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# **REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT FOR 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.976/35/L/10 Date: 27th 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.** 1246/S/2023

**3. Sample Description:** Base Layer 7. **Date fee paid:** 23/11/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4388592

**5. Date Sample received:** 23/11/2023 9. **Date Analysis started**:23/11/2023

**10. Additional information provided by the customer: Periodic maintenance of Ruiru-Tatu city-Kiambu (B115) 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**  **VH**  **Kg/m3** | **Optimum moisture content (%)** | **Relative Compaction (%)** | **Relative moisture content (%)** |
| **KM 1+664-1+860 Base Layer Shoulders** | | | | | | | | | | |
| 760/S/23 | 23/11/2023 | 1+680 | LHS | 125 | 1990 | 10.3 | 2070 | 10.2 | 96 | 101 |
| 761/S/23 | 23/11/2023 | 1+740 | LHS | 130 | 2013 | 10.5 | 2070 | 10.2 | 97 | 103 |
| 762/S/23 | 23/11/2023 | 1+840 | LHS | 150 | 1976 | 10.2 | 2070 | 10.2 | 95 | 100 |
| 763/S/23 | 23/11/2023 | 1+720 | RHS | 137 | 20.6 | 10.4 | 2070 | 10.2 | 98 | 102 |
| 764/S/23 | 23/11/2023 | 1+770 | RHS | 150 | 2017 | 10.5 | 2070 | 10.2 | 97 | 103 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS**

**OiC Soils Laboratory CSE Soils Laboratory**

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