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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.502/35/L/10 Date: 7th September, 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.** 560/S/2023

**3. Sample Description:** OGL **&** Fill Layer 7. **Date fee paid:** 04/09/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4058800

**5. Date Sample received:** 06/09/2023 9. **Date Analysis started**:06/09/2023

**10. Additional information provided by the customer: Periodic maintenance of Ruiru-Tau 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**  **T99**  **Kg/m3** | **Optimum moisture content (%)** | **Relative Compaction (%)** | **Relative moisture content (%)** |
| **Km 0+000-0+120 LHS Final Fill** | | | | | | | | | | |
| 275/S/23 | 6/09/2023 | 0+035 | RHS | 140 | 1865 | 10.5 | 1964 | 11.5 | 95 | 91 |
| **Km 0+000-0+120 RHS OGL** | | | | | | | | | | |
| 276/S/23 | 6/09/2023 | 0+100 | LHS | 150 | 1900 | 11.3 | 1964 | 11.5 | 97 | 98 |
| **Km 1+500-1+780 LHS Final Fill** | | | | | | | | | | |
| 277/S/23 | 6/09/2023 | 1+700 | LHS | 150 | 1964 | 11.0 | 1964 | 11.5 | 100 | 96 |
| **Km 1+780-2+000 RHS Final Fill** | | | | | | | | | | |
| 278/S/23 | 6/09/2023 | 1+990 | RHS | 150 | 1938 | 10.3 | 1964 | 11.5 | 99 | 90 |
| **Km 2+600-3+500 RHS Final Fill** | | | | | | | | | | |
| 279/S/23 | 6/09/2023 | 1+645 | RHS | 150 | 1955 | 10.5 | 1964 | 11.5 | 100 | 91 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS OiC Soils Laboratory. CSE Soils Laboratory.**

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