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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.191/35/L/10 Date: 2nd August, 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.** 215/S/2023

**3. Sample Description:** Base Layer 7. **Date fee paid:** 27/07/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4053981

**5. Date Sample received:** 27/07/2023 9. **Date Analysis started**:27/07/2023

**10. Additional information provided by the customer: Performance Based Maintenance for outering Junction -Kamulu (B63) 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 (%)** |
| **Base layer Km 18+663-18+812 LHS SHOULDER** | | | | | | | | | | |
| 109/S/23 | 27/07/23 | 18+665 | LHS | 150 | 1894 | 6.4 | 1930 | 8.0 | 98 | 80 |
| **Base layer Km 16+198-16+748 RHS SHOULDER** | | | | | | | | | | |
| 110/S/23 | 27/07/23 | 16+680 | RHS | 150 | 1923 | 6.4 | 1930 | 8.0 | 100 | 80 |
| 111/S/23 | 27/07/23 | 16+426 | RHS | 150 | 1884 | 5.7 | 1930 | 8.0 | 98 | 71 |
| **Base layer Km 15+493-16+155 RHS SHOULDER** | | | | | | | | | | |
| 112/S/23 | 27/07/23 | 16+100 | RHS | 150 | 1969 | 6.5 | 1930 | 8.0 | 102 | 81 |
| 113/S/23 | 27/07/23 | 15+775 | RHS | 150 | 2047 | 7.0 | 1930 | 8.0 | 106 | 88 |

**Eng. J. M. Mbarua**

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

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