# 

# **REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

Telegraphic Address: “MINWORKS”, Nairobi Materials Testing & Research Division Telephone: Nairobi 0202554950 Machakos Road, Industrial Area Fax: 554877 P.O. Box 11873 – 00400 E-mail: chiefengineer@mtrd.go.ke NAIROBI

Ref No. M.1569/35/L/10 Date: 27th January, 2023

|  |
| --- |
| **Laboratory Test Report** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1. Customer’s Details:** SENSEI LIMITED  **E-mail:** Not provided  **Address:** P.O.Box 15045-00100 **Phone:** 0721981769  **2. Customer Contact:** 0721981769 6. **Job Card No.** 1579/S/2023  **3. Sample Description:** Fill 18 7. **Date fee paid:** 25/01/2023  **4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4115912  **5. Date Sample received:** 26/01/2023 9. **Date Analysis started**:26/01/2023  **10. Additional information provided by the customer:** Construction of Maparasha Bridge.   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **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**  (%) | | Fill 18 Layer Abutment B | | | | | | | | | | | | 669/S/22 | 26/01/23 | Left | | 147 | 1812 | 9.2 | 1830 | 9.4 | 99 | 97 | | 670/S/22 | 26/01/23 | Centre | | 150 | 1833 | 8.8 | 1830 | 9.4 | 100 | 94 | | 671/S/22 | 26/01/23 | Right | | 145 | 1793 | 8.7 | 1830 | 9.4 | 98 | 93 | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC** **Soils Laboratory CSE Soils Laboratory**

**…………………. …………………..**