

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.2198/35/L/10 Date: 20th April, 2023

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| **Laboratory Test Report** |

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| **1. Customer’s Details:** GANATRA PLANT & EQUIPMENT LIMITED.  **E-mail:** sales@gpe.co.ke  **Address:** P.O BOX 31024-00600 NRB **Phone:** 0720599533  **2. Customer Contact:**0720599533 6. **Job Card No.** 2288/S/2023  **3. Sample Description:** Fill Layer 7. **Date fee paid:** 18/04/2023  **4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4052763  **5. Date Sample received:** 18/04/2023 9. **Date Analysis started**: 18/04/2023  **10. Additional information provided by the customer: JCB AND DYNAPAC COMPITENCY ANALYSIS**   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **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 (%)** | | **Rolling Only 2 Passes** | | | | | | | | | | | | 916/S/22 | 18/04/23 | Dynapac | A | 150 | 1215 | 10.6 | 1800 | 10.3 | 67 | 103 | | 917/S/22 | 18/04/23 | JCB | B | 150 | 1195 | 10.7 | 1800 | 10.3 | 66 | 104 | | **Rolling + High Vibration 2Passes** | | | | | | | | | | | | 918/S/22 | 18/04/23 | Dynapac | A1 | 145 | 1296 | 10.6 | 1800 | 10.3 | 72 | 103 | | 919/S/22 | 18/04/23 | JCB | B1 | 145 | 1229 | 10.6 | 1800 | 10.3 | 68 | 103 | | **Rolling + High Vibration 2Passes +High Vibration 2 Passes** | | | | | | | | | | | | 920/S/22 | 18/04/23 | Dynapac | A2 | 145 | 1724 | 10.8 | 1800 | 10.3 | 96 | 105 | | 921/S/22 | 18/04/23 | JCB | B2 | 140 | 1536 | 10.6 | 1800 | 10.3 | 85 | 103 | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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