# 

# 

# 

# **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.2520/35/L/10 Date: 9th June, 2023

|  |
| --- |
|  |

**1. Customer’s Details:** M/S PEGA ENGINEERING COMPANY LIMITED

**E-mail:** Not provided

**Address:** P.O BOX 20099-00200 NRB **Phone:** 0721946367

**2. Customer Contact:** 0721946367 6. **Job Card No.** 2709/S/2023

**3. Sample Description:** Subbase Layer 7. **Date fee paid:** 07/06/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4053628

**5. Date Sample received:** 07/06/2023 9. **Date Analysis started**: 07/06/2023

**10. Additional information provided by the customer: Construction of Phase III Estate Road Within Mwiki Ward**

**Contract No. NCC/WOF/T/069/2022-2023.**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 (%)** |
| **KM 0+000-0+600 Subbase Layer** | | | | | | | | | | |
| 1071/S/22 | 07/06/23 | 0+030 | CL | 150 | 1717 | 6.9 | 1752 | 8.2 | 98 | 84 |
| 1072/S/22 | 07/06/23 | 0+130 | RHS | 145 | 1734 | 7.5 | 1752 | 8.2 | 99 | 92 |
| 1073/S/22 | 07/06/23 | 0+230 | LHS | 150 | 1699 | 8.1 | 1752 | 8.2 | 97 | 99 |
| 1074/S/22 | 07/06/23 | 0+330 | CL | 150 | 1752 | 6.9 | 1752 | 8.2 | 100 | 84 |
| 1075/S/22 | 07/06/23 | 0+460 | RHS | 140 | 1717 | 7.3 | 1752 | 8.2 | 98 | 89 |
| 1076/S/22 | 07/06/23 | 0+530 | LHS | 150 | 1734 | 7.4 | 1752 | 8.2 | 99 | 90 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory. CSE Soils Laboratory**

**…………………. ………………**