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**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT FOR ROADS**

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Materials Testing & Research Directorate

Along Machakos Road, Industrial Area

P.O. Box 11873 – 00400,

NAIROBI

Ref. No: **M.1716/35/L10 15th April 2024**

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| --- | --- | --- | --- |
| **Laboratory Test Report** | | | |
| **Client’s Name:** | **REGIONAL DIRECTOR (KENYA RURAL ROADS AUTHORITY)** | | | |
| **Client’s E-mail:** | **kajiado@kerra.go.ke** | | | |
| **Client’s Address:** | **P.O BOX 64-0110 KAJIADO** | **Client’s Mobile No:** | **0722730803** | |
| **Sample Description:** | **GRAVEL** | **Job Card No:** | **2020/S/2024** | |
| **Sampled by:** | **CLIENT** | **Date fee paid:** | **20/03/2024** | |
| **Date Sample received:** | **20/03/2024** | **GOK MR No.** | **6143351** | |
| **Date Analysis started:** | **25/03/2024** | **Amount Paid:** | **4,200Ksh** | |
| **Additional information provided by the customer:** | **KITENGELA-NKURUNGA ROAD. CONTRACT NO.KeRRA/11/KJD/39/22%RMFL/2-42-23/24- 018** | | | |

***Note:*** *The results are specific to the sample(s) tested.*

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SOIL TEST RESULTS** | | | | | | | | | | | | | | | | | |
| **Sample No.** | **Reference** | **Grading** | | | | | | **Atterberg Limits** | | | | | **Soil Classification** | **Compaction T180** | | **CBR** | |
| **% Passing BS Sieve Size, (mm)** | | | | | | **LL** | **PL** | **PI** | **LS** | **PM** | **MDD** | **OMC** | **4days Soak**  **(%)** | **Swell** |
| **20** | **10** | **5** | **2** | **0.425** | **0.075** | **%** | **%** | **%** | **%** |  | **Kg/m3** | **( % )** | **(%)** |
| 1286/S/23 | Gravel | 100 | 92 | 74 | 53 | 33 | 26 | 41 | 25 | 16 | 8 | 528 | Gravelly CLAY of intermediate Plasticity (CIG | 1958 | 9.5 | 1030 | 0.3 |

**Eng. J.M. Mbarua**

**Ag. CHIEF ENGINEER (MATERIALS)**

**Soils Laboratory CSE Soils laboratory**

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