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**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT FOR ROADS**

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Materials Testing & Research Division

Along Machakos Road, Industrial Area

P.O. Box 11873 – 00400,

NAIROBI

Ref. No: **M.1069/35/L10 19th December 2023**

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| **Laboratory Test Report** |

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| --- | --- | --- | --- |
| **Client’s Name:** | **FIREFOX KENYA LIMITED** | | |
| **Client’s E-mail:** | **hmazrui@firefoxkenya.co.ke** | | |
| **Client’s Address:** | **NOT PROVIDED** | **Client’s Mobile No:** | **0727444170** |
| **Sample Description:** | **Gravel** | **Job Card No:** | **1360/S/2023** |
| **Sampled by:** | **CLIENT** | **Date fee paid:** | **14/12/2023** |
| **Date Sample received:** | **13/12/2023** | **GOK MR No.** | **4388743** |
| **Date Analysis started:** | **15/12/2023** | **Amount Paid:** | **4200Ksh** |
| **Additional information provided by the customer:** | **IMPROVEMENT OF FIRE FIGHTING SYSTEM AT PS09 EMBAKASI.**  **SOURCE: NJIRU.** | | |

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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** | **( % )** | **(%)** |
| 884/S/23 | Gravel | 100 | 84 | 64 | 47 | 33 | 22 | 39 | 27 | 12 | 4 | 396 | Very clayey GRAVEL of intermediate plasticity (GCI) | 1720 | 12.9 | 35 | 0.3 |

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

**Eng. J.M. Mbarua**

**FOR: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils laboratory**

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