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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.1015/35/L10 13th December 2023**

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| **Laboratory Test Report** |

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| --- | --- | --- | --- |
| **Client’s Name:** | **MR KENNEDY ONDIEKI** | | |
| **Client’s E-mail:** | **NOT PROVIDED** | | |
| **Client’s Address:** | **NOT PROVIDED** | **Client’s Mobile No:** | **0729837619** |
| **Sample Description:** | **Base Material** | **Job Card No:** | **1248/S/2023** |
| **Sampled by:** | **CLIENT** | **Date fee paid:** | **23/10/2023** |
| **Date Sample received:** | **23/10/2023** | **GOK MR No.** | **4388563** |
| **Date Analysis started:** | **20/11/2023** | **Amount Paid:** | **4200Ksh** |
| **Additional information provided by the customer:** | **PROPOSED RESIDENTIAL DEVELOPMENT IN NGONG.** | | |

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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** | **( % )** | **(%)** |
| 761/S/23 | Base Material | 100 | 98 | 94 | 88 | 76 | 65 | 46 | 34 | 12 | 6 | 912 | CLAY of intermediate plasticity (CI) | 1410 | 14.5 | 5 | 0.35 |

***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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