

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.047/35/L/10 Date: 13th July, 2023

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| **Laboratory Test Report** |

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| **1. Customer’s Details:** BUDDY SYSTEMS LIMITED.  **E-mail: support@Buddysystems.co.ke**  **Address:** P. O. BOX 104477 NAIROBI **Phone:** 0704997869  **2. Customer Contact:**0704997869 6. **Job Card No.** 050/S/2023  **3. Sample Description:** Gravel 7. **Date fee paid:** 07/07/2023  **4. Sampled by:** Client. 8. **GOK MR No**. 4053831  **5. Date Sample received:** 07/07/2023 9. **Date Analysis started**: 07/07/2023  **10. Additional information provided by the customer: Routine maintenance & improvement of Isinya-Konza (Jn A8/B50) Road**  **Source: Km 14+300 RHS**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | TEST RESULTS | | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Dosage**% | **Grading** | | | | | | **Atterberg Limits** | | | | | **Compaction T180** | | **CBR** | | | % Passing BS Sieve Size (mm) | | | | | | LL | PL | PI | LS | PM |  | OMC (%) | 4days Soak  (%) | Swell (%) | | 20 | 10 | 5 | 2 | 0.425 | 0.075 | % | % | % | % |  | MDD  Kg/m3 | | 011/S/23 | Gravel | Neat | 100 | 65 | 42 | 33 | 22 | 18 | 48 | 37 | 11 | 6 | 242 | 1844 | 12.4 | 40 | 0.3 | | **SOIL COMPOSITION: Gravel = 25%, Sand = 36%, Silt/clay =39%** | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**