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# **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.603/35/L/10 Date:2nd October, 2023

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**1. Customer’s Details:** REGIONAL MANAGER KURA.

**E-mail:** estherwa63@gmail.com

**Address:** P.O. Box 17956-00500 NRB **Phone:** 0721515815

**2. Customer Contact:** 0721515815 6. **Job Card No.** 679/S/2023

**3. Sample Description:** Gravel 7. **Date fee paid:** 13/09/2023

**4. Sampled by:** Client. 8. **GOK MR No**. 4058881

**5. Date Sample received:** 13/09/2023 9. **Date Analysis started**: 15/09/2023

**10. Additional information provided by the customer:** Access to Kamulu Police station.

**Source:** CM 1 Quarry Kamulu.

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|  | 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 |
| 331/S/23 | Gravel | Neat | 100 | 78 | 47 | 30 | 14 | 11 | 34 | 22 | 12 | 6 | 168 | 1650 | 13.5 | 35 | 0.2 |
| **SOIL COMPOSITION: Gravel = 70%, Sand = 19%, Silt/clay =11%** | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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