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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.722/35/L/10 Date:11th October, 2023

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**1. Customer’s Details:** JASMA CONSTRUCTION COMPANY LTD.

**E-mail:** Not provided

**Address:** P.O. Box 4631/G.P.O NRB **Phone:** 0722629700

**2. Customer Contact:** 07222629700 6. **Job Card No.** 892/S/2023

**3. Sample Description:** Gravel 7. **Date fee paid:** 05/10/2023

**4. Sampled by:** Client. 8. **GOK MR No**. 4367780

**5. Date Sample received:** 04/10/2023 9. **Date Analysis started**: 06/10/2023

**10. Additional information provided by the customer:** Rehabilitation ofNew Ngara Estate

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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 |
| 433/S/23 | Gravel | Neat | 100 | 92 | 70 | 49 | 33 | 22 | 38 | 24 | 14 | 7 | 462 | 1700 | 16.5 | 30 | 0.3 |
| **SOIL COMPOSITION: Gravel = 51%, Sand = 27%, Silt/clay =22%** | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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