

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

Telegraphic Address: “MINWORKS”, Nairobi Materials Testing & Research Division Telephone: Nairobi 0202554950 Machakos Road, Industrial Area Fax: 554877 P.O. Box 11873 – 00400 E-mail: [chiefengineer@mtrd.go.ke](mailto:chiefengineer@mtrd.go.ke) **NAIROBI**

Ref No. M.743/35/L/10 Date: 13th October, 2023

|  |
| --- |
| **Laboratory Test Report** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1. Customer’s Details:** AUJAN INDUSTRIES LIMITED  **E-mail:** Not provided  **Address:** P.O BOX 176-00610 NRB Phone: 0705052425  **2. Customer Contact:** 0705052425 6. Job Card No. 905/S/2023  **3. Sample Description:** Gravel Material 7. Date fee paid: 06/10/2023  **4. Sampled by:** Client. 8. GOK MR No.4367790  **5. Date Sample received:** 06/10/2023 9. Date Analysis started:08/10/2023  **10. Additional information provided by the customer: Construction of passenger platform lane in Nairobi commuter network.**  **Source: Ruiru**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | TEST RESULTS | | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Dosage** % | **Grading** | | | | | | **Atterberg Limits** | | | | | **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 | ( % ) | (%) | | 451/S/23 | Gravel | Neat | 100 | 87 | 76 | 66 | 45 | 35 | 38 | 23 | 15 | 8 | 675 | 1570 | 13.5 | 30 | 0.3 | | **SOIL COMPOSITION: Gravel = 34%, Sand = 31%, Silt/clay =35%** | | | | | | | | | | | | | | | |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory. CSE Soils Laboratory.**

**………………………. ………………………..**