

**REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

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Ref No. M.1857/35/L/10 Date: 28th March, 2023

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| **Laboratory Test Report** |

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| 1. **Customer’s Details:** EBENEZER COMMERCIAL WORKS LTD.   **E-mail:** anderson.wafula@ebenezercwltd.com  **Address:** P.O. Box 18539-00100 NRB Phone: 0742354326  **2. Customer Contact:** 0742354326 6. Job Card No.1887/S/2023  **3. Sample Description:** Black cotton soil 7. Date fee paid: 01/03/2023  **4. Sampled by:** CLIENT. 8. GOK MR No. 4127681  **5. Date Sample received:** 28/02/2023 9. Date Analysis started: 28/02/2023  **10. Additional information provided by the customer:** Management, Operation and Maintenance of Athi-River; Juja and Isinya weighbridge stations and adjacent 2853 Km Road Networks.  **Contract No.** KeNHA/3560/2021  **Source:** Katani   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **TEST RESULTS** | | | | | | | | | | | | | | | | | **Sample No.** | **Reference** | **Grading** | | | | | | **Atterberg Limits** | | | | | **Compaction T99** | | **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** | **( % )** | **(%)** | | 752/S/22 | Black cotton soil | 100 | 100 | 100 | 98 | 92 | 88 | 61 | 35 | 26 | 13 | 2392 | 1238 | 27.0 | 5 | 3 | | **SOIL COMPOSITION: Gravel =2%, Sand =10%, Silt/clay =88%** | | | | | | | | | | | | | | | |

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**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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