# 

# **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 NAIROBI

Ref No. M.1814/35/L/10 Date: 2nd February, 2023

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

1. **Customer’s Address**: KeNHA CORRIDOR C

**E-mail**: corridorc1@gmail.com

1. **Address**: P.O BOX 49712-00100 NRB **Phone**: 0712381763
2. **Customer Contact**: 0712381763 6. **Job Card** **No**.1584/S/2023
3. **Sample Description**: GCS 0/40 7. **Date fee paid**: 26/02/2023
4. **Sample by**: Client. 8**. GOK MR No**. 4115916
5. **Date of Sample received**: 25/02/2023 9**. Date Analysis started**:25/02/2023

10. **Additional information provided by the customer**: Ruiru-Thika Road

|  |
| --- |
|  |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **S/NO** | **Description** | **Dosage** | **MDD by VH Method** | **OMC** | **PI on Fines** | **Particle Size Distribution,**  **% Passing BS Sieves size (mm)** | | | | | | | | | |  | | **50** | **37.5** | **28** | **20** | **10** | **6.3** | **2** | **1** | **0.425** | **0.075** |  | | **(%)** | **Kg/m3** | **(%)** | **(%)** |  | | 672/S/23 | GCS 0/40 | **Neat** |  |  |  | 100 | 95 | 89 | 81 | 63 | 47 | 30 | 19 | 16 | 7 |  | | **IMPROVED WITH BAMBURI CEMENT 42.5N CEMI 7 DAYS CURE & 7 DAYS SOAK** | | | | | | | | | | | | | |  | | CEMENT | **LOAD** | **UCS** |  |  |  |  |  |  |  |  |  |  |  |  | | **KNs** | **KN/M2** |  | | 1.5 | 140.6 | 7747 |  |  |  |  |  |  |  |  |  |  |  |  | | 137.3 | 7565 |  |  |  |  |  |  |  |  |  |  |  |  | | 135.7 | 7477 |  |  |  |  |  |  |  |  |  |  |  |  | | AVERAGE | 7596 |  |  |  |  |  |  |  |  |  |  |  |  | |

**Eng. J.M . Mbarua**

**For. CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory. CSE Soils Laboratory**

**…………………. ………………**