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Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada

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| **BLOCK :**  | **G** |
| **FLOOR :**  | **GROUND FLOOR** |
| **ROOM NO:**  | **002/GEOTECHINCAL ENGINEERING LAB** |
| **ROOM SIZE (in Sq. mtrs):** | **112.93** |
| **LAB NAME:** | **TRANSPORTATION ENGINEERING LAB** |
| **FANS :**  | **3** |
| **TUBE LIGHTS :**  | **3** |
| **CHAIRS :**  | **2** |
| **STAFF TABLES :**  | **1** |
| **EXPERIMENT TABLES :**  | **2** |
| **CLOSED IRON RACKS :**  | **0** |
| **WOODEN CLOSED RACKS :** | **1** |
| **Others:** | **BENCHES-8, STOOLS-3** |
| **LAB SPECIFICATIONS** |

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| **S.NO** | **NAME OF THE EXPERIMENT** | **EQUIPMENT** | **QUANTITY** | **WORKING STATUS** |
| 1 | AGGREGATE CRUSHING VALUE | APPARATUS FOR AGGREGATE CRUSHING TEST. | 1 | WORKING |
| 2 |  AGGREGATE IMPACT TEST | AGGREGATE IMPACT TESTING MACHINE | 1 | WORKING |
| 3 | SPECIFIC GRAVITY AND WATER ABSORPTION. | PYCNOMETERS. | 3 | WORKING |
| 4 | ATTRITION TEST | LOS ANGLES ABRASION TEST MACHINE | 1 | NOT WORKING |
| 5 |  ABRASION TEST. | DEVAL’S ATTRITION TEST MACHINE | 1 | WORKING |
| 6 | SHAPE TESTS | LENGTH AND ELONGATION GAUGES | 2 | WORKING |
| 7 | PENETRATION TEST. | BITUMEN PENETRATION TEST SETUP. | 2 | WORKING |
| 8 |  DUCTILITY TEST. | BITUMEN DUCTILITY TEST SETUP. | 1 | NOT WORKING |
| 9 | SOFTENING POINT TEST | RING AND BALL APPARATUS | 1 | WORKING |
| 10 | FLASH AND FIRE POINT TESTS. | PENSHY MATENZ APPARATUS | 0 | WORKING |
| 11 |  STRIPPING TEST | 1.THERMOSTATICALLY CONTROLLED WATER BATH. | 1 | WORKING |
| 2. OVEN TO HEAT AGGREGATE. | 1 | WORKING |
| 3. SIEVES OF SIZES 20 MM AND 12.5 MM. | 1 | WORKING |
| 4. BEAKER OF 500 ML CAPACITY. | 0 | WORKING |
| 5. MIXER TO MIX AGGREGATE AND BITUMEN. | 0 | NILL |
| 12 | VISCOSITY TEST. | VISCOMETER. | 0 | WORKING |
| 13 | MARSHALL STABILITY TEST. | MARSHAL MIX DESIGN APPARATUS. | 1 | NOT WORKING |
| 14 | SPOT SPEED STUDIES | ENOSCOPE FOR SPOT SPEED MEASUREMENT. | 0 | NILL |
|  | STOP WATCHES | 3 | WORKING |