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

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| **BLOCK :** | | | **F** | |
| **FLOOR :** | | | **GROUND** | |
| **ROOM NO:** | | | **002** | |
| **ROOM SIZE (in Sq. mtrs):** | | | **60** | |
| **LAB NAME:** | | | **POWER SYSTEMS LAB** | |
| **FANS :** | | | **4** | |
| **TUBE LIGHTS :** | | | **4** | |
| **CHAIRS :** | | | **2** | |
| **STAFF TABLES :** | | | **1** | |
| **EXPERIMENT TABLES :** | | | **7** | |
| **CLOSED IRON RACKS :** | | | **0** | |
| **WOODEN CLOSED RACKS :** | | | **1** | |
| **Others:** | | |  | |
| **LAB SPECIFICATIONS** | | | | |
| **SI.No.** | **NAME OF THE EXPERIMENT** | **APPARATUS REQUIRED** | | **No. AVAILABLE** |
| **1** | Sequence impedances of 3 phase Transformer. | PANEL + MACHINE | | 1 |
| 3-phase variac(5KVA) | | 1 |
| 2 | Sequence impedances of 3 phase Alternator by Fault Analysis. | PANEL + MACHINE | | 1 |
| Rheostats(370 Ω/1.7A) | | 2 |
| 3 | Sequence impedances of 3 phase Alternator by Direct method | PANEL + MACHINE | | 1 |
| Rheostats (370 Ω/1.7A) | | 1 |
| Rheostats (500 Ω/1A) | | 1 |
| 4 | ABCD parameters of Transmission network | PANEL | | 1 |
| 5 | Power Angle Characteristics of 3phase Alternator with infinite bus bars. | PANEL | | 1 |
| 6 | Dielectric strength of Transformer oil. | KIT | | 1 |
| 7 | Calibration of Tong Tester. | PANEL | | 1 |
| Rheostats (500 Ω/1A) | | 1 |

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| **S.NO** | **NAME OF THE EQUIPMENT** | **RATING** | **QTY** |
| 1 | Sequence impedances of 3 phase Transformer. |  | 1 |
| 2 | Sequence impedances of 3 phase Alternator by Fault Analysis. |  | 1 |
| 3 | Sequence impedances of 3 phase Alternator by Direct method. |  | 1 |
| 4 | ABCD parameters of Transmission network. |  | 1 |
| 5 | Power Angle Characteristics of 3phase Alternator with infinite busbars. |  | 1 |
| 6 | Dielectric strength of Transformer oil. |  | 1 |
| 7 | Calibration of Tong Tester. |  | 1 |
|  |  |  |  |
| 8 | 3-phase variac | 5KVA | 1 |
| 9 | Rheostats | 370 Ω/1.7A | 3 |
| 10 | Rheostats | 500 Ω/1A | 2 |