



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### POWER SYSTEM PROTECTION LABORATORY

| S No   | Item  | Make                       | Quantity | Cost per unit (Rs.) | Total cost (Rs.) |
|--|---|----------------------------|----------|---------------------|------------------|
| 1  | String Efficiency<br>i) 11 kV disc insulator string (5 discs)<br>ii) Efficiency jig<br>iii) 100 KV capacitance divider with meter             | Protection systems (India) | 01       | 1,057,00            | 1,057,00         |
| 2  | Transmission line simulation unit<br>1 phase, 230 V AC, 50 Hz, embedded impedance relay   | High Voltage (India)       | 01       | 3,69,000            | 3,69,000         |
| 3  | Radial feeder protection simulation unit<br>3 phase transformer, resistive load, over current relay   | High Voltage (India)       | 01       | 3,88,100            | 3,88,100         |
| 4  | Sequence component of synchronous machine<br>Motor rating: 3 HP induction motor; Make: Kirloskar<br>Alternator rating: 3 KVA; Make: Kirloskar | High Voltage (India)       | 01       | 2,29,500            | 2,29,500         |
| 5  | Earth megger  | High Voltage (India)       | 01       | 7,200               | 7,200            |
| <b>Total cost</b>  |   |                            |          |                     | <b>10,99,500</b> |
| In words - rupees ten lakhs ninety nine thousand and five hundred only |   |                            |          |                     |                  |

Date: 07 April, 2022

**PRINCIPAL**