

TERMS OF REFERENCE

FOR ELECTRICAL LABORATORY EQUIPMENT PROCUREMENT

1. Background to the Program / Project

On behalf of the German Government, the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH is assisting the Government of Afghanistan to implement the programme “Decentralised energy supply with renewable energy sources” (ESRA).

The programme, which aims at improving sustainable decentralized electricity supply focusing on renewable energy technologies includes a component on the establishment of national electro-technical standards for energy efficiency and consumer safety.

The establishment of a national testing laboratory for electro-technical laboratory is key objective. Currently, Afghanistan has adopted 91 IEC standards as national standard.

2. Terms of Reference:

Refer to **Annex A** for detail technical specification on testing equipment.

3. Deliverables:

- a. Testing equipment delivery with calibration certificate.
- b. Transportation, Insurance, Storage, and Installation.
- c. Testing and commissioning and providing technical professional training to 3 technicians of ANSA at final point of destination shall be the responsibility of the supplier, and such cost shall be included in the Bid Price.
- d. Supplier is fully responsible to provide all necessary software required for installation of laboratory.
- e. Supplier is fully responsible to provide all necessary accessories (sampling devices, spare parts) for the laboratory to meet at least one year requirement.
- f. Supplier shall provide one year guarantee of the equipment.

Note:

Any other provisions shall be subject to negotiation between both parties and final approval by GIZ.