

**RFQ 19/RFQ/LBY/TR/034**  
**FOR SUPPLY, DELIVERY AND INSTALLATION OF BACKUP POWER SUPPLY**  
**SOLUTION FOR UNHCR LIBYA**

**Annex A: Terms of Reference**

**SUPPLYING AND INSTALLING OF BACKUP POWER SUPPLY SOLUTION FOR UNHCR  
LOCATIONS IN TRIPOLI, LIBYA**

Due to the recent power cuts across Tripoli city and the insufficient power supply provided through the city-grid, UNHCR is looking for an alternative backup power supply system to be supplied and installed additional to the current setup in place (e.g generator) to maintain the services provided through its core network components and servers and to allow continuous support to the people of concerns.

Therefore, UNHCR Libya requesting for four units to be installed in two different locations as follows:

1. One unit for the Server's Room at UNHCR office in Serraj
2. One unit for the Remote PCs at UNHCR office in Serraj
3. One unit for the Interview PCs at UNHCR office in Serraj
4. One unit for the UNHCR Server's Room at GDF.

UNHCR intends to enhance its backup power supply system for the core network components and servers in its UNHCR offices and area of operations in Tripoli, Libya. The existing system including power cables, communications cabinets, UPSs and mounting hardware are NOT to be touched. The additional cabling infrastructure to be installed in parallel to the current setup as specified in present document.

**1. PROJECT REQUIREMENTS:**

**1.1. Items:**

The backup power supply solution should be comprised of at least the following items:

- Inverter / chargers;
- UPS;
- Sealed gel lead acid batteries;
- Victron Digital Multi Controls;
- Security protection Single Phase AC/DC Voltage Monitoring modular Relays;
- Pre-terminated Battery cables;
- Installation including wall mounting brackets and testings.

**1.2. Scope and standard of services:**

- An estimate of the project timelines for the installation must be provided by the vendor.
- The vendor should carry out a turn-key project in maximum **two calendar weeks after receiving the PO**; no additional work must be required after the project completion is reported by the vendor.

- The new installed backup power system must be handed over to UNHCR in a 100% operational state under at least one (1) year warranty and for all installed components.
- In the Technical section, the vendor should include projected required personnel, and schedules for completing the activity as indicated above. Take into consideration that the vendor can work during official working days/hours only (Sunday to Thursday).
- The vendor should provide, install, putting in cable, terminating and testing the new power system. Upon project completion, several tests should be conducted in the presence of UNHCR ICT team in Tripoli for validation.
- The vendor must be experienced in supplying and installing similar system. Technicians actually doing the installation should be well trained and certified. Reference to previous similar projects is a must.
- Regular maintenance schedule (If necessary) during the warranty period specifying the scope of work of what to be conducted to be submitted.
- All technical documentation, data sheets, information on origin of product, illustrations, drawings, and schematics should be included in the deliverable component and should be in English.
- All the work should be implemented under the supervision of the UNHCR Engineers.
- The activity should cover the work that needs to be done to complete the installation of the four units in two different locations.