

Annex B - Scope of Works

RFQ/HCR/SYR/24/23

Provision and Installation of Interior Backup Lighting System in Three Buildings at Ibn Khaldoun Psychiatric Hospital in Aleppo

This scope of works outlines the tasks and responsibilities associated with the provision and installation of interior backup lighting systems in three buildings at Ibn Khaldoun Psychiatric Hospital in Aleppo.

1. Objective:

The objective of the required works is to establish battery-operated alternative lighting sources in the specified buildings. Each floor of these buildings comprises two wings, each containing a number of patient rooms. In each wing, a comprehensive set comprising a battery, DC charger, DC circuit breaker, relay, metal box, deep discharge protection circuit, and a specified number of LED strips and on/off switches should be installed.

2. Description of Works:

The following list outlines the items and devices required to ensure sufficient LED lighting across several rooms within Ibn Khaldoun Hospital.

LED lights and batteries will be installed in three key buildings: the Addiction Building, Sixth Wing, and Women's Building. The table below provides detailed guidance on the installation of these items and devices across the buildings.

#	Location	Items	Notes
1	Addiction Building, 4 wings	<p>The following items will be installed in 4 sets:</p> <ul style="list-style-type: none"> - Battery: 4 - DC Charger: 4 - 1/2 meter LED strip: 104 - 1/4 meter LED strip: 46 - DC Circuit Breaker: 4 - Relay 50 A: 4 - Metal box with lock: 4 - Deep discharge protection circuit: 4 - On/Off Switches: 30 - Copper wires: 600 meters 	<ul style="list-style-type: none"> - The items and devices should be installed and connected as separate sets. Each set will consist of a battery, DC charger, DC circuit breaker, relay, metal box, and deep discharge protection circuit. - The installation of On/Off switches, LED strips, and copper

2	The sixth wing	<p>The following items will be installed in 2 sets:</p> <ul style="list-style-type: none"> - Battery: 2 - DC Charger: 2 - 1/2 meter LED strip: 58 - 1/4 meter LED strip: 15 - DC Circuit Breaker: 2 - Relay 50 A: 2 - Metal box with lock: 2 - Deep discharge protection circuit: 2 - On/Off Switches: 20 - Copper wires: 400 meters 	<p>wires will follow the diagrams provided.</p> <ul style="list-style-type: none"> - Installation and connections are part of the required works. The contractor must provide any additional necessary materials, such as plastic panels for mounting circuit breakers and protection circuits, junctions, sockets, cable clips, etc.
3	Women Building	<p>The following items will be installed in 2 sets:</p> <ul style="list-style-type: none"> - Battery: 2 - DC Charger: 2 - 1/2 meter LED strip: 94 - DC Circuit Breaker: 2 - Relay 50 A: 2 - Metal box with lock: 2 - Deep discharge protection circuit: 2 - On/Off Switches: 30 - Copper wires: 500 meters 	<ul style="list-style-type: none"> - The contractor is responsible for ensuring proper wiring and connections for the LED lights and batteries.

3. Supervision and Oversight:

- All works will be conducted under the direct supervision and follow-up of the technical teams from Ibn Khaldoun Hospital and the UNHCR Aleppo Office.
- Any deviations from the scope of works must be approved by the hospital administration and the UNHCR team before implementation.

4. Completion:

- The installation works will be completed within the specified timeframe agreed upon in the contract.
- The estimated project completion period is /3/ Calendar weeks from the handover of the site as the service provider should provide a clear works plan within the requested implementation period.

5. Handover:

Upon successful installation and testing, the backup lighting systems will be handed over to the hospital administration for operational use.

6. Contractor Responsibilities:

- The contractor is responsible for the complete installation and connection of all devices outlined in the scope of works.
- The contractor is responsible for ensuring that all devices (including batteries, DC chargers, relays, circuit breakers, etc.) are fully compatible and perform optimally to meet the project requirements.
- Ensuring the long-term functionality and durability of the installed system is the contractor's responsibility.

- Any necessary adjustments or troubleshooting required to maintain optimal performance shall be promptly addressed by the contractor.
- The contractor shall provide warranties for the installed components and ensure compliance with manufacturer specifications for all equipment used in the project.
- The contractor shall include for all necessary equipment, tools, materials, and labour necessary to complete this installation, even where not precisely specified in this specification.

7. Site Visit:

Interested Bidders are **strongly recommended** to pay a site visit to the below mentioned address to verify the exact installation needs:

Ibn Khaldoun Psychiatric Hospital in Aleppo,

Engineering Office,

Mr. Abdul Salaam Mohammed Rabee abo Ras,

Mobile number: 0935 517 368/0939 194674.

END OF ANNEX B