**Objectives of this ToR:**

LUPD seeks to design, engineer and build a scalable suspended UPD (Inverter + lithium batteries) system on the available space of Beirut Access Kitchen, to generate power energy sufficient to run the kitchen facilities for a minimum of 8h daily with a sufficient power of 25 amps daily / 8 amps at night .

**Deliverables:**

* EPC (Engineering, Procurement, Construction) activities.
* Testing and Handover procedures.

**Scope:**

The awarded candidate’s scope of work will include:

* Take measurements and Generate CAD drawings
* Design proper UPS solution with simulation, designs, SLDs, datasheets and renders (if possible)
* Procure necessary material and labor
* Complete construction works as agreed upon with LUPD
* Test solution
* Perform training to assigned LUPD staff
* Final handover and project sign-off.

**Technical Specs:**

* Autonomy: 8h/day & 5 h/night ( 25 amp daily / 8 amp at night –off-grid system ).
* Batteries: Maintenance free or low maintenance batteries, can be Deep Cycle / Tubular, lithium based or others. Minimum lifetime of 5 years and/or 3000 cycles at 80% DoD. Battery casing should be weather sealed.
* Inverter: efficiency above 95% with internal SPD, high MPPT and high power factor. Should include LED reading screen and should be IP65 protected at least.

All material should be covered with warranty, respective datasheets and country of origin must be provided by awarded contractor for approval in due time.

All material should conform to local safety and power regulations.

**Warranty Specs:**

**5 to 10 years on batteries, inverter and batteries.**

**Execution Timeline:**

Task

Expected Execution Time : 2 weeks as below:

- Meetings with LUPD to inspect location and better understand the requirements: 1 day

-EPC Operations: 1 Week

-Complete testing, training and handover : 3 weeks from Kitchen running date.

**Payment milestones:**

50% First payment on signature of contract

50% on handover

How to apply

Bidding Instructions:

All bidders should bear the costs related to bidding to this ToR.

All bidders are required to present the following in their bid:

* Financial offer
* Technical offer + Datasheets for inverters , batteries , Cables and Accessories
* Company profile including team size, team credentials, past projects, brand
* MoF license no + VAT registration number
* Has at least successfully delivered 3 similar projects
* Reference letters

Please send any questions to : [**procurement@lupd-lb.com**](mailto:procurement@lupd-lb.com) by **April 19th 2024** maximum. Answers will then be consolidated and shared with all candidates or approach us on : +9613192979.  
  
**Site visit is obligatory** , please approach on our email [**procurement@lupd-lb.com**](mailto:procurement@lupd-lb.com)to book your visit **by no longer then April 19th 2024 COB.**

All bids to be sent to **email**[**procurement@lupd-lb.com**](mailto:procurement@lupd-lb.com)**by late April 22th 2024 - 4.00PM max.** LUPD will not consider any bids received after the deadline.

Bids should be sent via email only, with subject line “UPS system Beirut Kitchen ToR – Bidder Name” and should carry two attachments, one technical and one commercial in addition to the above requested supporting documents.