**Annex A: Technical Specification to UKRKI / ITB / 2024-003**

**for supply of Portable Power Stations**

**REVISION #1**

The United Nations High Commissioner for Refugees in Ukraine invites qualified suppliers of goods to submit their proposals for the supply of portable power stations, in accordance with the technical specification.

**Technical Specification for the Portable Power Station**

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|  | **Criteria** | **Minimum requirement** |
| 1 | Capacity: | minimum 2000 Wh |
| 2 | Battery Chemistry: | LiFePO4 (LFP) |
| 3 | AC Output Power: | 220V, 2300W total or more |
| 4 | Number of AC Outlets: | minimum 3 units |
| 5 | Type of AC Outlets: | CEE 7/3 ("Schuko"; Type F) |
| 6 | Number/Type of USB-A Output: | minimum 2 Fast Charge units (QC3.0 or equivalent) |
| 7 | Number of USB-C Output: | minimum 2 units |
| 8 | Charging cycles | minimum 3000 cycles |
| 9 | EPS (Emergency Power Supply) | Yes |
| 10 | Full charge time | Not more than 2.5 hours. |
| 11 | Car Charging Input: | Yes |
| 12 | Mobile App: | Optional |
| 13 | Official warranty in Ukraine: | Mandatory - Minimum 1 year |
| 14 | Availability of an authorized service center in Ukraine for warranty and post-warranty service: | Mandatory |
| 15 | Compliance with EU (European Union) and Ukrainian standards: | The proposed product must possess CE certificate or equivalent.  The proposed item must possess all the necessary licenses, authorizations, and certificates for utilization for the intended purpose in Ukraine. |
| 16 | Packaging: | As per industry standards. Durable packaging which ensures safe delivery of the products to the destination.  Palletized (EUR Pallet) and shrink-wrapped |
| 17 | User Manual and Technical Data Sheet: | User Manual and Technical Data Sheet in Ukrainian to be available and provided together with the product. |

Product discontinuation: Participating bidders are expected to quote for items within the product cycle and expected to remain in manufacture throughout the Frame-Agreement duration (1+1 years). In the event the retained FA proposed item is discontinued during the FA validity period, newer model of the same brand will be supplied under the same FA terms and conditions, including unit price, upon clearance from UNHCR and written confirmation on the discontinuation of the item.

Estimated Requirement Quantity: The estimated annual requirement of UNHCR is approximately 1,500 units per year.

Quality Control/Inspection: UNHCR may carry random quality inspections from samples selected during production, upon departure, loading, unloading, arrival to destination or from any storage location. The cost of the quality control inspections will be covered by UNHCR. In case repeated inspection is required due to supplier’s quality default, in addition to the good’s PO liquidated damage clauses, the inspection cost will be charged to the supplier.

Please also note that the items delivered to UNHCR by the selected supplier might also be inspected at the time of its delivery at UNHCR to confirm the correct receipt of items according to UNHCR’s specifications.

Replacement of rejected items: In case of rejection and non-acceptance of any item due to wrong specifications or bad quality, UNHCR will not be responsible for its return and transportation, or any cost involved. Furthermore, in such cases, the selected supplier shall replace the rejected items free of charge within a maximum of 30 calendar days.

Secondary Bidding: UNHCR may award multiple Frame Agreements as a result of this ITB and might conduct Secondary Bidding throughout the FA validity period. The Secondary bidding requests shared with the awarded Contractors will clearly state whether the selection criteria will consider lead time or will be solely based on cost. Rates submitted to the secondary bidding must remain equivalent to or below the proposed prices submitted in the Financial Proposal Form (Cap rates).