

SPECIFICATIONS
on procurement of a tented settlement and additional equipment for
establishing livelihoods and providing civil population with support

Project title: The United Nations Recovery and Peacebuilding Programme (UN RPP), Community Security and Social Cohesion component

Job description: procurement of a tented city and additional equipment

Country/worksites: Ukraine

1. Project Description

The United Nations Recovery and Peacebuilding Programme (UN RPP) is implemented by four United Nations agencies: the United Nations Development Programme (UNDP), the UN Entity for Gender Equality and the Empowerment of Women (UN Women), the United Nations Population Fund (UNFPA), and the Food and Agriculture Organization of the United Nations (FAO).

The Programme is supported by twelve international partners, namely the European Union (EU), the European Investment Bank (EIB), along with the governments of the UK, Denmark, Canada, the Netherlands, Germany, Norway, Poland, Sweden, Switzerland and Japan.

The UN Recovery and Peacebuilding Programme is focused on key priority needs in the fields of stabilization, peacebuilding, economic development and governance in the East of Ukraine. Due to escalation of the military conflict throughout the country, the Programme also supports rapid response measures in order to address the immediate needs of war-affected persons in their localities and host communities.

The Programme activities are grouped by the following key components that reflect priority tasks:

Component I: Economic Recovery and Restoration of Critical Infrastructure

Component II: Local Governance and Decentralisation Reform

Component III: Community Security and Social Cohesion

Due to rapid escalation of hostilities, the civil population is fleeing the conflict-affected settlements and moving to safer areas of Ukraine; besides, as a result civil infrastructure being destroyed and damaged, many people lost their homes. The current legislation provides that one of the main tasks of the units of the State Emergency Service of Ukraine (hereinafter SES) is to ensure the minimum social and living conditions for the affected population during emergency response.

SES sent UNDP a request for assistance in procuring equipment and facilities for establishing livelihoods and providing civil population with support for emergency. Those tented settlements to be deployed and administered by the SES.

2. Scope of Work

- The Supplier delivers the required goods in accordance with the technical specifications provided in Table 1.
- The goods (**DDP Zaporizhzhia, INCOTERMS 2020**) are to be delivered to the indented recipient's address (Main Department of SES in Zaporizka Oblast, Zaporizhzhia city). The date and particular address for each delivery must be preliminarily confirmed with both the UNDP and the final beneficiary.

3. Technical Specifications

Lot 1. Skeleton Modules (tents)

No.	Item name and specifications <i>Technical characteristics should not be larger/smaller/worse than specified in TOR</i>	Quantity
1	<p>NCR (Record Rescue)-type modular tent or an equivalent of easy assembly and rapid installation, with additional equipment</p> <p>1.1 The tent's total area: no less than 33.00 m²</p> <p>1.2 The tent's usable area: no less than 26.50 m² (height no less than 2.0 m)</p> <p>1.3 External width: no less than 5.75 m</p> <p>1.4 External length: no less than 6.00 m</p> <p>1.5 Number of overpacks: no more than 3</p> <p>2. Composition requirements:</p> <p>2.1 Three-dimensional frame — a carcass made of special aluminum profiles, or profiles made of material with equal or better qualities, with connectors made of either galvanized or stainless steel, of easy assembly and rapid installation, integrated with outer canvas</p> <p>2.2 Insulating liner with built-in floor</p> <p>2.3 Railing for hanging medical equipment</p> <p>2.4 At least 2 rows of fasteners for fixing special equipment.</p> <p>2.5 2 hoses, one regular and one for a heating duct</p> <p>2.6 4 doors, one on each side with stable connectors that allow for linking the tents together lengthwise or crosswise</p> <p>2.7 4 windows (two on each side lengthwise), equipped with mosquito nets, foil screens and outer flaps</p> <p>2.8 fix and repair kit</p> <p>2.9 The tents must be equipped with readily removable banners, fixed with either Velcro (or similar type) fasteners or with eyelets, one banner on each of the two side walls and 2 banners on the tent's roof. Each banner should have a SES of Ukraine visibility logo, along with inscriptions "ДЧС України" and "SES of Ukraine". The logo design must be preliminarily confirmed with the ordering customer.</p> <p>3. Hardware requirements:</p> <p>3.1 Ø315x3000 mm insulated straight air conditioning hose, with a carry bag, class B1 or higher fire retardant — no less than 4 sets. The design and length of the hose must provide: connection to the air conditioning and heating unit, air recirculation during heating and air conditioning, compatibility with hoses that distribute cooled air during conditioning.</p> <p>3.2 Ø315x5000 mm straight white air conditioning hose, with a carry bag, class B1 or higher fire retardant — 1 set.</p>	20

	<p>3.3 A thermostat compatible with air conditioning unit, described in p. 3.4, , complete with a 15m long power cable and a plastic box. Automatically switches between heating and cooling modes.</p> <p>3.4 Air conditioning unit: power line frequency of at least 50 Hz, with heating function (rated heating power of at least 8.0 kW), complete with 10m long power cable, 16A CEE plug and socket unit, and a G3 air filter.</p> <p>3.4 A transportation system (removable wheels) for air conditioning and heating unit.</p> <p>4. A lighting kit for one tent</p> <p>No less than 4 LED bulbs, each 55W and higher, ingress protection rating of IP 68 and higher, complete with a power cable no less than 5m long, a switch, and a fastener system to the roof of a tent.</p>	
2	Modular rubber facing made of rubber crumb (1000x1000x12 mm)	870

Lot 2. Lighting equipment

No.	Item name and specifications <i>Technical characteristics should not be larger/smaller/worse than specified in TOR</i>	Quantity
1	<p>A cordless ground-type LED lamp for outdoor lighting of the tents</p> <p>Height: adjustable, with maximum height no less than 2m</p> <p>Power type: powered from electrical network 220-230 V and battery</p> <p>Ingress protection class: no lower than IP34</p> <p>Battery voltage: no less than 18 V</p> <p>Brightness: adjustable, with no less than 6,000 lm in the brightest mode</p> <p>The lamp's rotation angle: no less than 180° vertically and no less than 240° horizontally</p> <p>The lamp is shockproof, with strong lenses</p> <p>Built-in battery: voltage no less than 18 W, battery capacity no less than 8 Ah</p> <p>Packaging: shockproof and waterproof packaging adequate for the equipment's weight and dimensions.</p>	12

Lot 3. Power Generators

Technical specifications reference

for autonomous power supply systems (power generators) complete with all-weather noise reduction casing, with the option of interconnected (synchronized) operation, a transfer switch, a power capacity of no less than 100 kW, complete with power cables, plug and socket units, distribution cabinets, and circuit breakers

I. Autonomous power supply systems (power generators) with all-weather noise reduction casing, with a transfer switch and rated power capacity of no less than 100 kW, complete with power cables, plug and socket units, distribution cabinets, circuit breakers and external lighting (hereinafter “**electrical equipment**”) are designed to provide uninterrupted autonomous power supply of the SES tent camp in any weather and climate conditions for extended time periods, both with the option to connect to fixed power networks, and without such an option.

The marking of every engine, alternator, and controller of a power generator, as well as every component enlisted in paragraph II **Electrical Equipment Package Contents** must indicate the following information:

1. Name of the manufacturer;
2. Make;
3. Model or modification;
4. Article (if applicable);
5. Technical characteristics on the official letterhead of either the manufacturer or their official dealer in Ukraine;
6. Country of origin;
7. Manufacturer country.

Schemes of stowing and securing power cables in the boxes must be agreed with UNDP upon signing of the contract. Every power cable stowing location must be marked. The cable power network, its plug and socket units, and distributors must be compatible with sources of electric current and single phase and three-phase end consumers, so there would be no need to use any additional devices.

The Ordering Customer reserves the right to perform a background check of technical specifications and package contents for electrical equipment specified in paragraph II **Electrical Equipment Package Contents** either comparing that information with that specified on the manufacturer's official website or contacting the respective manufacturers directly on the stage of tender evaluation.

The products must be new and manufactured no earlier than in 2021.

As part of the tender offer, a participant must provide:

- a detailed description of each procurement item following the specifications in the table below, indicating brand and models;

1 - schemes of placement and plugging in the electrical equipment;

2 - copies of certificates of compliance with ISO 14001 and ISO9001 standards, certified by either the manufacturer or their official dealer;

3 - documented evidence of warranty obligations from either manufacturer or importer/distributor of electrical equipment for the duration of at least 24 months;

4 - A copy of a valid certificate of compliance of the diesel-engine power plant with the standards specified in DSTU EN 60034-5: 2015; DSTU EN 61000-6-1: 2015; DSTU EN 61000-6-3: 2018; DSTU EN ISO 3744: 2016; DSTU ISO 8528-4: 2005; DSTU EN ISO 8528-13: 2016; ISO 3046-6: 2020;

5 - A copy of a valid Declaration of Conformity for the equipment;

- Technical regulations for low-voltage electrical equipment;

- Technical regulations on electromagnetic compatibility;

- Technical regulations for machine safety.

II. Electrical Equipment Package Contents

A power supply unit consists of 3 synchronized generators with a capacity of at least 100 kW, complete with cables and distribution network

No.	Item name and specifications <i>Technical characteristics should not be larger/smaller/worse than specified in TOR</i>	Quantity
1	1. Autonomous Power Supply Systems (power generators) Designed for round-the-clock operation 1.1 Rated power — no less than 100 kW; Rated current capacity — no less than 170 A; Power generators must be prepared for interconnected (synchronized) operation depending on the users' need for power supply	3

	<p>1.2 Number of power phases — 3;</p> <p>1.3 Startup type — electronic starter.;</p> <p>1.4 Cooling system — water cooling;</p> <p>1.5 Power factor — no less than 0.8;</p> <p>1.6 Output voltage — 400 V/230 V;</p> <p>1.7 Frequency — 50 Hz;</p> <p>1.8 Alternator type — brushless synchronous alternator;</p> <p>1.9 Ingress protection class — no lower than IP23;</p> <p>1.10 Insulation class — no lower than H;</p> <p>1.11 Charger generator for rechargeable batteries;</p> <p>1.12 Automated charging of rechargeable batteries;</p> <p>Rechargeable batteries capacity — no less than 100 Ah;</p> <p>1.13 Automated heating of the coolant;</p> <p>1.14 Industrial muffler;</p> <p>1.14 Three-pole circuit breaker;</p> <p>1.15 Automated control panel;</p> <p>1.16 All-weather noise reduction casing. The casing must ensure the operability of the generator at ambient temperatures up to –30°C inclusive;</p> <p>1.17 Automated reserve input system;</p> <p>1.18 Fuel tank;</p> <p>1.19 Availability of monitoring the power supply unit's parameters online</p> <p>Efficiency — no less than 90 %</p> <p>Voltage stabilization $\pm 1\%$</p> <p>Voltage regulation — electronic microcontroller</p> <p>Circuit breakers for protection of all networks</p> <p>Fuel consumption at 50% load — under 16 L/engine hour;</p> <p>Fuel type — diesel;</p> <p>Availability of electronic monitoring system and power generator protection, option to customize the programming to individual needs</p> <ul style="list-style-type: none"> - engine hour meter and event log - Interface in Ukrainian or Russian - Possibility of connecting additional modules in order to expand capacity - Online control and management via the Internet (embedded web server) through an IB-Lite module or its equivalent (Ethernet, GPRS, 3G or 4G) - Additional GSM / GPRS modem for wireless Internet access using IL-NT GPRS module - 3-phase measurement of generator power in kWh. - automatic and manual control modes - emergency shutdown should the levels of coolant in the radiator and oil in the crankcase drop to minimum. <p>PE grounding busbar</p> <p>Grounding circuit</p> <p>Mounting holes for loading by means of hook slings cranes and forklifts.</p> <p>Generator synchronization panel embedded into each generator (3 pcs.)</p> <p>Synchronization panel ingress protection class — no lower than IP65.</p> <p>Generator synchronization panels are connected by CAN buses</p>	
2	<p>H07RN-F 5G95 type heavy duty power cable (or its equivalent) on a reel</p> <p>Number of cable cores: 5</p> <p>Conductor cross-section, mm²: 95</p> <p>Core material: copper</p> <p>Sheath: PVC or other dielectric material with similar or better characteristics</p> <p>Insulation: PVC or other dielectric material with similar or better characteristics</p> <p>Length, no less than, m: 60</p> <p>Plug and socket units:</p> <p>5-pole plug, 250 A, IP67 or higher — 1 piece;</p> <p>5-pole socket, 250 A, IP67 or higher — 1 piece;</p>	3

3	High-voltage Flexible Pilot Cable, Flame-retardant, NYY-JZ 7 x 1.5mm² (or its equivalent) on a reel Number of cable cores: 7 Conductor cross-section, mm ² : 1.5 Core material: copper Sheath: PVC or other dielectric material with similar or better characteristics Insulation: PVC or other dielectric material with similar or better characteristics Length, no less than, m: 60 Plug and socket units: 7-pole plug, 6 A, IP67 or higher — 1 piece; 7-pole socket, 6 A, IP67 or higher — 1 piece;	3
4	High-voltage Flexible Power cable NYY-J 5 x 4 mm² (or its equivalent) on a reel Number of cable cores: 5 Conductor cross-section, mm ² : 4 Core material: copper Sheath: PVC or other dielectric material with similar or better characteristics Insulation: PVC or other dielectric material with similar or better characteristics Length, no less than, m: 60 Plug and socket units: 5-pole plug, 32 A, IP67 or higher — 1 piece; 5-pole socket, 32 A, IP67 or higher — 1 piece;	3
5	Distribution cabinet Portable electrical distribution case - 1 pc connectors: socket 7 pole, 6 A, IP67 — 3 pcs.; automatic switches 800A — 2 pcs 5-pole plug, 250 A, IP67 — 3 pcs.; automatic switches 250A — 3 pcs.; socket 5-pole, 32 A, IP67 — 3 pcs.; automatic switches, 32 A — 3 pcs.; automatic switch 800A — 1 pc.; connectors: socket 5 pole, 125 A, IP67 — 7 pcs.; socket 5 pole, 63 A, IP67 — 2 pcs.; socket 3-pole, 32 A, IP67 — 2 pcs.; socket 3-pole, 16 A, IP54 — 10 pcs.; automatic switches, 125 A — 7 pcs.; automatic switches, 63 A — 2 pcs.; automatic switches, 32 A — 2 pcs.; automatic switches, 16 A — 10 pcs.; additionally, a 5-pole plug, 63 A, IP67 — 2 pcs.	1
6	Stranded Copper Flexible Power 5x50 on a reel Number of cable cores: 5 Conductor cross-section, mm ² : 50 Core material: copper Sheath: PVC or other dielectric material with similar or better characteristics Insulation: PVC or other dielectric material with similar or better characteristics Length, no less than, m: 50 Plug and socket units: 5-pole plug, 125 A, IP67 or higher — 1 piece; 5-pole socket, 125 A, IP67 or higher — 1 piece;	6
7	Distributor Portable electrical distribution case - 1 pc Plug and socket units:	6

	<p>Input 5-pole plug, 125 A, IP67 or higher — 1 piece; Circuit breaker 125 A — 1 piece; Circuit breaker 63 A — 1 piece; Circuit breaker 32 A — 2 piece; Circuit breaker 16 A — 1 piece; 5-pole plug, 63 A, IP67 or higher — 1 piece; 5-pole plug, 32 A, IP67 or higher — 3 pieces; 3-pole plug, 32 A, IP67 or higher — 2 pieces; 3-pole plug, 16 A, IP67 or higher — 10 pieces; Additional 5-pole plug, 32 A, IP67 or higher — 3 pieces;</p> <p>or</p> <p>Portable power distribution case— 1 piece 645-6 Internal power plug 125A, 400V, 5P, IP67 or higher, 120x120— 1 piece 335-6 Internal power socket 63A, 400V, 5P, IP67 or higher, 100x100— 1 piece 3252-6 Internal power socket 32A, 400V, 5P, IP67 or higher, 75x75— 3 pieces 3232-6 Internal power socket 32A, 230V, 3P, IP67 or higher, 75x75— 1 piece 13960 Internal power socket with grounding 16A, 220-240V, 2P, IP67 or higher — 8 pieces Circuit breaker, 3P, 125A, C type, 25kA,— 1 piece Circuit breaker, 3P, 63A , C type — 1 piece Circuit breaker, 3P, 32A , C type — 1 piece Circuit breaker, 1P, 32A , C type — 1 piece Circuit breaker, 1P, 16A, C type — 8 pieces 5-module portable industrial socket plug box, IP67 or higher, PCE — 1 piece 8-module portable industrial socket plug box, IP67 or higher, PCE — 2 pieces</p>	
8	Portable socket, 125A, 400V, 5P, IP67 or higher; input socket for a socket plug box (distributors) described in art.7	6
9	Portable power plug, 63A, 400V, 5P, IP67 or higher, for plugging 63A 3P circuit breakers into socket plug box (distributors) described in art.7	6
10	Portable power plug, 32A, 400V, 5P, IP67 or higher, for plugging 32A 3P circuit breakers into socket plug box (distributors) described in art.7	18
11	Portable power plug, 32A, 230V, 3P, IP67 or higher, for plugging 32A 1P circuit breakers into socket plug box (distributors) described in art.7	6
12	<p>63A 3P Power Cable on a Reel Cable length: 25 m Without silicone: yes Number of cores: 5 Conductor material: bare copper Mechanical impact resistance: no worse than AG3 Minimum O.D: 22.9 mm Rated voltage $U_0 / U (U_m)$: 450 / 750 V Conductor cross-section: 10 mm² Cable flexibility: Flexible Conductor flexibility: Flexible class 5 Permissible rated current en plein air: 75A Maximum O.D: 29.1 mm Water resistance, class: Good Voltage drop, single-phase: 3.43V/A.km Chemical resistance: Accidental Insulation: special crosslinked elastomer Refractory class: C2, NF C 32-070 & IEC 60332-1 Lead free: yes Minimal dynamic bend radius: 174.6mm Minimal static operational bend radius: 87.3mm Short circuit, maximum conductor temperature: 250°C Oil resistance: yes</p>	6

	<p>RoHS compliance: yes</p> <p>Meets the standards: EN 50525-2-21; IEC 60245-4 type 66</p> <p>Additional specifications: cable on a reel, with connected plugs and sockets compatible with the plugs of the Air Conditioning Unit described in par. 3.4 of Lot 1.</p>	
13	<p>32A 3P Power Cable on a Reel</p> <p>Cable length: 25 m</p> <p>Without silicone: yes</p> <p>Number of cores: 5</p> <p>Conductor material: bare copper</p> <p>Mechanical impact resistance: no worse than AG3</p> <p>Minimum O.D: 19.9 mm</p> <p>Rated voltage $U_0 / U (U_m)$: 450 / 750 V</p> <p>Conductor cross-section: 5x4 mm²</p> <p>Water resistance, class: Good</p> <p>Chemical resistance: Accidental</p> <p>Insulation: special crosslinked elastomer</p> <p>Fame retardancy: in accordance with the DIN VDE 0472 standard, chapter 804</p> <p>Lead free: yes</p> <p>Minimal bend radius: 140.0 mm</p> <p>Oil resistance: yes</p> <p>RoHS compliance: yes</p> <p>Meets the standards: EN 50525-2-21; HD 22.4; HD 516; IEC 60245-4 type 66</p> <p>Additional specifications: cable on a reel, with connected plugs and sockets compatible with the plugs of the Air Conditioning Unit described in par. 3.4 of Lot 1.</p>	18
14	<p>32A 1P Power Cable</p> <p>Cable length: 25 m</p> <p>Without silicone: yes</p> <p>Number of cores: 3</p> <p>Conductor material: bare copper</p> <p>O.D: 16.2 mm</p> <p>Rated voltage $U_0 / U (U_m)$: 450 / 750 V</p> <p>Conductor cross-section: 3x 4 mm²</p> <p>Water resistance, class: Good</p> <p>Chemical resistance: Accidental</p> <p>Insulation: special crosslinked elastomer</p> <p>Fame retardancy: in accordance with the DIN VDE 0472 standard, chapter 804</p> <p>Lead free: yes</p> <p>Minimal bend radius: 100.0 mm</p> <p>Oil resistance: yes</p> <p>RoHS compliance: yes</p> <p>Meets the standards: EN 50525-2-21; HD 22.4; HD 516; IEC 60245-4 type 66</p> <p>Additional specifications: cable on a reel, with connected plugs and sockets compatible with plugs of extension cords described in paragraphs 16, 17, and 18.</p>	6
15	<p>Power Distributor for 2 Modules with 3-phase Consumers</p> <p>Portable industrial plug box — 1 piece</p> <p>645-6 Internal power plug, 63A, 400V, 5P, IP67, 100x100 — 1 piece</p> <p>335-6 Internal power socket, 63A, 400V, 5P, IP67, 100x100 — 1 piece</p> <p>325-6 Internal power socket 32A, 400V, 5P, IP44, 70x70 — 1 piece</p> <p>315-6 Internal power socket 16A, 400V, 5P, IP44, 70x70 — 6 pieces</p> <p>Circuit breaker, 3P, 63A, C type — 1 piece</p> <p>Circuit breaker, 3P, 32A, C type — 1 piece</p> <p>Circuit breaker, 3P, 16A, C type — 1 piece</p> <p>Circuit breaker 1P, 16A, C type — 1 piece</p> <p>13-module portable industrial socket plug box, IP67 — 1 piece</p> <p>6-module portable industrial socket plug box, IP67 — 1 piece</p>	

16	<p>Extension Cord on a Reel Cable length: 50 m Without silicone: yes Number of cores: 3 Conductor material: bare copper O.D: 14 mm Rated voltage $U_0 / U (U_m)$: 450 / 750 V Conductor cross-section :3x 2,5 mm² Water resistance, class: Good Chemical resistance: Accidental Additional specifications: extension cord on plastic reel, with overload protection and earthing, 4 Schuko power sockets and one 3-phase socket for connecting the air conditioning and heating system specified in par. 3.4 of lot 1, IP54, black</p>	24
17	<p>Extension Cord on a Reel Cable length: 25 m Without silicone: yes Number of cores: 3 Conductor material: bare copper O.D: 14 mm Rated voltage $U_0 / U (U_m)$: 450 / 750 V Conductor cross-section :3x 2,5 mm² Water resistance, class: Good Chemical resistance: Accidental Additional specifications: extension cord on plastic reel, with overload protection and earthing, 4 power sockets, IP54, black</p>	24
18	<p>Extension Cord on a Reel Cable length: 10 m Without silicone: yes Number of cores: 3 Conductor material: bare copper O.D: 14 mm Rated voltage $U_0 / U (U_m)$: 450 / 750 V Conductor cross-section :3x 2,5 mm² Water resistance, class: Good Chemical resistance: Accidental Additional specifications: extension cord on plastic reel, with overload protection and earthing, 4 power sockets, IP54, black</p>	12
19	<p>Specialized tools and devices for in-the-field power grids maintenance and repair (a kit) Electrician's tool box, mixed package, no less than 115 items INCLUDED IN THE KIT: 18 piece starter pack (must contain a VDE 1 -5 Nm torque screwdriver; an installation tool; bit holder; bit set: SL3 x 90 mm; SL4 x 90 mm; SL5,5 x 90 mm; SL6, 5 x 90 mm; PZ1 x 90 mm; PZ2 x 90 mm; SL / PZ1 x 90 mm; SL / PZ2 x 90 mm; T10 x 90 mm; T15 x 90 mm; T20 x 90 mm; T25 x 90 mm) — 1 set. Dielectric screwdriver with a set of 6 bits (1x bit, slot: 3.0 mm, length: 75 mm; 1x bit, slot: 4.0 mm, length: 75 mm; 1x bit, slot: 5.5 mm, length: 75 mm; 1x bit, PH1, length: 75 mm; 1x bit, PH2, length: 75 mm; 1x bit, SL / PZ2, length: 75 mm) — 1 set. Bit holder, 6.0 mm — 1 piece. Bit PZ2 — 1 piece. Slotted screwdriver, SL, (slot) 3,5x100 mm — 1 piece. Slotted screwdriver, SL (slot) 5,5x125 mm — 1 piece. Slotted screwdriver SL (slot) 6,5x150 mm — 1 piece. Screwdriver, PH 1 — 1 piece. Screwdriver, PH 2 — 1 piece. Screwdriver, PZ 1 — 1 piece.</p>	1

	<p> Screwdriver, PZ 2 — 1 piece. Screwdriver for "plus" and "minus" clamping screws, SL/PZ 1 — 1 piece. Screwdriver for "plus" and "minus" clamping screws, SL/PZ 2 — 1 piece. Tamper-resistant screwdriver T10H — 1 piece. Tamper-resistant screwdriver T15H — 1 piece. Tamper-resistant screwdriver T20H — 1 piece. Tamper-resistant screwdriver T25H — 1 piece. 5,5x125 mm Hexagon Nut Hex Socket Wrench Screwdriver — 1 piece. 7x125 mm Hexagon Nut Hex Socket Wrench Screwdriver — 1 piece. 8x125 mm Hexagon Nut Hex Socket Wrench Screwdriver — 1 piece. 10x125 mm Hexagon Nut Hex Socket Wrench Screwdriver — 1 piece. 13x125 mm Hexagon Nut Hex Socket Wrench Screwdriver — 1 piece. PH0 Precision Screwdriver — 1 piece. SL 2,5 mm Slotted Precision Screwdriver — 1 piece. Universal Switch cabinet key pen shape — 1 piece. Slotted Screwdriver with one-piece hexagonal blade and solid steel cap 3.5 x 75 mm — 1 piece. Slotted Screwdriver with one-piece hexagonal blade and solid steel cap, 12x200 mm or equivalent — 1 piece. XLSelector Y bit set (25 mm Y bits: 1x PH1, 4x PH2, 1x PH3, 2x PZ1, 4x PZ2, 2x PZ3, 2x T10, 3x T15, 3x T20, 3x T25, 3x T30, 2x T40; 1x magnet bit holder; a ¼ hexagon head; ¼ inner hexagon) — 1 set. A hexagon key set in a holder (HEX sizes: 0.05, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8) — 1 set. Diagonal cutters, 200 mm — 1 piece. Diagonal cutters, 160 mm — 1 piece. Cable cutter, 200 mm — 1 piece. Precision mechanic's diagonal cutters with a spring, 125 mm — 1 piece. Combination Pliers, 180 mm — 1 piece. Needle Nose Pliers, 200mm, complete with a cutting edge and a 40° bent nose — 1 piece. Needle Nose Pliers, 200mm, complete with a cutting edge and a straight nose — 1 piece. Water pump pliers with an adjusting button — 1 piece. Dielectric stripping tool and cable cutters — 1 piece. Stripping tool — 1 piece. Universal automatic stripping tool — 1 piece. Automatic crimp tool — 1 piece. Crimp tool — 1 piece. Stainless steel shears for electricians, with crimping function — 1 piece. 230 to 1000 V non-contact volt detector — 1 piece. Voltage tester single pole, 110-250 V — 1 piece. Flashlight with LED, laser and UV light — 1 piece. Electrician's spirit level, 40cm — 1 piece. Electrician's folding ruler, 2m, 10 segments — 1 piece. Dowel racket set complete with 2 dowels and 2 screws — 1 set. Electrician's hammer — 1 piece. DESIGN: VDE-insulated tools approved for use at 1,000 V AC. Individually tested for electrical safety in compliance with EN/IEC 60900 TOOL CASE: large and durable, reliable and safe, made of polypropylene plastic. Application: For working with parts connected to live wires, up to 1,000 V AC. Complete toolkit for professional electricians, portable. </p>	
20	Shock-resistant PPE kit Kit composition:	1

	Protective helmet Protective eyewear Protective clothing (bib overalls and long-sleeve jacket) Dielectric gloves (length - not less than 350 mm, width - not less than (130±6) mm, thickness - not less than 1.1 mm, it is possible to wear warm gloves under dielectric gloves to protect fingers from freezing, when working outside in cold weather year. On top, it is allowed to wear canvas or leather mittens or gloves, to protect against mechanical damage) Dielectric boots (boots are worn on top of work shoes in sizes 39 to 46).) Dielectric mat (size not less than 750x750 mm) Shears for electric power cords	
21	Set of additional adapters and splitters (if required)	1
22	Fuel pumping kit Connection voltage: 220 V Efficiency, no less than, l/min: 35 Input, inches: 3/4 Output, inches: 3/4 Product type: pumping set Liquids to pump: diesel fuel, water, antifreeze	1

Lot 4. Field Kitchen

No.	Item name and specifications <i>Technical characteristics should not be larger/smaller/worse than specified in TOR</i>	Quantity
1	Field kitchen- mobile kitchen on specialized trailer 1.1. A kitchen trailer of a special design - overall dimensions - not more than 13600 mm (outer length of the container) not more than 2550 mm (outer width of the container) - availability of a technical area for the generator and external units of the air conditioner; - presence of a platform - 2 pieces for the service area (right side and backside of the trailer); - presence of a stainless steel work table with lower shelves. - isolated parts made of a special sealant to protect against water; - availability of storage cabinets. 1.2. Trailer for transportation of containers - 2-axle Braking system compliance with EEC 97/12 standards, double circuit pneumatic, 2s2m ABS, 2-inch pivot, flanged bolts, resistant to high brake tension, forged steel. Easily replaced because of screw connections. Connection height 1250mm+/-10% Location of the pivot at a distance of 1200 to 1600 mm from the front side of the profile. Having 2 connection points for 4x2 and 6x4 trucks, ensuring compatibility with all 4x2 and 6x4 trucks. Availability of two sets of mechanical jacks (load capacity at least 25 and 50 tons) in front and behind the trailer. During operation, sets of mechanical jacks protect the system from any vibrations. 4+1 wheels (1 spare wheel fixed on the trailer). 2 axles with air suspension and drum brake Boxes (storage cabinets) on both sides of the trailer, lockable, with insulated gaskets.	1

Concealed LED lighting for all storage cabinets.
Electrical system 24 V with seven poles
Electrical installations, hermetic cable, various colors
Storage space for LPG liquefied gas cylinders (with ventilation system) and switchboard.

1.3. Floor

Strong floor construction, reinforcing bars and internal equipment mounting.
Insulated sandwich floor with a thickness of at least 50 mm with plywood inside and fiberglass outside, moisture-resistant plywood with a thickness of at least 18 mm, polyurethane insulation with a thickness of at least 50 mm. The use of other materials with the same or better characteristics is allowed.
All floor surfaces are covered with a 3/4 mm layer of aluminum with a non-slip coating.

1.4. External walls of the housing and ceiling

At least 50 mm insulating material
Double-sided MDF (medium-density fiberboard) with a thickness of at least 4 mm
Externally, at least 2 mm sheet of fiberglass covered with a UV stabilizer with a thickness of at least 120 microns, or metal
The inner sheet is made of stainless steel
Externally the hull is smooth and seamless

1.5. Internal walls made of stainless steel

All walls are covered with a sheet of stainless steel with a thickness of at least 0.8 mm

1.6. Control panel and electrical installations

The presence of a phase control relay to protect against incorrect connection
An external electrical socket (protection level not lower than IP67) and an extension cable of at least 10 m.
Availability of protective grounding
A grounding socket next to the power input socket for grounding the truck
Fire-resistant electrical cables
All electrical and data cables have no connectors (bare wires without plugs, connectors etc.)
Electrical switchboard including fuses, relays and switches for all electrical systems
Screen-printed circuit diagram inside the fuse box

1.7. Entrance doors and windows

Lockable panel door with window, not less than 910 x 2010 mm
White color RAL 9016
Collapsible stairs with an anti-slip surface
Collapsible stainless steel handrails
Window at least 700 x 1000 mm with double glazing: turn-and-tilt PVC window, blinds, mosquito net

1.8. Water supply system

Tank for clean water at least 1000 liters, level gauge
A tank for waste water of at least 1000 liters, supply and discharge valves.
Hot and cold clean water piping, sewage water piping, built into the container system and connected to each water intake point
Stainless steel sink with faucet
Water inlet (supply valve) and outlet valve
Automatic water pump for clean water
Electric water heater (boiler) at least 30 liters

1.9. Generator and generator compartment

A diesel generator with a capacity of at least 50 kVA.

Presence of an electric outlet for using of an external sources of electric current.
 Presence of voltage stabilizer (AVR system) and automatic switch (ATS system)
 Soundproof cabinet
 Highly insulated generator compartment with ventilation grilles
 Remote start (from storage cabinet)
 Anti-vibration shock absorbers
 Built-in fuel tank

1.10. LPG gas installation

Gas distribution board
 Easy-to-connect valves
 Security sensors
 Pipe mounting flanges

1.11. Split system conditioner

Split-system air conditioner with a heating and cooling capacity of at least 3.5 KW
 Installation of copper hose with PVC cable trays
 Installation of external and internal blocks on anti-vibration supports
 Easily replaceable filters
 Remote control
 Inverter type A+
 Condensate removal system

1.12. Lighting

Energy-saving LED lighting
 Emergency lighting option in every room

1.13. The ventilation system is a built-in system of ventilation pipes

Fan, minimum — 2 units.
 Low noise level
 Adjustable speed

1.14. Accessories and kitchen equipment

- stainless steel meat processing table;
- electric meat grinder, maximum power, not less than 1000 W, productivity not less than 1 kg/min, voltage 220 V;
- polyethylene chopping block (a folding cutting board with a colander, sink and drain) with overall dimensions of at least 60 x 70 x 8/85 cm;
- garbage cart;
- sink block with stainless steel sink;
- solid stainless steel wall shelf;
- mobile kitchen workbench made of stainless steel with at least one bottom shelf - 5 units;
- gravity slicer, knife diameter, not less than 220 mm, power not less than 0.2 kW, mode: manual/automatic, voltage 220 V;
- sink unit with 2 stainless steel sinks;
- counter-type refrigerator, stainless steel, temperature -2/+8 °C, 2 doors, power at least 0.14 kW, height at least 400 mm;
- industrial electric vegetable cutter, performance, not less than 250 kg/h, power, not more, 0.75 kW, voltage 220 V;
- wall cabinet, stainless steel, 2 doors, minimum 2 shelves;
- table for cleaning dirty dishes, stainless steel, type: pre-wash, waste collection hole, table top with side;
- dishwasher table with sink, stainless steel, worktop with side, lower shelf to match the dimensions of the dishwasher described below;
- extractor type dishwasher, power, not more than 16 kW, performance, not less, 500 plates/h;

	<ul style="list-style-type: none"> - wall-type hood, stainless steel, productivity, not less than 950 m³/h; - cart for stacking trays, 4 swivel wheels, at least 9 levels of tray placement; - stainless steel workbench with middle shelf and block drawers; - UV germicidal lamp, power, not less than 15 W, length, not less than 500 mm; - vertical freezer of deep freezing -10/-25 °C, power, not less than 0.5 KW, voltage 220 V, height, not less than 180 cm; - vertical refrigerator -2/+8 °C, power not less than 0.16 kW, voltage 202 V, height not less than 180 cm; - 6-burner gas stove with gas oven; - floor gas grill with cabinet, number of burners, at least 2, grid ribbed and smooth; - electric professional fryer with cabinet, number of baths -2, volume of baths, at least -15 l each, power, at least 15 kW, voltage 220 V; - marmite for first courses (bain marie) with cabinet, burners, at least 2, stainless steel, voltage 220 V, power, at least 1.2 kW; - electric device for protection against insects (fumigator), power, not less than 18 W, 220 V. <p>1.15. Alarm and security equipment Fire extinguisher in the inner zone - 2 pcs. (carbonated and powdered with a capacity of at least 7 liters each) Smoke detectors in every room Dyeing Three-layer painting Three-time epoxy coating as a means of protection against corrosion</p>	
--	--	--

Lot 5. Additional equipment

No.	Item name and specifications <i>Technical characteristics should not be larger/smaller/worse that specified in TOR</i>	Quantity
1	Foldable bed Type: single bed Frame material: steel or other material with equally good or better characteristics Material of the sleeping place: strong polyester, or nylon, or other material with the same or better characteristics Size, no less then: 180x55x25 cm Bed cover included	200
2	Karemat Size, no less then: 180x50x0,5 cm	200
3	Sleeping bag Filler, density, no less than: 2 × 150 g/m ² Size, no less than: 190×30×80 cm Outer canvas: polyester or other material with other material with the same or better characteristics Filler: any material that has a high thermal insulation capacity, dries quickly, and is hypoallergic	200
4	Inflatable camping pillow Material: PVC or other material other material with the same or better characteristics Dimensions, no less than: 30x20x9 cm Case included	200

5	Folding table Frame material: steel or other material with other material with the same or better characteristics Table top material: plastic or other material with other material with the same or better characteristics Dimensions when unfolded: 180x70x70 cm +/- 10%	20
6	Folding bench Frame material: steel or other material with equally good or better performance Bench material: plastic or other material with equally good or better performance Dimensions when unfolded: 180x43x25 cm +/- 10%	40
7	Folding chair Frame material: steel or other material with equally good or better performance Upholstery material: plastic or other material with equally good or better performance Dimensions when unfolded: 88x46x54 cm +/- 10%	200
8	Dry closet (cabin) Dimensions, l / w / h, no less than: 100 x 100 x 220 cm Visits capacity: up to 500 Tank capacity, no less than: 250 L Body material: plastic, polyethylene, or other material with equally good or better performance Set composition: a tank; a seat with a lid; a plastic pallet; a lock with "Busy / Free" indicator; lugs for a padlock; a toilet paper holder; a hook for clothes.	7
9	Clothes rack on wheels, complete with a set of clothes hangers	20

Lot 6. Equipment for hygiene in the field conditions

No.	Item name and specifications <i>Technical characteristics should not be larger/smaller/worse than specified in TOR</i>	Quantity
1	Field washbasin Design: modular, transportable Length, no less than — 2850 mm Width, no less than — 700 mm Water taps installation height above the floor level — 1100 mm +/- 10 % Gutter installation height above the floor level, midsection — 800 mm +/- 10 % Can be used throughout the year. Washbasin material: galvanized steel or other material with anti-corrosion coating Washbasin installation: at an angle of 3-5° towards the drain Sink drain: 1 unit Frame material: metal profile pipe, not less than 40x40x2mm. Non-essential elements are made of profile pipe no less than 20x20x2mm Hose to the tank: corrugated, with a diameter of 50 mm, and no less than 1.5m in length.	1

	<p>Water pipes: made of steel, 40 mm, with 5 pcs of 15mm tapings into it, and 5 T-joints 15x15x15-90°.</p> <p>Number of taps (faucets) — 10 units, which are directed in different directions from the gutter, spaced at 40-50cm .</p> <p>Sewage hose: 20-32 mm in diameter, 1 m in length.</p> <p>Water tank: has a capacity of 1m3, made of 2mm sheet metal. The tank must be fitted with a DN 40 pipe and DN 40 valve, stiffeners, and transportation handles.</p> <p>Tank support: a 1500h x 1000 x 1000 metal corner frame (40x40). The base of the structure must provide a reliable fluid load of at least 1000 kg.</p> <p>In external design, sharp, protruding pins, wires, etc. must be avoided at all cost. The materials used to make the field washbasin must not have a harmful effect on human health. Any leakage of water from all structural elements is prohibited. The structure must be rigid and stable.</p>	
2	<p>Shower installation with instant water heater (boiler)</p> <p>Design: a separate framed tent for setting up a field shower, fit for use in low temperatures during winter</p> <p>Dimensions, l / w / h, no less than: 2000/2400/2300 mm</p> <p>Approximate deployment / collapse time of the installation: 15 min</p> <p>Water supply tanks capacity:</p> <ul style="list-style-type: none"> – two-section metal elevated tanks: <ul style="list-style-type: none"> • Hot water storage tank, no less than: 60 L • Cold water storage tank, no less than: 60 L – Metal intermediate storage tank for cold water, no less than: 30 L – instantaneous water heater, no less than: 10 L <p>Average waiting period while the water tanks are filled: under 15 min.</p> <p>Capacity, no less than: 5 persons/h</p> <p>Water consumption for one showering slot, no more than: 12 L</p> <p>Heating time to 60°C for upper storage tank, approximately: 30 min</p> <p>The water supply systems must be elevated and should have:</p> <ol style="list-style-type: none"> 1) water storage tanks: every water storage tank must be open to atmospheric pressure and fitted with a filling nozzle and a removable lid providing access to the inside on the tank for periodic cleaning (the system may be equipped with several tanks); 2) flexible pipelines and fittings <p>Water supply pipes are equipped with removable filters for coarse water purification.</p> <p>The water supply and heating system includes:</p> <ul style="list-style-type: none"> a manually operated pump; a water heating tank. <p>Power supply for rapid heating boilers must be provided from the power supply unit of the tent city. A cable with appropriate connectors (at least 20 m long) is supplied as a set and must be compatible with the connectors of the switchboards specified in p. 15 of Lot 2.</p> <p>The level of protection of electrical elements of the shower installation is not lower than IP 67</p> <p>Availability of circuit grounding</p>	8
3	<p>A wooden ramp</p> <p>Size, no less than: 50x50x5 cm</p>	8

1. Additional conditions

Lots 1, 2, 4, 5 and 6:

- 1) The equipment must be delivered along with warranty certificates from the manufacturer. All necessary technical information must be provided by the supplier in either Ukrainian or Russian on the day of delivery.

Every piece of equipment must be covered by an official manufacturers warranty supported by technical services located in Ukraine.

- 2) The price offer should cover the equipment's delivery cost, and, if necessary, its adjustment, start-up, testing and adaptation. Along with their tender offer, bidders must provide quality certificates and / or other relevant documents of compliance with Ukrainian or international standards (such as certificate of compliance with sanitary norms, DSTU, ISO etc.) for every item in the offer to which such condition applies.
- 3) For Lots 1, 2, 3, 5 and 6 delivery must be made within 90 (ninety) calendar days from the date of signing the contract, for Lot 4- 180 (one hundred eighty) days from the date of signing the contract.

Lot 3:

1) Warranty and service

- The warranty must be at least 24 months or 1000 engine hours;
- All cable products and electrical equipment, their plugs and sockets, and other connectors must be compatible with each other and ensure stable interoperability as a unified autonomous power supply system, while connecting heating and air conditioning systems, tent lighting systems, and additional equipment. There must be an option of connecting the tented settlement's power supply system to a permanent power supply network.
- Service and operational maintenance of diesel generator sets is to be performed by the Supplier within their own or partner's service center(s), located in Ukraine.

2) Along with their tender offer, bidders must provide ISO and DSTU as described in the Lot. Delivery of the equipment, its first launch and adjustment, along with practical training of SES staff members (at least 3 people per set of electrical equipment in order to ensure autonomous energy supply), with the manufacturer's or official dealership's representatives involved and respective certificates issued, are performed at the Supplier's expense. This must be confirmed by a letter of guarantee, sent to the Ordering customer as part of the tender offer.

4. Experience and eligibility criteria

- a) Officially listed company (Ukrainian companies should be registered in the Government-controlled regions of Ukraine).
- b) At least 3 (three) successfully completed supplies of equipment/goods, similar to the equipment/goods listed in Specifications for the each Lot, over the course of the past 2 (two) years. Previous experience of cooperation with UNDP or other international NGOs in frames of technical assistance projects may be considered as an asset.
- c) All equipment must have an official warranty service in Ukraine.
- d) At least 2 (two) written positive endorsements from the previous customers who commissioned equipment similar to the one described in this Specification.

5. Evaluation method

The contract will be signed with a substantially responsive Bid/Bidders that conforms to all the terms, conditions, and specifications without material deviation, reservation, or omission.

6. Price and Instalment Plan

- The value of this contract must remain fixed in its duration.
- The bidders must include all the work-related cost (supply and transportation costs, unloading, installation, adjustment, staff salaries, office expenses, etc.) in their bid.
- Payments should be organized as follows:

100% of the value of the goods actually delivered for each Lot will be paid by UNDP within 30 days from the date of receipt of the original invoice, goods and services transfer and acceptance certificate signed by Contractor and UNDP,. Please be informed that the UNDP's preference is to make no advanced payment(s) on contracts. In the event that the Bidder requires an advanced payment, and this requirement is clearly indicated in the proposal for Lot 1, Lot 3 and Lot 4 only, the advance payment may be considered by UNDP.

If such request is duly accepted by UNDP, and the said advanced payment exceeds 20% of the total Bid price, or exceeds the amount of USD 30,000, UNDP will require the Bidder to submit a Bank Guarantee in the same amount as the advanced payment.

Delivery of goods in batches within each Lot can be accepted by UNDP upon contract signing. Shipment in batches is subject to prior approval of the number of shipments. In this case, payments will be made based on invoices and upon signing of delivery notes indicating the exact number of delivered goods. Any additional costs incurred by the delivery in batches must be included in the initial financial proposal.

IMPORTANT! UNDP doesn't have a VAT exemption for this tender. In case of import, suppliers (national and international) will be responsible for custom clearance and payment VAT and all necessary duties and taxes.

Bidders must submit their bids in the format established in the Form F_Price Schedule Form.