



منظمة الشروق للتنمية الاجتماعية والثقافية

ALSHROOQ ORGANIZATION FOR SOCIAL & CULTURAL DEVELOPMENT

Annex I

Technical Specifications

1. The purpose of the Technical Specifications (TS) is to define the technical characteristics of the Goods and Related Services required by the Purchaser.
2. When the Purchaser requests that the Bidder provides in its bid a part or all of the Technical Specifications, technical schedules, or other technical information, the Purchaser shall specify in detail the nature and extent of the required information and the manner in which it has to be presented by the Bidder in its bid.
3. **“Summary of Technical Specifications”:** The Goods and Related Services shall comply with following Technical Specifications and Standards:
 - Tender / RFQ Reference: Al-Shrooq-Shelter-Kits-001
4. **Detailed Technical Specifications and Standards**

The goods shall be new, unused, and suitable for their intended use in emergency shelter construction and repair. All goods shall be of acceptable commercial quality and free from defects in materials, workmanship, manufacturing, and packaging. The specifications below define the minimum technical requirements. Where a recognized international or national standard is applicable, compliance with an equivalent standard providing substantially equal quality and performance shall be acceptable.

a. Plastic Sheets – 4 × 6 m

- **Material:** UV-stabilized polyethylene.
- **Dimensions:** minimum 4 m × 6 m.
- **Thickness:** minimum 200 microns (0.20 mm).
- The sheet shall be waterproof and tear-resistant and suitable for outdoor emergency shelter applications.
- The sheet shall have reinforced eyelets/grommets at approximately 1 m intervals along the edges for secure fixing.
- **Colour:** blue/white.
- The sheet shall be free from holes, cuts, tears, defective eyelets, delamination, or other visible manufacturing defects.
- The product shall be supplied new and unused and suitably packed for transportation and storage.

b. Polypropylene Rope – 30 m × 8 mm

- **Material:** polypropylene (PP).
- **Length:** minimum 30 metres per roll/coil.
- **Diameter:** 8–10 mm.
- The rope shall have adequate tensile strength for securing and fixing emergency shelter materials.
- The rope shall be weather-resistant and UV-resistant and suitable for outdoor use.
- The rope shall be continuous and free from knots, excessive fraying, cuts, weak sections, or other manufacturing defects.
- The rope shall be supplied new and unused.

c. Galvanized Binding Wire – 1 KG

- **Material:** galvanized steel binding wire.
- **Gauge:** 18–20 gauge.
- **Quantity:** approximately 1 kg per roll/coil.
- The wire shall be galvanized and resistant to rust/corrosion under normal outdoor conditions.
- The wire shall be sufficiently flexible for manual tying and securing of shelter materials while maintaining adequate strength for its intended application.
- The coil shall be properly formed and packed to minimize tangling, deformation, and damage during transportation and storage.
- The product shall be new and unused.

d. Shovel

- **Blade Material:** steel.
- **Blade Width:** 20–25 cm.
- **Handle:** hardwood or fiberglass.
- **Handle Length:** 90–100 cm.
- The shovel shall be heavy-duty and suitable for repeated use in emergency shelter construction, site preparation, and related earthwork.
- The blade shall be securely attached to the handle and free from cracks, excessive deformation, or manufacturing defects.
- Hardwood handles, where supplied, shall be sound, straight, smooth and free from significant cracks, splits or defects. Fiberglass handles shall be structurally sound and free from cracks or damage.
- The complete shovel shall be new and unused.

e. Hoe

- **Head Material:** forged steel.
- **Head Width:** 18–22 cm.
- **Handle Material:** hardwood.
- **Handle Length:** 120–140 cm.
- The hoe shall be suitable for repeated use in emergency shelter construction, site preparation and related earthwork.
- The forged steel head shall be securely fitted to the handle and free from cracks, excessive deformation and manufacturing defects.
- The wooden handle shall be straight, smooth, sound and free from significant cracks, splits or other defects.
- The complete hoe shall be new and unused.

f. Hammer

- **Type:** claw hammer.
- **Weight:** approximately 16 oz (450 g).
- **Head:** forged steel.
- **Handle:** fiberglass or wood, fitted with an anti-slip grip.
- The hammer shall be suitable for general emergency shelter construction and repair activities.
- The hammer head shall be securely attached to the handle and free from cracks, excessive deformation or manufacturing defects.
- The striking face and claw shall be properly formed and suitable for their intended use.
- The handle shall be structurally sound and free from cracks, splits or other defects, with an anti-slip grip to facilitate safe handling.
- The complete hammer shall be new and unused.

Packaging, Kitting and Delivery Requirements

- The Supplier shall supply, assemble, package and deliver the shelter kits as complete household kits, ready for distribution to beneficiaries. A total of 4,500 individual household kits shall be prepared and delivered in 4,500 separately packed boxes, with one box corresponding to one household/beneficiary kit.
- Each household box shall contain the specified shelter/NFI materials allocated to one household, including the plastic sheet, polypropylene rope and galvanized binding wire, in accordance with the quantities specified in the Bill of Quantities (BoQ).
- Shelter construction tools (shovel, hoe and hammer) shall be provided at a ratio of one (1) complete set of tools for every five (5) households (1:5). The tools shall therefore be grouped into tool bags/tool sets, with each tool bag containing one shovel, one hoe and one hammer, and shall be clearly identified as a shared tool set serving five household kits.
- The Supplier shall ensure that the distribution of the tool bags is clearly recorded and that the total number of tool bags corresponds to the approved 1:5 household-to-tool-set ratio. Tool bags shall be durable, securely packed and suitable for transportation, handling and repeated field use.
- Each household box and each tool bag shall be clearly labelled and numbered to facilitate inventory control, transportation, distribution and verification. Packaging shall be sufficiently strong to protect the contents from damage, moisture, dust and normal handling during transportation and storage.

- The Supplier shall be responsible for the assembly, packing, labelling, loading, transportation and delivery of the complete kits to the delivery destinations listed below. The Purchaser reserves the right to inspect and verify the contents, packaging and quantities of the kits upon delivery.
- **Delivery Destinations:** the complete kits shall be delivered, unloaded and stacked at the following sites (exact drop-off point within each site to be confirmed in the Purchaser's delivery instruction):
- **Khartoum State – Omdurman – Umbada Locality:** 250 household kits and 51 tool bags;
- **Khartoum State – Omdurman – Karari Locality:** 802 household kits and 200 tool bags;
- **Khartoum State – Omdurman – Omdurman Locality:** 1,000 household kits and 220 tool bags;
- **White Nile State – Kosti, Kosti Mixed IDP/Refugee Site:** 986 household kits and 137 tool bags;
- **White Nile State – Rabak, Rabak Mixed IDP/Refugee Site:** 686 household kits and 137 tool bags;
- **White Nile State – Al Jabalain, Al Jabalain Mixed IDP/Refugee Site:** 776 household kits and 155 tool bags.
- **Total:** 4,500 household kits and 900 tool bags. The Purchaser may reallocate quantities between these six destinations by written instruction before dispatch at no change to the unit prices.
- Receiving arrangements and partial deliveries: the Purchaser will name a receiving officer (name and telephone) for each destination in its delivery instruction issued at contract signature. The Supplier shall give at least 48 hours' notice of each delivery, and deliveries shall be made during the working hours agreed with the receiving

officer. Partial deliveries are permitted by destination and milestone, provided each consignment consists of complete, fully packed household kits and tool bags.

- No substitution, omission or alteration of the specified kit contents or packaging arrangement shall be permitted without prior written approval from the Purchaser.

5. Visibility and Labelling

- All household kit boxes shall bear the required project/donor visibility markings as approved by the Purchaser prior to production. The visibility marking shall include the relevant Islamic Development Bank (IsDB), and Islamic Development & Empowerment in America (IDEA), together with the agreed project/donor wording and any other mandatory visibility information provided by the Purchaser. Logos and wording shall be printed clearly, legibly and permanently on the boxes in an appropriate location and size and shall not be obscured by packaging or handling labels.
- **Pricing Basis:** bidders shall price full-colour printing of the IsDB and IDEA logos and the project wording on two opposite sides and the top of each household box, and a printed label on each tool bag. The Purchaser will issue the approved artwork within three (3) working days of contract signature; the Supplier shall submit a print proof within three (3) working days of receipt, and the Purchaser shall approve or comment within two (2) working days. The delivery periods start from the Purchaser's written approval of the print proof, as stated in the Delivery Schedule.

6. General quality, inspection and acceptance requirements

- The Purchaser reserves the right to inspect and verify the goods upon delivery. All goods shall correspond to the technical specifications stated above. The Supplier shall provide goods that are new, unused and free from defects. Any item that does not meet the specified minimum dimensions, materials, performance requirements, or workmanship requirements may be rejected by the Purchaser and shall be replaced by the Supplier at no additional cost to the Purchaser.
- **Pre-delivery Inspection:** before dispatch of each consignment, the Purchaser (and OC or a third-party inspector, where appointed) will inspect the goods at the Supplier's premises. Random samples will be drawn in accordance with ISO 2859-1, General Inspection Level II, AQL 2.5, and compared with the approved reference samples. The Supplier shall give at least three (3) working days' notice that goods are ready for inspection and shall provide, for each consignment, the manufacturer's test certificate/certificate of conformity for the plastic sheets and a packing list. Results will be recorded in a Pre-Delivery Inspection Report signed by both parties; no consignment may be dispatched without a passed report.
- **Sample Tests:** for each sampled kit – plastic sheet dimensions, thickness (micrometer, at least five points) and eyelet number/spacing; rope length and diameter; binding-wire weight and gauge; tool dimensions and secure fixing of heads to handles; box strength, printing and labelling; and a count of contents. Where the lot fails, the whole consignment will be rejected and must be re-sorted or replaced by the Supplier before re-inspection.

- **Delivery Inspection and Acceptance:** at each destination the goods will be counted and visually checked, and a Goods Received Note signed. The Purchaser will issue an Acceptance Certificate, or a rejection notice listing the defects, within five (5) working days. Rejected or missing items shall be replaced within seven (7) days at the Supplier's cost, including transport. Payment is made only against the Acceptance Certificate.
- **Costs:** the Purchaser bears the cost of its own inspectors. The Supplier bears the cost of its inspection facilities, of any laboratory test required to settle a disputed result where the goods fail, of re-inspection after a failed lot, and of replacing rejected items, including transport.
- **Standards:** Where applicable, recognized international or national standards may be used to demonstrate conformity. Where a standard is referenced by the Bidder, the Bidder shall clearly identify the applicable standard and provide evidence of compliance where requested. Equivalent authoritative standards providing substantially equal or higher quality and performance shall be acceptable.