



## International CALL FOR TENDER ACTED oPT Part A - Instructions to bidders

Date: 20/12/2020

Tender N°: T/HIP2021/EmergencyMaterials/RAM/20-12-2020/002

ACTED oPT is requesting through this tender a company to provide detailed written quotations for the supply of the following products:

**PRODUCT SPECIFICATIONS:**

- |                                    |  |
|------------------------------------|--|
| 1. Description:                    | <b>Emergency Materials</b>                                 |
| 2. Product class / category:       | <b>Emergency Materials</b>                                 |
| 3. Made in (product origin):       | National/International                                     |
| 4. Product stage:                  | <u>New, In good condition, Ready to be used</u>            |
| 5. INCOTERM (delivery conditions): | <u>DDP/To various locations in West Bank based on need</u> |
| 6. Quantity/unit:                  | <u>see the detailed BoQ attached</u>                       |
| 7. Packaging requested:            | <u>see the detailed BoQ attached</u>                       |

Lot	Description	Qty	Unit	INCOTERMS/ Delivery point	Delivery deadline
2	Supply and Installation of Residential Caravan 32 m2, , Residential ,Caravan 45 m2 ,Latrines, PWD Latrines Water Tank 1 m3 – Vertical, Agricultural Water Tank 1 m3 – Horizontal, Water Tank 1.5 m3, Water Tank 5 m3, Caged Water Tank 1000 Liter, Agricultural Structure 22 m2, Residential Metal Shed 26 m2, Isolated Residential Metal Shed 26 m2 Residential Metal Shed 44 m2, Isolated Residential Metal Shed 44 m2, Livelihood Metal Shed 18 m2, Storage Metal Shed 44 m2, Livelihood Metal Shed - Large size 88 m2, Storage Metal Shed - Large size 88 m2 Trough, Drinker, Barrier, Fence , Fixing Caravan, Fixing Composite Shelter, Extra Items	See detailed BoQ		<u>All of West Bank</u>	To be indicated on the Contract

**RESPONSIBILITIES OF THE CONTRACTOR:**

- |                           |  |
|---------------------------|--|
| 1. Terms of delivery:     | <u>DDP + to be indicated in the contract</u>   |
| 2. Date of delivery:      | The contractor shall supply and install the required items within 7 days from receiving the Call-off purchase order. |
| 3. Validity of the offer: | 12 months  |



**The answers to this tender should include the following elements:**

- A written quotation including all the product specifications, the price per unit, quantity proposed and unit, and total price; (Compulsory)
- A certificate of origin.
- A copy of the ID of the legal representative of the company. (Compulsory)
- A Copy of the registration certificate of the company. (Compulsory)

Questions regarding the technical or administrative requirements of this International National Call For Tender may be submitted no later than **12:00 pm local Ramallah time on Sunday 27<sup>th</sup> of December, 2020** by email to [opt.tender@acted.org](mailto:opt.tender@acted.org).



**GENERAL CONDITIONS:**

1. All bids must be submitted before **03 / 01 / 2021 at 12:00pm** By **EMAIL Only** to [opt.tender@acted.org](mailto:opt.tender@acted.org)
2. Tenderers will fill, sign, stamp and return the Offer form according to ACTED's format. All prices should be in USD, Excluding TAX (compulsory).
3. Tenderers will sign and return all pages of the Product Specifications for which they apply.
4. The offer to the call for tender will not result in the award of a contract.
5. The offer must be submitted to ACTED purchase department in a sealed envelope with the mention of the tender reference on the envelope : **T/HIP2021/EmergencyMaterials/RAM/20-12-2020/002**
6. The tenderers can submit an offer for one or several lots.
7. **T/HIP2021/EmergencyMaterials/RAM/20-12-2020/002 not to be opened before 03/01/2021 at 12:00PM**
8. Unsealed envelopes and late offers will not be considered.
9. To ensure that funds are used exclusively for humanitarian purposes and in accordance with donors' compliance requirements, all contract offers are subject to the condition that contractors do not appear on anti-terrorism lists, in line with ACTED's anti-terrorism policy. To this end, contractors' data shall be automatically processed.
10. Suppliers can bid for one or more of the lots. Suppliers must bid for all items within each selected lot.
11. The tender advertisement fees will be deducted from winners of each of the Lots based on proportion of the estimated contract amount.

*NOTE: ACTED adopts a zero tolerance approach towards corruption and is committed to respecting the highest standards in terms of efficiency, responsibility and transparency in its activities. In particular, ACTED has adopted a participatory approach to promote and ensure transparency within the organization and has set up a Transparency focal point (Transparency Team supervised by the Director of Audit and Transparency) via a specific e-mail address. As such, if you witness or suspect any unlawful, improper or unethical act or business practices (such as soliciting, accepting or attempting to provide or accept any kickback) during the tendering process, please contact the following send an e-mail to [transparency@acted.org](mailto:transparency@acted.org).*

**SPECIFIC CONDITIONS:**

1. Eligible contractor should be registered at PCU (Palestinian Contractors Union). (compulsory)
2. Eligible contractor should be registered at the VAT and customs department, and has the ability to provide ACTED with Zero VAT bills. (compulsory)
3. Eligible contractor should provide VAT registration number and financial clearance certificate.
4. Eligible contractor needs to be able to issue tax bills. (compulsory)
5. Eligible contractor should provide valid professions practicing license registration certificate from the Companies' Controller.
6. ACTED has the right to split or cancel or postpone or extend the tender.
7. ACTED is not bound to accept the lowest price.
8. Upon the signing of the contract, winning contractor for the tender needs to secure a performance guarantee Valid for 1 year worth **5,000 US** or a certified check bank for the same amount, where personal checks or cash are not accepted. (compulsory)



9. All prices should be in USD Excluding Tax. (compulsory)
10. The contract duration is 3 months, and supply will be requested throughout the projects duration.
11. Fees of tender advertising in newspapers will be charged to the winner bidder(s).
12. The selection criteria will be based on a **70% Financial and 30% Technical**.

*Company Name:* \_\_\_\_\_

*Authorized Representative Name:* \_\_\_\_\_

*Signature:* \_\_\_\_\_

*Stamp:*



### Evaluation Criteria

A supplier will be selected based on the selection criteria from the table below (with a maximum score of 100). The Scoring Method will be based on the submitted bid .

CRITERIA	SCORING METHOD	MAXIMUM SCORE AVAILABLE
Price	Up to 70 points can be awarded based on the price of requested services	70
Reliability	Up to 10 points can be awarded for suppliers with a demonstrated good record of delivery with NGOs and experience in the sector:  1 point will be allocated for each project (More than 20,000 USD) with other NGOs.  <b>Required providing a summary table of projects + Certificate</b>	10
Capacity	- 2 Point will be allocated for each key staff member for each of the following: Project Manager, Civil or Mechanical Engineer, Forman (Maximum 6 Points).  - 2 Points will be allocated if the work team includes from 1 -3 workers.4 Points for teams with 4 or more workers (Maximum 4 Points)  * CV for key staff is requires *Organizational chart *Table of Company Team	10
Previous experience	Up to 10 points can be awarded for suppliers with previous experience in similar rehabilitation projects:  1 point will be allocated per each year of experience in project implementation <b>(The duration of each project must be provided in the summary table).</b>	10



## Part B - OFFER FORM ACTED OPT

Date: 20/12/2020

Tender N°: T/HIP2021/EmergencyMaterials/RAM/20-12-2020/002

### To be Filled by Bidder (COMPULSORY)

#### Details of Bidding Company:

1. Company Name: ( )

2. Company Authorized Representative Name: ( )

3. Company Registration No: ( )

No/Country/ Ministry

4. Company Specialization: ( )

5. Mailing Address: ( )

Country/Governorate./City/St name/Shop-Office No

a. Contact Numbers: (Land Line: / Mobile No: )  
( )

b. E-mail Address: ( )

I undersigned \_\_\_\_\_, agree to provide ACTED, non-profit NGO, with items answering the following specifications, according to the general conditions and responsibilities that I engage myself to follow.

**\*This Tender leads to frame Work Agreement with a period of 12 moths. The quantities mentioned are just an estimation (Quantity might vary).**

**LOT 2: METAL  
SUPPLIES**

**Residential Caravan 32 m<sup>2</sup>**

*Design code: C32*

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD Ex. VAT	Total Price in USD EX. VAT
1	<p>Fabricating, delivering and installing of metal housing units. Price includes the followings:</p> <p><b>Galvanized profiles</b> as indicated below:</p> <ul style="list-style-type: none"> <li>- 3 Main columns: (6 x 6) cm, and 3mm thick.</li> <li>- Main beam in the roof (6 x 6) cm, and 3 mm thick.</li> <li>- Galvanized steel U angle (7 cm x 5 cm x 7 cm) with thickness of 3mm, welded continuously fixed correctly to the bottom of the gathered zinc boards for each facade.</li> <li>- Galvanized steel U angles (1.5mm thick), welded together and fixed correctly on the top (roof side) of the gathered zinc boards for each facade, and same for all internal partitions and where needed.</li> </ul> <p><b>System fixation</b> It will be pre-prepared, using the CO2 method welding in lines. For the profiles and U angle intersections, welding should be done at the site only when needed; taking into consideration the unit should consist of several complete parts to be joined at the site either by specified welding method or using drilling with 8 mm diameter screws.</p> <p><b>Installing and fixing the metal units to the ground.</b> Using 60 cm long steel bars with 12 mm diameter as shown in attached details drawings (C32) to fix a triangle steel plate (50x50x70) cm with 3 mm thickness in all corners of the structures including the required excavation. If ground is hard bedrock; then use 12 mm diameter jumbo screws drilled into the rock through the plate. (See drawing in C32). All unit's corner should not be less than 40 cm; these steel profiles should be installed to required units corners in order to prevent corner failure.</p> <p><b>External walls and ceiling:</b></p> <ul style="list-style-type: none"> <li>- External walls: "sandwich panel" boards consist of double galvanized 0.5 mm thickness steel sheets, with mixed color (silver for external side and white for internal one), separated by 5 cm of high density Polystyrene (Kalkal) with <b>F20</b> of compression. The boards' dimensions are (230x117x5) cm, and they are fixed with frames of U galvanized steel angle (7 cm x 5 cm x 7 cm) with thickness of 3mm from all sides. All fixed by special screws and elastic rubber to prevent water leakage according to the detailed drawings. Board weight must be at least 10 kg/sqm.</li> <li>- Partitions: same as the external wall boards, but with white color for the two faces.</li> <li>- Ceiling: same as the external wall boards, but with special shape (corrugated panels from the upper side) and with 112 cm width. The board's</li> </ul>	L.S	8		



<p>weight must be at least 10 kg/sqm and 7 cm of high density Polystyrene (Kalkal) with <b>F20</b> of compression.</p> <p><b>White Aluminum windows</b> model No.7700 of national industry, and of 4 mm thickness double glass framed by steel profile with a fixed galvanized steel external mosquito netting on the whole window.(Three portions)</p> <p><b>Shower door</b> Use the same isolated metal boards in fabricating shower door with all required joints, and a door handle of excellent quality with internal latch lock 7-10 cm long.</p> <p><b>Shower base</b> Shower base fabricated from metal sheet coated with PVC layer with a clear resulted area of (90*120) cm, 2mm thickness fixed on steel base with specifications as shown in the attached drawings, (see detail C32). (Shower room should be elevated with 20 cm, from the caravan level)</p> <p><b>Shower tape</b> Single chrome tap with double use (tape and shower hand) of first grade (Italian or equivalent).</p> <p><b>Piping</b> - Connecting 2" PVC pipes and needed fitting with suitable length for the shower and kitchen for the purpose of drainage, and 16 mm diameter HDPE pipes for water supplying. The contractor should supply and install buried drilled barrel for drainage. - Supply galvanized Steel Stand for Water tank(See the drawings C 32) - Connect metal shelter and the mobile latrine with the above-mentioned water tank using HDPE pipes up to 12m long(depends on the real distance in each case). - Installing and connecting the system should be implemented correctly to have the system operating. - Supply transfer, and install polyethylene water tank Size 1 m3:</p> <ul style="list-style-type: none"> <li>-The Water Tank must be made by blow molding method.</li> <li>-The water tank must be free of any holes.</li> <li>-Water Tank must be made of LLDPE materials in White color.</li> <li>-Water tank must have 7 internal rings at least with 1 cm depth for each ring.</li> </ul> <p>Water Tank Durability 30 years at least.</p> <ul style="list-style-type: none"> <li>-Water Tank wall thickness must not be less than (7) mm, with four layers of polyethylene, (White: 2.8 mm, Black: 1.4 mm, Red: 1.4 mm, Blue: 1.4 mm).</li> </ul> <p><b>Cotton curtains</b> 1. For the windows fixed on an aluminum rail frame with cotton curtains. 2. For the purpose of internal partitions, where these curtains have to be of good quality nontransparent type and fast burning resistant, fixed correctly on a suitable aluminum rail, and providing smooth movement to protect them from being ruptured. Curtains separators should be of the room height, and a width as indicated in the drawings. Type and color as approved by the Engineer.</p> <p><b>Installation of 120 cm long kitchen unit.</b> Stainless Steel basin 120 cm, and sandwich wooden cabinets, with Italian joints or equivalent as shown in the drawings, a good quality cabinet hand, single Chrome long neck tap of first grade (Italian or equivalent) fixed to the basin, and connecting the required water supplying plastic pipes (20 mm diameter), and 2" PVC sewage pipe connected to the sewer tank.</p> <p><b>Main Entrance Door</b> Supply and fix correctly a main steel door to all installed units with all</p>				
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<p>accessories; internal steel sections of (4x4) cm and 1.25 mm steel sheets thickness, with door handle of an approved first grade model, the door fixed to the metal unit with special steel frame, and three door joints. All as per Engineer's instructions and approval.</p> <p><b>Welding works</b> In general, it should be of CO2 method implemented in welding line (not points) for the intersection lines of all profiles.</p> <p><b>Roof water gutter</b> (see detail C32).</p> <p><b>Windows protections</b> Supply and implement spear shaped protection for every window in metal shelter unit, where the protection steel is to be painted with three coats (one primer coat) with the color approved by the Supervisor Engineer. Steel bars; dimensions 12 mm with spacing distance of 12 cm between spears, fixed to shelter with galvanized steel screws of 1 cm diameter.</p> <p><b>Roof protection</b> All edges of roof boards should be collected after installation with U section galvanized profiles from 4 sides to protect edges from rust , the lower long side that connects to the gutter should be fixed according to details.</p> <p><b>Supply and Install a Charged Solar Energy Lamp :</b></p> <ul style="list-style-type: none"> <li>- Type: Ball Bulbs</li> <li>- Output power: 40W</li> <li>- Luminous flux: 130LM</li> <li>- CCT/Wavelength: 6500K</li> <li>- Voltage(V): DC 5V</li> <li>- Charging time (by solar panel): 5h</li> <li>- Using time: 3h</li> <li>- Lifespan: 30000hrs</li> <li>- Sheathing material: ABS synthetic plastics</li> <li>- Size: Solar panel: 50 x 50 cm.</li> </ul> <p><b>Supply and deliver of raw material for flooring</b> Supply and deliver the following items:</p> <ul style="list-style-type: none"> <li>- Black cement bags 50 KG : <b>15 bags</b></li> <li>- Aggregate (Adawsiyya 1-2 cm) : <b>3 m³</b></li> <li>- Sand : <b>1.5 m³</b></li> </ul>				
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## Residential Caravan 45 m<sup>2</sup>

Design code: C45

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD Ex. VAT	Total Price in USD Ex. VAT
2	<p>Fabricating, delivering and installing of metal housing units. Price includes the followings:</p> <p><b>Galvanized profiles</b> as indicated below:</p> <ul style="list-style-type: none"> <li>- 3 Main columns: (6 x 6) cm, and 3mm thick.</li> <li>- Main beam in the roof (6 x 6) cm, and 3 mm thick.</li> <li>- Galvanized steel U angle (7 cm x 5 cm x 7 cm) with thickness of 3mm, welded continuously fixed correctly to the bottom of the gathered zinc boards for each facade.</li> <li>- Galvanized steel U angles (1.5mm thick), welded together and fixed correctly on the top (roof side) of the gathered zinc boards for each facade, and same for all internal partitions and where needed.</li> </ul> <p><b>System fixation</b></p> <p>It will be pre-prepared, using the CO2 method welding in lines. For the profiles and U angle intersections, welding should be done at the site only when needed; taking into consideration the unit should consist of several complete parts to be joined at the site either by specified welding method or using drilling with 8 mm diameter screws.</p> <p><b>Installing and fixing the metal units to the ground.</b></p> <p>Using 60 cm long steel bars with 12 mm diameter as shown in attached details drawings (C32) to fix a triangle steel plate (50x50x70) cm with 3 mm thickness in all corners of the structures including the required excavation. If ground is hard bedrock; then use 12 mm diameter jumbo screws drilled into the rock through the plate. (See drawing in C32).</p> <p>All unit's corner should not be less than 40 cm; these steel profiles should be installed to required units corners in order to prevent corner failure.</p> <p><b>External walls and ceiling:</b></p> <ul style="list-style-type: none"> <li>- External walls: "sandwich panel" boards consist of double galvanized 0.5 mm thickness steel sheets, with mixed color (silver for external side and white for internal one), separated by 5 cm of high density Polystyrene (Kalkal) with <b>F20</b> of compression. The boards' dimensions are (230x117x5) cm, and they are fixed with frames of U galvanized steel angle (7 cm x 5 cm x 7 cm) with thickness of 3mm from all sides. All fixed by special screws and elastic rubber to prevent water leakage according to the detailed drawings. Board weight must be at least 10 kg/sqm.</li> <li>- Partitions: same as the external wall boards, but with white color for the two faces.</li> <li>- Ceiling: same as the external wall boards, but with special shape (corrugated panels from the upper side) and with 112 cm width. The board's weight must be at least 10 kg/sqm and 7 cm of high density Polystyrene (Kalkal) with <b>F20</b> of compression.</li> </ul> <p><b>White Aluminum windows</b></p>	L.S	8		



<p>model No.7700 of national industry, and of 4 mm thickness double glass framed by steel profile with a fixed galvanized steel external mosquito netting on the whole window.(Three portions)</p> <p><b>Shower door</b> Use the same isolated metal boards in fabricating shower door with all required joints, and a door handle of excellent quality with internal latch lock 7-10 cm long.</p> <p><b>Shower base</b> Shower base fabricated from metal sheet coated with PVC layer with a clear resulted area of (90*120) cm, 2mm thickness fixed on steel base with specifications as shown in the attached drawings, (see detail C32).</p> <p><b>Shower tape</b> Single chrome tap with double use (tape and shower hand) of first grade (Italian or equivalent).</p> <p><b>Piping</b> - Connecting 2" PVC pipes and needed fitting with suitable length for the shower and kitchen for the purpose of drainage, and 16 mm diameter HDPE pipes for water supplying. The contractor should supply and install buried drilled barrel for drainage. - Supply galvanized Steel Stand for Water tank(See the drawings C 32) - Connect metal shelter and the mobile latrine with the above-mentioned water tank using HDPE pipes up to 12m long(depends on the real distance in each case). - Installing and connecting the system should be implemented correctly to have the system operating. - Supply transfer, and install polyethylene water tank Size 1 m3:  -The Water Tank must be made by blow molding method. -The water tank must be free of any holes. -Water Tank must be made of LLDPE materials in White color. -Water tank must have 7 internal rings at least with 1 cm depth for each ring. Water Tank Durability 30 years at least. -Water Tank wall thickness must not be less than (7) mm, with four layers of polyethylene, (White: 2.8 mm, Black: 1.4 mm, Red: 1.4 mm, Blue: 1.4 mm).</p> <p><b>Cotton curtains</b> 1. For the windows fixed on an aluminum rail frame with cotton curtains. 2. For the purpose of internal partitions, where these curtains have to be of good quality non transparent type and fast burning resistant, fixed correctly on a suitable aluminum rail, and providing smooth movement to protect them from being ruptured. Curtains separators should be of the room height, and a width as indicated in the drawings. Type and color as approved by the Engineer.</p> <p><b>Installation of 120 cm long kitchen unit.</b> Stainless Steel basin 120 cm, and sandwich wooden cabinets, with Italian joints or equivalent as shown in the drawings, a good quality cabinet hand, single Chrome long neck tap of first grade (Italian or equivalent) fixed to the basin, and connecting the required water supplying plastic pipes (20 mm diameter), and 2" PVC sewage pipe connected to the sewer tank.</p> <p><b>Main Entrance Door</b> Supply and fix correctly a main steel door to all installed units with all accessories; internal steel sections of (4x4) cm and 1.25 mm steel sheets thickness, with door handle of an approved first grade model, the door fixed to the metal unit with special steel frame, and three door joints. All as per Engineer's instructions and approval.</p> <p><b>Welding works</b></p>				
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	<p>In general it should be of CO2 method implemented in welding line (not points) for the intersection lines of all profiles.</p> <p><b>Roof water gutter</b> (see detail C32).</p> <p><b>Windows protections</b> Supply and implement spear shaped protection for every window in metal shelter unit, where the protection steel is to be painted with three coats (one primer coat) with the color approved by the Supervisor Engineer. Steel bars; dimensions 12 mm with spacing distance of 12 cm between spears, fixed to shelter with galvanized steel screws of 1 cm diameter.</p> <p><b>Roof protection</b> All edges of roof boards should be collected after installation with U section galvanized profiles from 4 sides to protect edges from rust , the lower long side that connects to the gutter should be fixed according to details.</p> <p><b>Supply and Install a Charged Solar Energy Lamp :</b></p> <ul style="list-style-type: none"> <li>- Type: Ball Bulbs</li> <li>- Output power: 40W</li> <li>- Luminous flux: 130LM</li> <li>- CCT/Wavelength: 6500K</li> <li>- Voltage(V): DC 5V</li> <li>- Charging time (by solar panel): 5h</li> <li>- Using time: 3h</li> <li>- Lifespan: 30000hrs</li> <li>- Sheathing material: ABS synthetic plastics</li> <li>- Size: Solar panel: 50 x 50 cm.</li> </ul> <p><b>Supply and deliver of raw material for flooring</b> Supply and deliver the following items:</p> <ul style="list-style-type: none"> <li>- Black cement bags 50 KG : <b><u>22 bags</u></b></li> <li>- Aggregate (Adawsiyya 1-2 cm) : <b><u>4 m³</u></b></li> <li>- Sand : <b><u>2 m³</u></b></li> </ul>				
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## Latrine

*Design code: L*

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD Ex. VAT	Total Price in USD Ex. VAT
3	<p>Fabricating, delivering and installing of metal latrine units. Price includes the followings:</p> <p>with a whole area of 1.53 m<sup>2</sup> and dimensions of (1.18x1.29)m taking into consideration the following specifications(See drawings for details L):</p> <p><b>External walls:</b> "sandwich panel" boards consist of double galvanized 0.5 mm thick steel sheets, with mixed color (silver for external side and white for internal one), separated by 5 cm of high density Polystyrene (Kalkal) with <b>F20</b> of compression.</p> <p>All corners of the latrine walls should be gathered with U galvanized steel angles; dimensions (5x5x0.2) cm and (5x5x0.2) cm to link walls to floor, fixed by special screws and elastic sealing rubber, to prevent water leakage, with distances according to the Engineer instructions and approval.</p> <p><b>Ceiling:</b> consisting of 2 mm thick galvanized steel sheets supported with 2x2x0.15 cm galvanized steel profile and fixed to the walls according to the drawings(L).</p> <p><b>Latrine floor:</b> galvanized double steel sheets of 0.5 mm thickness insulated with 5 cm Kalkal boards. The metal boards fixed with U steel angle frames: thickness 2 mm, covered with 5 mm thickness of plastic water resistant layer (PVC) of Italian type, sealed with silicon and tape 5-7 cm height on internal side continuously with the ground sheet to ensure an adequate seal.</p> <p><b>White aluminum window</b> (45*45) cm<sup>2</sup> of class A section 4000. Window glass is 4mm thick, wired chipped type (mobazzar) with a fixed external mosquito net; treated where needed with silicon sealant.</p> <p><b>Door:</b> door should be of the same as the wall material, with handle of first grade and toilet cylindrical locks and all necessary fixing frames according to the drawings.</p> <p><b>Turkish toilet:</b> (45*55) cm, white color correctly connected to plastic flush tank (Negara 3/6 litters with buttons on top) Italian brand or equivalent.</p> <p><b>Water tap</b> of type Chrome (long neck), 2 items-one for the basin, and the second for water outlet point.</p> <p><b>Hand Water Spray</b> of type Italian brand or equivalent.</p> <p><b>White Basin</b> (38*45) cm of type Italian brand or equivalent.</p> <p><b>Steel barrel with drilled holes;</b> a proportion of the base removed to be fixed and buried at least 2.0 m from the latrine, with 1/4 m<sup>3</sup> capacity and of 1.5 mm thickness to be used for drainage.</p>	L.S	50		

<p><b>Piping works:</b></p> <ul style="list-style-type: none"> <li>Connecting <b>4" Corrugated PVC pipes</b>, to connect the latrine sewer to the fixed cesspit tank (drilled barrel) or (available sewer system in the area only if approved by the engineer) with correct distance of 4 meters length. A second 4" PVC pipe for ventilation should be fixed, where ventilations pipes are rising vertically 20 cm from the latrine roof; covered with meshed plastic cap.</li> <li>Connecting 2" PVC discharge pipes for waste water from the wash basins.</li> <li>Use ½" steel pipes for internal connections, and 16mm HDPE pipes for connection between the water inlets in the latrine and the available water source (water tank or water network) of the required length to ensure correct water pressure flow.</li> <li>All necessary pipelines and fittings to ensure that the water supply, sewer and drainage systems all work correctly.</li> </ul> <p><b>Steel skeleton works:</b> galvanized steel profile welded correctly and painting of the welding lines with Anti Rust paint as follows:</p> <ul style="list-style-type: none"> <li>Floor supporting profiles: (40x40x2) mm</li> <li>Ceiling supporting profiles: (20x20x1.5)mm</li> <li>Latrine legs: (50x50x3) mm galvanized steel profiles, welded (from corner) to Steel plate (120x120x4) mm.</li> <li>Steel angles to fix all latrine legs with ground: dimensions of (50x50x4) mm and 70 cm long.</li> </ul> <p><b>Latrine step;</b> to supply and install all necessary steel profile (4*4) cm as per drawings with (mobazar) galvanized steel sheets 3 mm thickness.</p> <p><b>Protection box</b> under the latrine floor consisting of galvanized steel (dimension according to the needs, approximately (35*40*60) cm) with 1.5 mm steel sheet thickness to protect the pipes and fittings.</p> <p><b>Welding:</b> should be of CO2 method, implemented in lines (not point welds), wherever an intersection line exists between the different steel sections. The welding line should be painted with a similar color to the profiles, using a rust resistance paint of National type.</p> <p><b>WaSH stickers</b> Supply, print and install two colored A3 sticker, the design will be shared with the selected contractors.</p> <p><b>Supply and Install a Charged Solar Energy Lamp :</b></p> <ul style="list-style-type: none"> <li>- Type: Ball Bulbs</li> <li>- Output power: 40W</li> <li>- Luminous flux: 130LM</li> <li>- CCT/Wavelength: 6500K</li> <li>- Voltage(V): DC 5V</li> <li>- Charging time (by solar panel): 5h</li> <li>- Using time: 3h</li> <li>- Lifespan: 30000hrs</li> <li>- Sheathing material: ABS synthetic plastics</li> <li>- Size: Solar panel: 50 x 50 cm.</li> </ul> <p><b>Supply and deliver a closed cartoon box of Hygiene Kit :</b></p> <ul style="list-style-type: none"> <li>-Hand Sanitizer (Instant hand sanitizer, approved brand by Palestinian MOH, size 400 MI).</li> <li>-Hand Soap (hypoallergenic, unperfumed, individually wrapped &amp; with far expiry dates). <b>(10 pieces)</b></li> <li>-Toilet rolls (good quality with soft double-layer tissue that can be used for different purposes) <b>(36 pieces)</b></li> </ul>				
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<p>-Shampoo (1 bottle with 750 ml capacity) -Toothbrush (2 pieces) -Toothpaste (2 pieces, with 150ml) (Colgate type or equivalent).</p> <p><b>Supply galvanized Steel Stand for Water tank(See the drawings L1). Supply transfer, and install polyethylene water tank Size 1 m3:</b></p> <p>-The Water Tank must be made by blow molding method. -The water tank must be free of any holes. -Water Tank must be made of LLDPE materials in White color. -Water tank must have 7 internal rings at least with 1 cm depth for each ring. Water Tank Durability 30 years at least. -Water Tank wall thickness must not be less than (7) mm, with four layers of polyethylene, (White: 2.8 mm, Black: 1.4 mm, Red: 1.4 mm, Blue: 1.4 mm).</p>				
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<b>PWD Latrine</b> <i>Design code: PL</i>					
<p>Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.</p> <p>This is a quick construction technique, the work in site should be executed maximum in <b>7 calendar days</b>.</p>					
No.	Item	Unit	Estimated Quantity	Unit Price in USD Ex. VAT	Total Price in USD Ex. VAT
4	<p>Fabricating, delivering and installing of metal latrine units for people with disabilities (PWD). Price includes the followings:</p> <p>with a whole area of 3.70 m<sup>2</sup> and dimensions of (2.39x1.55)m taking into consideration the following specifications(See drawings for details L):</p> <p><b>External walls:</b> "sandwich panel" boards consist of double galvanized 0.5 mm thick steel sheets, with mixed color (silver for external side and white for internal one), separated by 5 cm of high density Polystyrene (Kalkal) with <b>F20</b> of compression.</p> <p>All corners of the latrine walls should be gathered with U galvanized steel angles; dimensions (5x5x0.2) cm and (5x5x0.2) cm to link walls to floor, fixed by special screws and elastic sealing rubber, to prevent water leakage, with distances according to the Engineer instructions and approval.</p> <p><b>Ceiling:</b> consisting of 2 mm thick galvanized steel sheets supported with 2x2x0.15 cm galvanized steel profile and fixed to the walls according to the drawings(L).</p> <p><b>Latrine floor:</b> galvanized double steel sheets of 0.5 mm thickness insulated with 5 cm Kalkal boards. The metal boards fixed with U steel angle frames: thickness 2 mm, covered with 5 mm thickness of plastic water resistant layer (PVC) of Italian type, sealed with silicon and tape 5-7 cm height on internal side continuously with the ground sheet to ensure an adequate seal.</p> <p><b>White aluminum window</b> (45*45) cm2 of class A section 4000. Window glass is 4mm thick, wired chipped type (mobazzar) with a fixed external mosquito net; treated where needed with silicon sealant.</p>	L.S	5		

<p><b>Door:</b> door should be of the same as the wall material, with handle of first grade and toilet cylindrical locks and all necessary fixing frames according to the drawings</p> <p><b>European Water toilet:</b> white color correctly connected to ceramic flush tank (Negara 3/6 litters with buttons on top) Italian brand or equivalent. The toilet shall be designed for people with special needs and not normal like normal toilets.</p> <p><b>Water tap</b> of type Chrome (long neck), 2 items-one for the basin, and the second for water outlet point.</p> <p><b>White Basin</b> (38*45) cm of type Italian brand or equivalent.</p> <p><b>Grab handles:</b> three Stainless steel handles, according to the following details:</p> <ul style="list-style-type: none"> <li>- <b>GH1 95 x 65 cm</b> : should fixed on the right side of the toilet (one side on the wall and the other on the ground).</li> <li>- <b>GH2 65 x 65 cm</b> : should fixed on the left side of the toilet (both sides on the wall)</li> <li>- <b>GH3 60 cm</b> : should be fixed on the door from inside.</li> </ul> <p>All grab handles should to be supported with steel angles when required.</p> <p>▪ <b>Steel barrel with drilled holes;</b> a proportion of the base removed to be fixed and buried at least 2.0 m from the latrine, with 1/4 m<sup>3</sup> capacity and of 1.5 mm thickness to be used for drainage.</p> <p><b>Piping works:</b></p> <ul style="list-style-type: none"> <li>• Connecting <b>4" Corrugated PVC pipes</b>, to connect the latrine sewer to the fixed cesspit tank (drilled barrel) or (available sewer system in the area only if approved by the engineer) with correct distance of 4 meters length. A second 4" PVC pipe for ventilation should be fixed, where ventilations pipes are rising vertically 20 cm from the latrine roof; covered with meshed plastic cap.</li> <li>• Connecting 2"PVC discharge pipes for waste water from the wash basins.</li> <li>• Use ½" steel pipes for internal connections, and 16mm HDPE pipes for connection between the water inlets in the latrine and the available water source (water tank or water network) of the required length to ensure correct water pressure flow.</li> <li>• All necessary pipelines and fittings to ensure that the water supply, sewer and drainage systems all work correctly.</li> </ul> <p><b>Steel skeleton works:</b> galvanized steel profile welded correctly and painting of the welding lines with Anti Rust paint as follows:</p> <ul style="list-style-type: none"> <li>• Floor supporting profiles: (40x40x2) mm</li> <li>• Ceiling supporting profiles: (20x20x1.5)mm</li> <li>• Latrine legs: (50x50x3) mm galvanized steel profiles, welded (from corner) to Steel plate (120x120x4) mm.</li> <li>• Steel angles to fix all latrine legs with ground: dimensions of (50x50x4) mm and 70 cm long.</li> </ul> <p><b>Latrine step;</b> to supply and install all necessary steel profile (4*4) cm as per drawings with (mobazar) galvanized steel sheets 3 mm thickness.</p> <p><b>Protection box</b> under the latrine floor consisting of galvanized steel (dimension according to the needs, approximately (35*40*60) cm) with 1.5 mm steel sheet thickness to protect the pipes and fittings.</p> <p><b>Welding:</b> should be of CO2 method, implemented in lines (not point welds), wherever an intersection line exists between the different steel sections. The welding line should be painted with a similar color to the profiles, using a rust resistance paint of National type.</p>				
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	<p><b>Supply and Install a Charged Solar Energy Lamp :</b></p> <ul style="list-style-type: none"> <li>- Type: Ball Bulbs</li> <li>- Output power: 40W</li> <li>- Luminous flux: 130LM</li> <li>- CCT/Wavelength: 6500K</li> <li>- Voltage(V): DC 5V</li> <li>- Charging time (by solar panel): 5h</li> <li>- Using time: 3h</li> <li>- Lifespan: 30000hrs</li> <li>- Sheathing material: ABS synthetic plastics</li> <li>- Size: Solar panel: 50 x 50 cm.</li> </ul> <p><b>Supply and deliver a closed cartoon box of Hygiene Kit :</b></p> <ul style="list-style-type: none"> <li>-Hand Sanitizer (Instant hand sanitizer, approved brand by Palestinian MOH, size 400 ml).</li> <li>-Hand Soap (hypoallergenic, unperfumed, individually wrapped &amp; with far expiry dates). (10 pieces)</li> <li>-Toilet rolls (good quality with soft double-layer tissue that can be used for different purposes) (36 pieces)</li> <li>-Shampoo (1 bottle with 750 ml capacity)</li> <li>-Toothbrush (2 pieces)</li> <li>-Toothpaste (2 pieces, with 150ml) (Colgate type or equivalent).</li> </ul> <p>Supply galvanized Steel Stand for Water tank (See the drawings L1).</p> <p>Supply transfer, and install polyethylene water tank Size 1 m3:</p> <ul style="list-style-type: none"> <li>-The Water Tank must be made by blow molding method.</li> <li>-The water tank must be free of any holes.</li> <li>-Water Tank must be made of LLDPE materials in White color.</li> <li>-Water tank must have 7 internal rings at least with 1 cm depth for each ring.</li> <li>Water Tank Durability 30 years at least.</li> <li>-Water Tank wall thickness must not be less than (7) mm, with four layers of polyethylene, (White: 2.8 mm, Black: 1.4 mm, Red: 1.4 mm, Blue: 1.4 mm).</li> </ul>				
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## Water Tank 1 m<sup>3</sup> - Vertical

*Design code: W1-V*

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD Ex. VAT	Total Price in USD Ex. VAT
5.a	<ul style="list-style-type: none"> <li>- Supply transfer, and install polyethylene water tank Size 1 m3:</li> <li>- The Water Tank must be made by blow molding method.</li> <li>-The water tank must be free of any holes.</li> <li>-Water Tank must be made of LLDPE materials in White color.</li> <li>-Water tank must have 7 internal rings at least with 1 cm depth for each ring.</li> <li>- Water Tank Durability 30 years at least.</li> </ul>	No.	20		

	-Water Tank wall thickness must not be less than (7) mm, with four layers of polyethylene, (White: 2.8 mm, Black: 1.4 mm, Red: 1.4 mm, Blue: 1.4 mm).				
<b>Agricultural Water Tank 1 m<sup>3</sup> - Horizontal</b> <i>Design code: W1-H</i>					
Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval. This is a quick construction technique, the work in site should be executed maximum in <b>7 calendar days</b> .					
No.	Item	Unit	Estimated Quantity	Unit Price in USD Ex. VAT	Total Price in USD Ex. VAT
5.b	- Supply transfer, and install polyethylene horizontal water tank Size 1 m3: - The water tank must be free of any holes. - Water Tank must be made of LLDPE materials in White color. - Water Tank wall thickness must not be less than (6) mm, with three layers of polyethylene at least.	No.	10		

<b>Water Tank 1.5 m<sup>3</sup></b> <i>Design code: W1.5</i>					
Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings, and Engineer approval. This is a quick construction technique, the work in site should be executed maximum in <b>7 calendar days</b> .					
No.	Item	Unit	Estimated Quantity	Unit Price in USD Ex. VAT	Total Price in USD EX. VAT
5.c	- Supply transfer, and install polyethylene water tank Size 1.5 m3: - The Water Tank must be made by blow molding method. - The water tank must be free of any holes. - Water Tank must be made of LLDPE materials in White color. - Water tank must have 7 internal rings at least with 1 cm depth for each ring. - Water Tank Durability 30 years at least. - Water Tank wall thickness must not be less than (7) mm, with four layers of polyethylene, (White: 2.8 mm, Black: 1.4 mm, Red: 1.4 mm, Blue: 1.4 mm).	No.	100		

### Water Tank 5 m<sup>3</sup>

*Design code: W1.5*

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD Ex. VAT	Total Price in USD EX. VAT
5.d	- Supply transfer, and install polyethylene water tank Size 5 m <sup>3</sup> : -The water tank must be free of any holes. -Water Tank must be made of LLDPE materials in Black color. -Water Tank wall is made with one black layer.	No.	5		


### Caged Water Tank 1000 Liter

*Design code: CWT*

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD EX. VAT	Total Price in USD EX. VAT
6	-Supply, deliver and install a Caged Water Tank 1000 Liter according to the following specifications: -The plastic container comes with a top opening wide with a screw-topped. -The plastic container wrapped around with metal mesh frame as show in the picture below. -The weight of the caged water tank is not less than 40 KG when empty. -Tank is equipped with a 2" NPT valve <i>Dimensions (metal frame and surface):</i> Length 120 cm Width 100 cm Height 110 cm Diameter 45 mm tap internal Diameter 58 mm tap screw	No.	5		

					
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## Agricultural Structure 22 m<sup>2</sup>

Design code: AS22

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD Ex. VAT	Total Price in USD EX. VAT
7	<p>Fabricating, delivering and installing of metal housing units. Price includes the followings:</p> <p><b>Galvanized profiles</b> as indicated below:</p> <ul style="list-style-type: none"> <li>- 3 Main columns: (6 x 6) cm, and 3mm thick.</li> <li>- Main beam in the roof (6 x 6) cm, and 3 mm thick.</li> <li>- Galvanized steel U angle (7 cm x 5 cm x 7 cm) with thickness of 3mm, welded continuously fixed correctly to the bottom of the gathered zinc boards for each facade.</li> <li>- Galvanized steel U angles (1.5mm thick), welded together and fixed correctly on the top (roof side) of the gathered zinc boards for each facade, and same for all internal partitions and where needed.</li> </ul> <p><b>System fixation</b></p> <p>It will be pre-prepared, using the CO2 method welding in lines. For the profiles and U angle intersections, welding should be done at the site only when needed; taking into consideration the unit should consist of several complete parts to be joined at the site either by specified welding method or using drilling with 8 mm diameter screws.</p> <p><b>Installing and fixing the metal units to the ground.</b></p> <p>Using 60 cm long steel bars with 12 mm diameter as shown in attached details drawings (AS) to fix a triangle steel plate (50x50x70) cm with 3 mm thickness in all corners of the structures including the required excavation. If ground is hard bedrock; then use 12 mm diameter jumbo screws drilled into the rock through the plate. (See drawing in AS).</p> <p>All unit's corner should not be less than 40 cm; these steel profiles should be installed to required units corners in order to prevent corner failure.</p>	L.S	30		



<p><b>External walls and ceiling:</b></p> <p>- External walls: “sandwich panel” boards consist of double galvanized 0.5 mm thickness steel sheets, with mixed color (silver for external side and white for internal one), separated by 5 cm of high density Polystyrene (Kalkal) with <b>F20</b> of compression .The boards’ dimensions are (230x117x5) cm, and they are fixed with frames of U galvanized steel angle (7 cm x 5 cm x 7 cm) with thickness of 3mm from all sides. All fixed by special screws and elastic rubber to prevent water leakage according to the detailed drawings. Board weight must be at least 10 kg/sqm.</p> <p>- Ceiling: same as the external wall boards, but with special shape (corrugated panels from the upper side) and with 112 cm width. The board’s weight must be at least 10 kg/sqm and 7 cm of high density Polystyrene (Kalkal) with <b>F20</b> of compression.</p> <p><b>White Aluminum windows</b> model No.7700 of national industry, and of 4 mm thickness double glass framed by steel profile with a fixed galvanized steel external mosquito netting on the whole window.(Three portions)</p> <p><b>Main Entrance Door</b> Supply and fix correctly a main steel door to all installed units with all accessories; internal steel sections of (4x4) cm and 1.25 mm steel sheets thickness, with door handle of an approved first grade model, the door fixed to the metal unit with special steel frame, and three door joints. All as per Engineer’s instructions and approval.</p> <p><b>Welding works</b> In general, it should be of CO2 method implemented in welding line (not points) for the intersection lines of all profiles.</p> <p><b>Roof water gutter</b> (see detail AS).</p> <p><b>Windows protections</b> Supply and implement spear shaped protection for every window in metal shelter unit, where the protection steel is to be painted with three coats (one primer coat) with the color approved by the Supervisor Engineer. Steel bars; dimensions 12 mm with spacing distance of 12 cm between spears, fixed to shelter with galvanized steel screws of 1 cm diameter.</p> <p><b>Roof protection</b> All edges of roof boards should be collected after installation with U section galvanized profiles from 4 sides to protect edges from rust , the lower long side that connects to the gutter should be fixed according to details.</p>				
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## Residential Metal Shed **26 m<sup>2</sup>**

*Design code: RS26*

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD EX. VAT	Total Price in USD EX. VAT
8	<p>Install and fix storage <b>Residential Metal Shed size 26 m<sup>2</sup></b>. Price includes man power, welding, screws, and power. All connections between columns, beams and ribs must be by screwed on with steel plates not less than 5mm thick. the highest point in the shed is 250cm .</p> <p><b>As well the bases (the foundations) of the structure should be 30cm in the ground and to be molded in a concrete around it.</b> (Please see drawings).</p> <p>Deliver 6 Galvanized Columns. Size: 8x8cm, 2mm thickness, Length 250cm. Deliver 3 Galvanized Main Beams. Size: 5x10cm, 2mm thickness, Length 500cm Deliver 4 Galvanized Profile. Size: 3x6cm, 2mm thickness, Length 500cm Deliver 8 Galvanized Profile. Size: 3x6cm, 2mm thickness, Length 300cm Deliver 5 Galvanized Profile. Size: 4x8cm, 2mm thickness, Length 600cm Deliver the required painted Steel Sheets. Size: 500x105 cm, .05cm thickness, matte grey color.</p> <p>Supply and fix Roof water gutter at the end of metal housing unit roof to collect rain water, it must be installed with all its accessories and discharge water away from the shelter by lining pipe with enough length to discharge water.</p> <p>Fix door and windows with smooth metal sheets 0.05 cm, with handles and hangers, door and windows frames should be fixed to vertical columns</p> <p><b>Supply and deliver of raw material for flooring</b> Supply and deliver the following items: - Black cement bags 50 KG : <b>15 bags</b> - Aggregate (Adawsiyya 1-2 cm) : <b>2 m<sup>3</sup></b> - Sand : <b>1 m<sup>3</sup></b></p>	L.S	20		

## Isolated Residential Metal Shed **26 m<sup>2</sup>**

*Design code: RS26*

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD EX. VAT	Total Price in USD EX. VAT
9	<p>Install and fix storage <b>Residential Metal Shed size 26 m<sup>2</sup></b>. Price includes man power, welding, screws, and power. All connections between columns, beams and ribs must be by screwed on with steel plates not less than 5mm thick. the highest point in the shed is 250cm .</p> <p><b>As well the bases (the foundations) of the structure should be 30cm in the ground and to be molded in a concrete around it.</b> (Please see drawings).</p> <p>Deliver 6 Galvanized Columns. Size: 8x8cm, 2mm thickness, Length 250cm. Deliver 3 Galvanized Main Beams. Size: 5x10cm, 2mm thickness, Length 500cm Deliver 4 Galvanized Profile. Size: 3x6cm, 2mm thickness, Length 500cm Deliver 8 Galvanized Profile. Size: 3x6cm, 2mm thickness, Length 300cm Deliver 5 Galvanized Profile. Size: 4x8cm, 2mm thickness, Length 600cm Deliver the required painted Steel Sheets. Size: 500x105 cm, .05cm thickness, matte grey color.</p> <p><b>Internal insulation:</b></p> <ul style="list-style-type: none"> <li>Supplying and spray a layer of Polyurethane Spray Foam thickness 3 cm covering all internal roof and side walls.</li> <li>Supplying and installation a layer of O.S.B wood sheets for the sides and roof, the size of each board is 244*122 cm, the thickness is 11 mm thickness. To be fixed using self-driven steel screw with rubber and washer 4.0x45mm .the maximum distance between each two screws is 30 cm.</li> </ul> <p>Supply and fix Roof water gutter at the end of metal housing unit roof to collect rain water, it must be installed with all its accessories and discharge water away from the shelter by lining pipe with enough length to discharge water.</p> <p>Fix door and windows with smooth metal sheets 0.05 cm, with handles and hangers, door and windows frames should be fixed to vertical columns</p> <p><b>Supply and deliver of raw material for flooring</b> Supply and deliver the following items: - Black cement bags 50 KG : <b>15 bags</b> - Aggregate (Adawsiyya 1-2 cm) : <b>2 m<sup>3</sup></b> - Sand : <b>1 m<sup>3</sup></b></p>	L.S	5		

## Residential Metal Shed **44 m<sup>2</sup>**

*Design code: RS44*

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD EX. VAT	Total Price in USD EX. VAT
10	<p>Install and fix <b>Storage Metal Shed size 44m<sup>2</sup></b>, Price includes man power, welding, screws and power. All connections between columns, beams and ribs must be by screwed on with steel plates not less than 5mm thick. the highest point in the shed is 250cm.</p> <p><b>As well the bases (the foundations) of the structure should be 30cm in the ground and to be molded in a concrete around it.</b> (Please see drawings).</p> <p>Deliver 6 Galvanized Columns. Size: 8x8cm, 2mm thickness, Length 250cm.  Deliver 3 Galvanized Main Beams. Size: 5x10cm, 2mm thickness, Length 500cm  Deliver 12 Galvanized Profile. Size: 3x6cm, 2mm thickness, Length 500cm  Deliver 10 Galvanized Profile. Size: 4x8cm Length 500cm, 2mm thickness  Deliver the required painted Steel Sheets. Size: 500x105 cm, .05cm thickness, matte grey color.</p> <p>Supply and fix Roof water gutter at the end of metal housing unit roof to collect rain water, it must be installed with all its accessories and discharge water away from the shelter by lining pipe with enough length to discharge water.</p> <p>Fix door and windows with smooth metal sheets 0.05 cm, with handles and hangers, door and windows frames should be fixed to vertical columns</p> <p><b>Supply and deliver of raw material for flooring</b>  Supply and deliver the following items:  - Black cement bags 50 KG : <b>22 bags</b>  - Aggregate (Adawsiyya 1-2 cm) : <b>4 m<sup>3</sup></b>  - Sand : <b>2 m<sup>3</sup></b></p>	L.S	10		



## Isolated Residential Metal Shed **44 m<sup>2</sup>**

Design code: RS44

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD EX. VAT	Total Price in USD EX. VAT
11	<p>Install and fix <b>Storage Metal Shed size 44m<sup>2</sup></b>, Price includes man power, welding, screws and power. All connections between columns, beams and ribs must be by screwed on with steel plates not less than 5mm thick. the highest point in the shed is 250cm.</p> <p><b>As well the bases (the foundations) of the structure should be 30cm in the ground and to be molded in a concrete around it.</b> (Please see drawings).</p> <p>Deliver 6 Galvanized Columns. Size: 8x8cm, 2mm thickness, Length 250cm. Deliver 3 Galvanized Main Beams. Size: 5x10cm, 2mm thickness, Length 500cm Deliver 12 Galvanized Profile. Size: 3x6cm, 2mm thickness, Length 500cm Deliver 10 Galvanized Profile. Size: 4x8cm Length 500cm, 2mm thickness Deliver the required painted Steel Sheets. Size: 500x105 cm, .05cm thickness, matte grey color.</p> <p><b>Internal insulation:</b></p> <ul style="list-style-type: none"> <li>Supplying and spray a layer of Polyurethane Spray Foam thickness 3 cm covering all internal roof and side walls.</li> <li>Supplying and installation a layer of O.S.B wood sheets for the sides and roof, the size of each board is 244*122 cm, the thickness is 11 mm thickness. To be fixed using self-driven steel screw with rubber and washer 4.0X45mm .the maximum distance between each two screws is 30 cm.</li> </ul> <p>Supply and fix Roof water gutter at the end of metal housing unit roof to collect rain water, it must be installed with all its accessories and discharge water away from the shelter by lining pipe with enough length to discharge water.</p> <p>Fix door and windows with smooth metal sheets 0.05 cm, with handles and hangers, door and windows frames should be fixed to vertical columns</p> <p><b>Supply and deliver of raw material for flooring</b> Supply and deliver the following items:</p> <ul style="list-style-type: none"> <li>- Black cement bags 50 KG : <b>22 bags</b></li> <li>- Aggregate (Adawsiyya 1-2 cm) : <b>4 m<sup>3</sup></b></li> <li>- Sand : <b>2 m<sup>3</sup></b></li> </ul>	L.S	5		



### Livelihood Metal Shed 18 m<sup>2</sup>

*Design code: LS18*

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD EX. VAT	Total Price in USD EX. VAT
12	<p>Install and fix <b>Livelihood Metal Shed size 18m<sup>2</sup></b>. Price includes man power, welding, screws, and power. All connections between columns, beams and ribs must be by screwed on with steel plates not less than 5mm thick. the highest point in the shed is 250cm.</p> <p><b>As well the bases (the foundations) of the structure should be 30cm in the ground and to be molded in a concrete around it.</b> (Please see drawings).</p> <p>Deliver 4 Galvanized Columns. Size: 8x8cm, 2mm thickness, Length 250 cm</p> <p>Deliver 2 Galvanized Main Beams 5x10cm 2mm thickness, Length 500 cm.</p> <p>Deliver 4 Galvanized Profile. Size: 3x6cm Length 460 cm</p> <p>Deliver 9 Galvanized Profile. Size: 3x6cm Length 400 cm</p> <p>Deliver the required painted Steel Sheets. Size: 500x105 cm, .05 cm thickness, matte gray color.</p> <p>Supply and fix Roof water gutter at the end of metal housing unit roof to collect rain water, it must be installed with all its accessories and discharge water away from the shelter by lining pipe with enough length to discharge water.</p> <p>Fix door with smooth metal sheets 0.05 cm, with handles and hangers, door frames should be fixed to vertical columns</p>	L.S	10		

### Livelihood Metal Shed 44 m<sup>2</sup>

*Design code: LS44*

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD EX. VAT	Total Price in USD EX. VAT
13	<p>Install and fix <b>Livelihood Metal Shed size 44m<sup>2</sup></b>, Price includes man power, welding, screws and power. All connections between columns, beams and ribs must be by screwed on with steel plates not less than 5mm thick. the highest point in the shed is 250cm.</p> <p><b>As well the bases (the foundations) of the structure should be 30cm in the ground and to be molded in a concrete around it.</b> (Please see drawings).</p> <p>Deliver 6 Galvanized Columns. Size: 8x8cm, 2mm thickness, Length 250cm.</p> <p>Deliver 3 Galvanized Main Beams 5x10cm, 2mm thickness, Length 500 cm.</p> <p>Deliver 12 Galvanized Profile. Size: 3x6cm Length 500cm</p> <p>Deliver 10 Galvanized Profile. Size: 4x8cm Length 500cm, 2mm thickness</p>	L.S	50		



<p>Deliver the required painted Steel Sheets. Size: 500x105 cm, .05cm thickness, matte gray color.</p> <p>Supply and fix Roof water gutter at the end of metal housing unit roof to collect rain water, it must be installed with all its accessories and discharge water away from the shelter by lining pipe with enough length to discharge water.</p> <p>Fix door with smooth metal sheets 0.05 cm, with handles and hangers, door frames should be fixed to vertical columns</p>				
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## Storage Metal Shed 18 m<sup>2</sup>

*Design code: SS18*

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in 7 calendar days.

No.	Item	Unit	Estimated Quantity	Unit Price in USD EX. VAT	Total Price in USD EX. VAT
14	<p>Install and fix <b>Storage Metal Shed size 18m<sup>2</sup></b>. Price includes man power, welding, screws, and power. All connections between columns, beams and ribs must be by screwed on with steel plates not less than 5mm thick. the highest point in the shed is 250cm.</p> <p><b>As well the bases (the foundations) of the structure should be 30cm in the ground and to be molded in a concrete around it.</b> (Please see drawings).</p> <p>Deliver 4 Galvanized Columns. Size: 8x8cm, 2mm thickness, Length 250cm Deliver 2 Galvanized Main Columns. Size: 5x10cm, 2mm thickness, Length 500cm Deliver 4 Galvanized Profile. Size: 3x6cm, 2mm thickness, Length 460cm Deliver 9 Galvanized Profile. Size: 3x6cm, 2mm thickness, Length 400cm Deliver the required painted Steel Sheets. Size: 500x105 cm, .05cm thickness, matte grey color.</p> <p>Supply and fix Roof water gutter at the end of metal housing unit roof to collect rain water, it must be installed with all its accessories and discharge water away from the shelter by lining pipe with enough length to discharge water.</p> <p>Fix door with smooth metal sheets 0.05 cm, with handles and hangers, door frames should be fixed to vertical columns</p>	L.S	10		



## Storage Metal Shed 44 m<sup>2</sup>

*Design code: SS44*

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD EX. VAT	Total Price in USD EX. VAT
15	<p>Install and fix <b>Storage Metal Shed size 44m<sup>2</sup></b>, Price includes man power, welding, screws and power. All connections between columns, beams and ribs must be by screwed on with steel plates not less than 5mm thick. the highest point in the shed is 250cm.</p> <p><b>As well the bases (the foundations) of the structure should be 30cm in the ground and to be molded in a concrete around it.</b> (Please see drawings).</p> <p>Deliver 6 Galvanized Columns. Size: 8x8cm, 2mm thickness Length 250 cm            Deliver 3 Galvanized Main Beams. Size: 5x10cm, 2mm thickness, Length 500cm            Deliver 12 Galvanized Profile. Size: 3x6cm, 2mm thickness, Length 500cm            Deliver 10 Galvanized Profile. Size: 4x8cm Length 500cm, 2mm thickness            Deliver the required painted Steel Sheets. Size: 500x105 cm, .05cm thickness, matte grey color.</p> <p>Supply and fix Roof water gutter at the end of metal housing unit roof to collect rain water, it must be installed with all its accessories and discharge water away from the shelter by lining pipe with enough length to discharge water.</p> <p>Fix door with smooth metal sheets 0.05 cm, with handles and hangers, door frames should be fixed to vertical columns</p>	L.S	50		

## Livelihood Metal Shed - Large size 88 m<sup>2</sup>

*Design code: LSL88*

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD EX. VAT	Total Price in USD EX. VAT
16	<p>Install and fix <b>Livelihood Metal Shed size 88 m<sup>2</sup></b>, Price includes man power, welding, screws and power. All connections between columns, beams and ribs must be by screwed on with steel plates not less than 5mm thick. the highest point in the shed is 430cm.</p> <p><b>As well the bases (the foundations) of the structure should be 60 x 60 cm with reinforcement concrete.</b> (Please see drawings LSL88).</p> <p>Deliver 14 Galvanized Columns. Size: 15x15cm, 3mm thickness, Length 5m.            Deliver 5 Galvanized H Beams 20x9cm, 8mm thickness, Length 7.3m.            Deliver 8 Galvanized Profile. Size: 4x8cm Length 6m, 2mm thickness for the long side.            Deliver 8 Galvanized Profile. Size: 4x8cm Length 4m, 2mm thickness for the</p>	L.S	5		



	<p>short side. Deliver 14 Galvanized Profile. Size: 4x8cm Length 6m, 2mm thickness for the roof. Deliver the required painted Steel Sheets. Size: 500x105 cm, .05cm thickness, matte gray color.'</p> <p>Supply and fix Roof water gutter at the end of metal housing unit roof to collect rain water, it must be installed with all its accessories and discharge water away from the shelter by lining pipe with enough length to discharge water.</p>				
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## Storage Metal Shed - Large size 88 m<sup>2</sup>

*Design code: SSL88*

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD Ex. VAT	Total Price in USD Ex. VAT
17	<p>Install and fix <b>Storage Metal Shed size 88 m<sup>2</sup></b>, Price includes man power, welding, screws and power. All connections between columns, beams and ribs must be by screwed on with steel plates not less than 5mm thick. the highest point in the shed is 430cm.</p> <p><b>As well the bases (the foundations) of the structure should be 60 x 60 cm with reinforcement concrete.</b> (Please see drawings SSL88).</p> <p>Deliver 14 Galvanized Columns. Size: 15x15cm, 3mm thickness, Length 5m. Deliver 5 Galvanized H Beams 20x9cm, 8mm thickness, Length 7.3m. Deliver 20 Galvanized Profile. Size: 4x8cm Length 6m, 2mm thickness for the long side. Deliver 20 Galvanized Profile. Size: 4x8cm Length 4m, 2mm thickness for the short side. Deliver 14 Galvanized Profile. Size: 4x8cm Length 6m, 2mm thickness for the roof. Deliver the required painted Steel Sheets. Size: 500x105 cm, .05cm thickness, matte gray color.'</p> <p>Supply and fix Roof water gutter at the end of metal housing unit roof to collect rain water, it must be installed with all its accessories and discharge water away from the shelter by lining pipe with enough length to discharge water.</p> <p>The structure contains four windows 1.5 x 1.5 m, and one main door with two movable segments 2 x 2 m</p>	L.S	5		



### Trough

*Design code: E*

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD Ex. VAT	Total Price in USD Ex. VAT
18	Supply and Deliver <b>feeding troughs</b> made of galvanized 3 mm thick steel sheets of 13 cm height, 40 cm width and 180 length. The trough legs consist from galvanized steel 40x40 mm profile with a total height of 75 cm from the top of the trough. All sheets must be bent from the top 2cm. Price includes perfect welding for all connection lines so that the trough is impermeable to water. (Please see drawings).	No.	150		

### Drinker

*Design code: E*

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD Ex. VAT	Total Price in USD EX. VAT
19	Supply and deliver drinkers made of galvanized 2mm thick steel sheets of 12 cm height, 30 cm top width and 150 length. The drinker legs consist from 20x40mm galvanized steel profile with height 45 cm from the top of the drinker. All sheets must be bent from the top 2cm. Price include perfect welding for all connection lines so that the drinker is impermeable to water. (Please see drawings).	No.	150		

### Barrier

*Design code: E*

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD Ex. VAT	Total Price in USD EX. VAT
20	Supply and deliver galvanized <b>cattle barriers</b> made of thermal painted steel. Size: 1.5x1.2 m. They consist of solid bars 2x2 cm fixed vertically. Spaces between bars must not exceed 12cm.	No.	150		

## Fence

Design code: F

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Estimated Quantity	Unit Price in USD EX. VAT	Total Price in USD EX. VAT
21	Supply and deliver galvanized steel fence 1.5 m high and 2.8 mm thick, with 6x6 cm openings.  Supply and deliver steel angles (10 pieces/ 25 meter) with 200 cm long, with a triangle shape.  Supply, deliver galvanized strong steel wire 2mm thick. ( 4 KG / 25 meter)  Supply, deliver galvanized fine steel wire 1.2 mm thick. ( 2 KG / 25 meter)	L.M	5000		

## Mechanism of Fixing Caravan

Design code: FC

Price includes wages, material, accessories, supplying, fabrications, installation, and fixation in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Item	Unit	Quantity	Unit Price (Dollar)	Total Price (Dollar)
22	<ul style="list-style-type: none"> <li>•Casting reinforcement B250 concrete slab on grade, thickness not less than 10 cm, the size of the slab exceeding the shelter size with 60 cm all around the shelter. The edge of the slab is concrete hollow blocks of 40*20*20 cm (two rows at least).</li> <li>•Before casting concrete, obtaining the approval of the supervisor is mandatory.</li> <li>•Use Ø8mm steel bars in both directions, the distance between longitudinal and transverse direction is 20 cm. The price includes, supplying, formwork, reinforcement works, and shuttering, curing, shoring and all other related works to finalize the surfaces according to engineer instructions.</li> <li>•The shelter to be fixed to the ground with T shape steel plate 50x50 cm, 3 mm thickness, the maximum distance between each plate is 100 cm .The contractor should casting at the corners of the shelter 60*60*40 cm</li> </ul>	-	-	-	-



	<p>foundation using natural stones and concrete.</p> <ul style="list-style-type: none"> <li>• Provide and install a plastic sheet under the steel net, from inside and outside the structure.</li> <li>• Price includes scaffolding for works and covering the cost of workers as well.</li> <li>• The measured quantity unit is based on casting of <b>concrete only</b>. (The price includes: Block, concrete, workers, steel net, PVC sheet, workers, scaffolding ...)</li> </ul>				
	<b>Fixing Caravan</b>	M3	100		

## 24. Extra Items

Price includes supplying, fabrications, delivery in the desired location for every unit, where all materials must be of (TAKEN quality) or equivalent, or as specified type or class. The contractor should prepare a complete shelter unit, fully detailed to be approved by the Engineer and considered as a sample, before fabricating the remaining units. All material should match the specifications, detailed drawings and Engineer approval.

This is a quick construction technique, the work in site should be executed maximum in **7 calendar days**.

No.	Delivery / Installations	Item	Unit	Estimated Quantity	Price/Unit in USD EX. VAT	Total price in USD EX. VAT
23.aa	<b><u>Deliver and install</u></b>	<p><b><u>Ceiling Sandwich panel 7 cm :</u></b></p> <ul style="list-style-type: none"> <li>- Ceiling Sandwich panel (<b><u>corrugated</u></b> boards from the upper side) consist of double galvanized 0.5 mm thickness steel sheets, with mixed color (silver for external side and white for internal one), separated by <b>7 cm</b> of high density Polystyrene (Kalkal) with <b>F20</b> of compression .and they are fixed with frames of U galvanized steel frame 0.5mmfrom all sides. All fixed by special screws and elastic rubber to prevent water leakage. Board weight must be at least 10 kg/sqm.</li> <li>- Each Roof should be installed on steel frame (8 x 4)cm with 2mm thick.</li> <li>- Two main beams should be installed (500 x 6 x 6) cm with 2 mm thick, supported with one column (6 x 6 x 3) with 2 mm thick for each room</li> <li>- Galvanized steel U angles (0.2mm thick), welded together and fixed correctly on the top (roof side) of the gathered zinc boards for each facade, and same for all internal partitions and where needed.</li> </ul>	m <sup>2</sup>	250		
23.ab	<b><u>Deliver and install</u></b>	<b><u>Ceiling Sandwich panel 5 cm :</u></b>	m <sup>2</sup>	250		





		<ul style="list-style-type: none"> <li>- Ceiling Sandwich panel (<b>corrugated</b> boards from the upper side) consist of double galvanized 0.5 mm thickness steel sheets, with mixed color (silver for external side and white for internal one), separated by <b>5 cm</b> of high density Polystyrene (Kalkal) with <b>F20</b> of compression .and they are fixed with frames of U galvanized steel frame 0.5mm from all sides. All fixed by special screws and elastic rubber to prevent water leakage. Board weight must be at least 10 kg/sqm.</li> <li>- Each Roof should be installed on steel frame (8 x 4)cm with 2mm thick.</li> <li>- Two main beams should be installed (500 x 6 x 6) cm with 2 mm thick, supported with one column (6 x 6 x 3) with 2 mm thick for each room</li> <li>- Galvanized steel U angles (0.2mm thick), welded together and fixed correctly on the top (roof side) of the gathered zinc boards for each facade, and same for all internal partitions and where needed.</li> </ul>				
23.ac	<b><u>Deliver and install</u></b>	<p><b><u>Walls Sandwich panel 5 cm :</u></b></p> <ul style="list-style-type: none"> <li>- External walls: "sandwich panel" boards consist of double galvanized 0.5 mm thickness steel sheets, with mixed color (silver for external side and white for internal one), separated by 5 cm of high density Polystyrene (Kalkal) with <b>F20</b> of compression .The boards' dimensions are (230x117x5) cm. Board weight must be at least 10 kg/sqm.</li> </ul>	m <sup>2</sup>	100		
23.ad	<b><u>Delivery only</u></b>	<p><b><u>Corrugated Steel sheets:</u></b></p> <ul style="list-style-type: none"> <li>- Galvanized and Painted Steel Sheets. Size: 500x105 cm, .045 cm thickness, matte grey/semi green color.</li> </ul>	m <sup>2</sup>	200		
23.ae	<b><u>Deliver and install</u></b>	<p><b><u>Wooden door (90x200x5)cm:</u></b></p> <ul style="list-style-type: none"> <li>- The door shall be made from sandwich boards 17 mm in both sides consisting of pinewood strips placed end to end. The width of each strip shall not exceed 25 mm. The strips shall be placed side by side, which shall then be glued between the two wooden layers from each side (Sandwich and beech layers).</li> <li>- The surface shall be made with painted beech (Zan) wood 4mm thickness.</li> <li>- Frames shall be made from Swedish wood with square and flat shape, the corners of frame being fabricated to a true right angle. Both the fixed and opening frames shall be constructed of sections which have been cut to length, mitered and screwed at the corners.</li> <li>- Good quality of door handle attached with lever lock operated by key and lockable from both inside and outside</li> </ul>	No.	3		
23.af	<b><u>Deliver and install</u></b>	<p><b><u>-Steel door (100x210x5)cm:</u></b></p> <ul style="list-style-type: none"> <li>- The door shall be made from Galvanized steel sheets 2 mm in both sides consisting .</li> <li>- The surface shall be painted twice (Primer layer and grey color)</li> <li>- Frames shall be manufactured out of (2 mm) Galvanized Steel</li> </ul>	No.	3		



		box 6x3 cm. - Good quality of door handle attached with lever lock operated by key and lockable from both inside and outside				
23.ag	<b><u>Deliver and install</u></b>	<b><u>Multi-lock door:</u></b> - Open Style: Swing - Position: Exterior - Surface Finishing: Finished and painted - Type: Security Doors - Door Material: Steel - Steel door standard size: 210x100 cm, or customized - Surface treatment: heat transfer - Steel door leaf thk.: 50mm-60mm - Steel panel thk. for frame: 1.5 mm - Accessory: Locks, Handle, Hinges, Bolts, Keys, Rubber seal - Infilling: rock wool	No.	3		
23.ah	<b><u>Deliver only</u></b>	<b><u>Steel bar 8 mm</u></b>	Kg	250		
23.ai	<b><u>Deliver only</u></b>	<b><u>Steel bar 10 mm</u></b>	Kg	250		
23.aj	<b><u>Deliver and install</u></b>	<b><u>Rectangular Steel Tube (4x8)cm with 2mm thickness</u></b> -Price includes supplying, installation, and fixation by welding techniques in the desired location for every unit.	Kg	100		
23.ak	<b><u>Deliver and install</u></b>	<b><u>Rectangular Steel Tube (3x6)cm with 2mm thickness</u></b> -Price includes supplying, installation, and fixation by welding technique in the desired location for every unit.	Kg	100		
23.al	<b><u>Deliver and install</u></b>	<b><u>Rectangular Steel Tube (6x6)cm with 2mm thickness</u></b> -Price includes supplying, installation, and fixation by welding technique in the desired location for every unit.	Kg	100		
23.am	<b><u>Deliver only</u></b>	<b><u>2" PVC pipes</u></b>	L.M	30		
23.an	<b><u>Deliver only</u></b>	<b><u>4" PVC pipes</u></b>	L.M	30		
23.ao	<b><u>Deliver only</u></b>	<b><u>Curtains:</u></b> Curtains have to be of good quality non transparent type and fast burning resistant, attached correctly with a suitable aluminum rail depends on the required width.	m <sup>2</sup>	50		
23.ap	<b><u>Deliver and install</u></b>	<b><u>European Flush Toilet:</u></b> - Porcelain double flush toilet including pipes. - Size: 520x360x350mm	No.	3		
23.aq	<b><u>Deliver and install</u></b>	<b><u>Wash basin with mixer:</u></b> - Porcelain wash basin including mixers, pipes, etc. - Size: 510*430*155mm	No.	3		



23.ar	<b><u>Deliver and install</u></b>	<b><u>Water mixer:</u></b> Water mixer of type Chrome with long neck and it should be European Brand.	No.	5		
23.as	<b><u>Deliver only</u></b>	<b><u>Shower base:</u></b> Shower base fabricated from metal sheet coated with PVC layer with a clear resulted area of (90*120) cm	No.	5		
23.at	<b><u>Deliver only</u></b>	<b><u>Steel stand for Water tanks 1 m³:</u></b> - Supply galvanized Steel Stand for Water tank 1 m³, Please see the attached Drawing (SS1)	No.	5		
23.au	<b><u>Deliver only</u></b>	<b><u>Steel stand for Water tanks 1.5 m³:</u></b> - Supply galvanized Steel Stand for Water tank 1.5 m³, Please see the attached Drawing (SS2)	No.	5		
23.av	<b><u>Deliver only</u></b>	<b><u>Charged Solar Energy Lamp :</u></b> - Type: Ball Bulbs - Output power: 40W - Luminous flux: 130LM - CCT/Wavelength: 6500K - Voltage(V): DC 5V - Charging time (by solar panel): 5h - Using time: 3h - Lifespan: 30000hrs - Sheathing material: ABS synthetic plastics - Size: Solar panel: 50 x 50 cm.	No.	50		
23.aw	<b><u>Deliver only</u></b>	<b><u>Supply and deliver a Hygiene Kit:</u></b> <b>(The following items must be put in a closed cartoon box):</b> -Hand Sanitizer (Instant hand sanitizer, approved brand by Palestinian MOH, size 400 ml). -Hand Soap (hypoallergenic, unperfumed, individually wrapped & with far expiry dates). (10 pieces) -Toilet rolls (good quality with soft double-layer tissue that can be used for different purposes) (36 pieces) -Shampoo (1 bottle with 750 ml capacity) -Toothbrush (2 pieces) -Toothpaste (2 pieces, with 150ml) (Colgate type or equivalent).	No.	20		
23.ax	<b><u>Deliver only</u></b>	<b><u>Steel barrel</u></b> - A cylindrical steel container with 200 Liter size.	No.	50		
23.ay	<b><u>Deliver only</u></b>	<b><u>Wooden Pieces:</u></b> - 15 x 5 x 244 cm of scaffolding wood	No.	50		
23.az	<b><u>Supply only</u></b>	<b><u>WaSH stickers</u></b> Supply and print a colored A3 sticker, the design will be shared with the selected contractors.	No.	100		
23.ba	<b><u>Deliver and install</u></b>	- <b><u>Feeding troughs for cows:</u></b> Supply and Deliver <b>feeding troughs</b> made of galvanized 3 mm thick steel sheets of 25 cm height, 60 cm width and 3m length. The trough legs consist from galvanized steel 6x6 cm profile with a total height of 75 cm from the top of the trough. All sheets must be bent from the top 2cm. Price includes perfect welding for all connection lines so that the trough is impermeable to	No.	2		



		water.				
23.bb	<b><u>Deliver and install</u></b>	<p>- Drinkers for cows:</p> <p>Supply and deliver drinkers made of galvanized 3 mm thick steel sheets of 20 cm height, 60 cm top width and 3m length. The drinker legs consist from 6x6cm galvanized steel profile with height 60 cm from the top of the drinker. All sheets must be bent from the top 2cm. Price include perfect welding for all connection lines so that the drinker is impermeable to water.</p>	No.	2		
23.bc	<b><u>Deliver only</u></b>	Portland cement	Ton	50		
23.bd	<b><u>Deliver only</u></b>	Sand	M3	50		
24.be	<b><u>Deliver only</u></b>	Aggregates	M3	50		
23.bf	<b><u>Deliver only</u></b>	Nhata	M3	50		
23.bg	<b><u>Deliver only</u></b>	Tile, Spanish or Italian Brands, 60x60 cm	m <sup>2</sup>	100		
23.bh	<b><u>Deliver only</u></b>	Block 10 cm	No.	5000		
23.bi	<b><u>Deliver only</u></b>	Block 15 cm	No.	5000		
23.bj	<b><u>Deliver only</u></b>	Block 20 cm	No.	5000		
23.bk	<b><u>Deliver and install</u></b>	Aluminum windows Dimensions 110 cm width & 100 cm height .Aluminum No. 7700 or 7000, the color is white , national nabko 2 parts of glass , the width of frame is 3 cm & the handle included the cost of measurement and installing	No.	5		
23.bl	<b><u>Deliver only</u></b>	Super Gryl or Emulsion (Each Gallon =18 Litre )	No.	5		
23.bm	<b><u>Deliver only</u></b>	Tube 16 mm	L.M	100		
23.bn	<b><u>Deliver only</u></b>	Tube 20 mm	L.M	100		
23.bo	<b><u>Deliver and Install</u></b>	Polyurethane Spray Foam رش مادة البولي يوريثان بسمكة 3 سم كحد ادنى	M2	200		
23.bp	<b><u>Deliver only</u></b>	Spotlight (Headlamps) 100 watt	No.	5		
23.bq	<b><u>Deliver only and install</u></b>	OSP wooden boards, size: 1.22x2.44 m	No.	10		
23.br	<b><u>Deliver only</u></b>	<p><b>Electricity Generator:</b></p> <p>Brand: <b>FORD 3500 KVA.</b></p> <p>Frame type: open frame.</p> <p>Type of switch: Start manual</p> <p>Starter Type: Recoil / Electric</p> <p>Type of Fuel: Gasoline</p> <p>Low Oil Sensor</p> <p>Outlets: European Style</p> <p>Frequency: 50Hz</p> <p>Battery Type: 12V 7Ah</p> <p>Guarantee: 12 months (Official document from the company).</p>	No.	15		
23.bs		<p>Unskilled worker, working in the desired area within West-Bank for 8 working hours/ day.</p> <p>عامل (غير معلم)، قابلية للعمل في اي منطقة ضمن كافة حدود الضفة الغربية لـ 8 ساعات في اليوم</p> <p>المبلغ المقترح هو مبلغ مستحق بالكامل للعامل</p>	No. of days عدد الايام	100		

**TOTAL**

**BIDDER'S REMARKS:**

1. \_\_\_\_\_  
\_\_\_\_\_
2. \_\_\_\_\_  
\_\_\_\_\_

Name of Bidders authorized representative \_\_\_\_\_

Stamp and signature of authorized representative \_\_\_\_\_

**Water Tanks Delivery (Optional)**

Price includes the delivery cost of one water tanks in the desired location:

No.	Item	Unit	Quantity	Unit Price (Dollar)	Total Price (Dollar)
24	<b>Deliver</b> one Water Tank 1.5 m3 from ACTED warehouse (Halhul) to the following locations:  <i>Within 24 hours from the request.</i>	-	-	-	-
24.a	<b>South area: Hebron, Bethlehem</b>	No.	10		
24.b	<b>Middle area: East Jerusalem, Jericho, Ramallah</b>	No.	10		
24.c	<b>North area: Nablus, Qalqilia, Tulkarem, Jenin, Tubas, Salfit</b>	No.	10		

**Latrines Delivery (Optional)**

Price includes the delivery cost of one full latrine (Including: steel stand and water tank) in the desired location:

No.	Item	Unit	Quantity	Unit Price (Dollar)	Total Price (Dollar)
25	<b>Deliver</b> one full Latrine unit with all components, from ACTED warehouse (Halhul) to the following locations:  <i>Within 24 hours from the request.</i>	-	-	-	-
25.a	<b>South area: Hebron, Bethlehem</b>	No.	10		
25.b	<b>Middle area: East Jerusalem, Jericho, Ramallah</b>	No.	10		
26.c	<b>North area: Nablus, Qalqilia, Tulkarem, Jenin, Tubas, Salfit</b>	No.	10		

### Fence Delivery (Optional)

Price includes the delivery cost of one Fence unit (25 m) (Including: steel poles and steel wires) in the desired location for each unit:

No.	Item	Unit	Quantity	Unit Price (Dollar)	Total Price (Dollar)
26	<b>Deliver</b> one fence unit with all components (Steel poles and steel wires) from ACTED warehouse (Halhul) to the following locations:  <i>Within 24 hours from the request.</i>	-	-	-	-
26.a	<b>South area: Hebron, Bethlehem</b>	No.	10		
26.b	<b>Middle area: East Jerusalem, Jericho, Ramallah</b>	No.	10		
26.c	<b>North area: Nablus, Qalqilia, Tulkarem, Jenin, Tubas, Salfit</b>	No.	10		

No.	List of Items	UNIT Price in USD Excluding VAT
1	Residential Caravan 32 m <sup>2</sup>	
2	Residential Caravan 45 m <sup>2</sup>	
3	Latrines	
4	PWD Latrines	
5.a	Water Tank 1 m <sup>3</sup> - Vertical	
5.b	Agricultural Water Tank 1 m <sup>3</sup> - Horizontal	
5.c	Water Tank 1.5 m <sup>3</sup>	
5.d	Water Tank 5 m <sup>3</sup>	
6	Caged Water Tank 1000 Liter	
7	Agricultural Structure 22 m <sup>2</sup>	
8	Residential Metal Shed 26 m <sup>2</sup>	
9	Isolated Residential Metal Shed 26 m <sup>2</sup>	
10	Residential Metal Shed 44 m <sup>2</sup>	
11	Isolated Residential Metal Shed 44 m <sup>2</sup>	
12	Livelihood Metal Shed 18 m <sup>2</sup>	
13	Livelihood Metal Shed 44 m <sup>2</sup>	
14	Storage Metal Shed 18 m <sup>2</sup>	
15	Storage Metal Shed 44 m <sup>2</sup>	
16	Livelihood Metal Shed - Large size 88 m <sup>2</sup>	
17	Storage Metal Shed - Large size 88 m <sup>2</sup>	
18	Trough	
19	Drinker	
20	Barrier	
21	Fence	
22	Fixing Caravan	
23	Extra Items	
24	Water Tanks Delivery (Optional)	
25	Latrines Delivery (Optional)	



26	Fence Delivery (Optional)	
<b>TOTAL</b>		
<b>Total in words:</b>		





## BIDDER'S QUESTIONNAIRE ACTED [oPt]- إستبانة معلومات

Date: 20/12/2020

Tender N°: T/HIP2021/EmergencyMaterials/RAM/20-12-2020/002

PART I: INFORMATION			
A. Company Details and General Information			
Name of Company		Trading As	
Address (headquarters)		Telephone	
Zip Code (headquarters)		Fax	
City (headquarters)		E-mail address 1	
PO Box		E-mail address 2	
Country (headquarters)		Website address	
Parent Company or name of owner		Subsidiaries/ Associates/ Overseas Representative	
Sales Person's Name		Sales Person's Position	
Sales Person's phone		Sales Persons' E-mail	
Governance of the company: Chairman, Vice-Chairman, Treasurer or Secretary of the Board of Directors or Board of Trustees			
Name (as in passport or other government-issued photo ID)		Date of birth (mm/dd/yyyy)	
Government-issued photo Identification Document (ID) number		Type of ID	
ID country of issuance		Rank or title in organization	
Other names used (nicknames or pseudonyms not listed as "Name")		Gender (e.g. male, female)	
Current employer		Occupation	



and job title:			
Address of residence		Citizenship(s)	
Province/Region		E-mail address	
Is the individual a U.S. citizen or legal permanent resident?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Professional Licenses – State Issued Certifications	
Management of the company: CEO, Executive Director, Deputy Director, President or Vice-President			
Name (as in passport or other government-issued photo ID)		Date of birth (mm/dd/yyyy)	
Government-issued photo Identification Document (ID) number		type of ID	
ID country of issuance		Rank or title in organization	
Other names used (nicknames or pseudonyms not listed as "Name")		Gender (e.g. male, female)	
Current employer and job title:		Occupation	
Address of residence		Citizenship(s)	
Province/Region		E-mail addresses	
Is the individual a U.S. citizen or legal permanent resident?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Professional Licenses – State Issued Certifications	
Management of the company: Chief Finance Officer or Chief Accountant			
Name (as in passport or other government-issued photo ID)		Date of birth (mm/dd/yyyy)	
Government-issued photo Identification Document (ID) number		type of ID	
ID country of issuance		Rank or title in organization	



Other names used (nicknames or pseudonyms not listed as "Name")		Gender (e.g. male, female)	
Current employer and job title:		Occupation	
Address of residence		Citizenship(s)	
Province/Region		E-mail addresses	
Is the individual a U.S. citizen or legal permanent resident?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Professional Licenses – State Issued Certifications	
<b>Company's staff &amp; insurance</b>			
No. Full Time Employees:		Employee average work wage per hour:	
% of Men to Women:		Any employee(s) with relatives working with ACTED?	<input type="checkbox"/> Yes <input type="checkbox"/> No
No. of Children:		What is the legal minimum wage paid?	<input type="checkbox"/> Yes <input type="checkbox"/> No
In what capacity?		Are paid vacations offered?	<input type="checkbox"/> Yes <input type="checkbox"/> No
What are their ages?		Are flexible working hours offered?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Name of insurance company:		Staff covered by health insurance?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Description of the Company</b>			
Type of Business (multiple choices possible):	<input type="checkbox"/> Manufacturing <input type="checkbox"/> Manufacturing <input type="checkbox"/> Consulting Company <input type="checkbox"/> Trader <input type="checkbox"/> Authorized Agent <input type="checkbox"/> Other, please specify : _____		
Sector of Business (multiple choices possible):	<input type="checkbox"/> Goods / supplies <input type="checkbox"/> Works <input type="checkbox"/> Services <input type="checkbox"/> Equipment <input type="checkbox"/> Other, please specify : _____		
Year Established:		Country of registration:	
Licence number:		Valid until:	
Working languages:	<input type="checkbox"/> English <input type="checkbox"/> Arabic <input type="checkbox"/> French <input type="checkbox"/> Chinese <input type="checkbox"/> Spanish <input type="checkbox"/> Other, please specify : _____		
Technical documents available in:	<input type="checkbox"/> English <input type="checkbox"/> Arabic <input type="checkbox"/> French <input type="checkbox"/> Chinese <input type="checkbox"/> Spanish <input type="checkbox"/> Other, please specify : _____		

B. Financial Information						
VAT Number:		Tax Number:				
Bank Name:		Bank Account Number:				
Bank Address:		Account Name:				
Swift/BIC number:		Standard Payment Terms:				
Has the company been audited in the last 3 years?				<input type="checkbox"/> Yes <input type="checkbox"/> No		
Please attach a copy of the company's most recent Annual or Audited Financial Report				<input type="checkbox"/> Attached		
Annual Value of Total Sales for the last 3 Years:						
Year:		Year:		Year:		
USD:		USD:		USD:		
Annual Value of Export Sales for the last 3 years						
Year:		Year:		Year:		
USD:		USD:		USD:		
C. Experience						
Company's recent business with ACTED and/or other International Aid Agencies or United Nations Agencies:						
#	Organisation	Contact person	Phone/E-mail	Goods/Works/Services	Value (USD)	Destination
1						
2						
3						
4						
5						
What is your company's main area of expertise?						
What is your company's business coverage area?		<input type="checkbox"/> National <input type="checkbox"/> Restricted to (specify location) : _____				
To which countries has your company exported and/or managed projects in the last 3 years?						
Provide any other information that demonstrates your company's qualifications and experience (eg. awards)						
List any national or international Trade/Professional Organisations of which your company is a member						
D. Technical Capability						



Type of Quality Assurance Certificate		<input type="checkbox"/> Attached
Type of Certification/Qualification Documents		<input type="checkbox"/> Attached
International Offices/Representation		
List below up to 10 of the core Goods and/or Services your company sells:		
1)	6)	
2)	7)	
3)	8)	
4)	9)	
5)	10)	
List the main assets of your company (trucks & heavy machines, heavy & valuable equipment, premises & warehouses, production sites etc.)		
1)	6)	
2)	7)	
3)	8)	
4)	9)	
5)	10)	
<b>E. Miscellaneous</b>		
Does your company have an Environmental Policy? (Yes/No)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Does your company have an Ethical Trading Policy? (Yes/No)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Does your company have an Anti-terrorist Policy? (Yes/No)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Is your company compliant with the EU General Data Protection Regulation (or equivalent)? (Yes/No)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
If you answered yes to the above two questions, please attach copies of your policy:		<input type="checkbox"/> Attached
Has your company ever been bankrupt, or is in the process of being wound up, having its affairs administered by the courts, has entered into an arrangement with creditors, has suspended business activities, is the subject of proceedings concerning these matters, or is in any analogous situation arising from a similar procedure provided for in national law?		<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:		
Has your company ever been convicted of an offence concerning its professional conduct by a judgment which has force of res judicata?		<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:		
Has your company ever been guilty of grave professional misconduct proven by other means?		<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:		

details:			
Has your company ever not fulfilled its obligations relating to the payment of social security contributions, or the payment of taxes in accordance with the law of the country in which it is established, or with those of France, or those of the country where the contract is to be performed?			<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:			
Has your company ever been the subject of a judgement, which has the force of res judicata for fraud, corruption, involvement in a criminal organisation or any other illegal activity?			<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:			
Has your company ever been declared to be in serious breach of contract for failure to comply with its contractual obligations, following another procurement procedure or grant award procedure financed by a donor country?			<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:			
Has your company ever been declared to be in serious breach of contract for failure to comply with its contractual obligations, following another procurement procedure or grant award procedure financed by a donor country?			<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:			
Has your company ever been in any dispute with any Government Agency, the United Nations, or International Aid Organisations (including ACTED)?			<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:			
Do you agree with terms of payment of 30 days?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Do you accept visit of ACTED staff & external auditors to your office?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>PART II: CERTIFICATION</b>			
I, the undersigned warrant that the information provided in this form is correct, and in the event of changes, details will be provided to ACTED as soon as possible in writing. I also understand that ACTED does not do business with companies, or any affiliates or subsidiaries, which engage in any practices that are in breach of ACTED's Child Protection, Sexual Exploitation and Abuse Protection, Conflict of Interest, Anti-fraud, Anti-terrorism Policy and Data Protection Policies (available on request).			
Name:		Date:	
Title/Position		Place:	



E-mail address (for contact for verification purposes):		Signature:	
Phone number (for contact for verification purposes):		Company Stamp:	
Check list of supporting documents			For ACTED use only
1) Trading license	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked	
2) VAT registration/tax clearance certificate	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked	
3) Company profile	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked	
4) Proof of trading/dealership/agent	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked	
5) Evidence of similar contracts	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked	
6) References	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked	
7) Particulars of CEO and key personnel	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked	
8) Articles of Association & Certificate of incorporation	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked	
9) Financial statements (latest)	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked	
10) Other (specify):	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked	

Name \_\_\_\_\_ الإسم

Position: \_\_\_\_\_ الوصف الوظيفي

Signature & Stamp: \_\_\_\_\_ التوقيع والختم

Date: \_\_\_\_\_ التاريخ



## BIDDER'S ETHICAL DECLARATION - الإلتزام الأخلاقي

Date: 20/12/2020

Tender N°: T/HIP2021/EmergencyMaterials/RAM/20-12-2020/002

Tenderer's name: اسم المورد \_\_\_\_\_

Tenderer's address: عنوان المورد \_\_\_\_\_

CODE OF CONDUCT: الرجاء قراءة الفقرات التالية جيدا والتوقيع على الإلتزام بها

### 1. Labour Standards

The labour standards in this code are based on the conventions of the International Labour Organisation (ILO).

- *Employment is freely chosen*

There is no forced, bonded or involuntary prison labour. Workers are not required to lodge 'deposits' or their identity papers with the employer and are free to leave their employer after reasonable notice.

- *Freedom of association and the right to collective bargaining are respected*

Workers, without distinction, have the right to join or form trade unions of their own choosing and to bargain collectively. The employer adopts an open attitude towards the legitimate activities of trade unions. Workers representatives are not discriminated against and have access to carry out their representative functions in the workplace. Where the right to freedom of association and collective bargaining is restricted under law, the employer facilitates, and does not hinder, the development of parallel means for independent and free association and bargaining.

- *Working conditions are safe and hygienic*

A safe and hygienic working environment shall be provided, bearing in mind the prevailing knowledge of the industry and of any specific hazards. Adequate steps shall be taken to prevent accidents and injury to health arising out of, associated with, or occurring in the course of work, by minimising, so far as is reasonably practicable, the causes of hazards inherent in the working environment. Workers shall receive regular and recorded health and safety training, and such training shall be repeated for new or reassigned workers. Access to clean toilet facilities and potable water and, if appropriate, sanitary facilities for food storage shall be provided. Accommodation, where provided, shall be clean, safe, and meet the basic needs of the workers. The company observing the standards shall assign responsibility for health and safety to a senior management representative.

- *Child Labour shall not be used*

There shall be no new recruitment of child labour. Companies shall develop or participate in and contribute to policies and programmes, which provide for the transition of any child found to be performing child labour to enable her/him to attend and remain in quality education until no longer a child. Children and young people under 18 years of age shall



not be employed at night or in hazardous conditions. These policies and procedures shall conform to the provisions of the relevant International Labour Organisation (ILO) standards.

- *Living wages are paid*

Wages and benefits paid for a standard working week meet, at a minimum, national legal standards or industry benchmarks. In any event wages should always be high enough to meet basic needs and to provide some discretionary income. All workers shall be provided with written and understandable information about their employment conditions in respect to wages before they enter employment, and about the particulars of their wages for the pay period concerned each time that they are paid. Deductions from wages as a disciplinary measure shall not be permitted nor shall any deductions from wages not provided for by national law be permitted without the express and informed permission of the worker concerned. All disciplinary measures should be recorded.

- *Working hours are not excessive*

Working hours comply with national laws and benchmark industry standards, whichever affords greater protection. In any event, workers shall not on a regular basis be required to work in excess of the local legal working hours. Overtime shall be voluntary, shall not exceed local legal limits, shall not be demanded on a regular basis and shall always be compensated at a premium rate.

- *No discrimination is practised*

There is no discrimination in hiring, compensation, access to training, promotion, termination or retirement based on race, caste, national origin, religion, age, disability, gender, marital status, sexual orientation, union membership or political affiliation.

- *Regular employment is provided*

To every extent possible work performed must be on the basis of a recognised employment relationship established through national law and practice. Obligations to employees under labour or social security laws and regulations arising from the regular employment relationship shall not be avoided through the use of labour-only contracting, sub-contracting or home-working arrangements, or through apprenticeship schemes where there is no real intent to impart skills or provide regular employment, nor shall any such obligations be avoided through the excessive use of fixed-term contracts of employment.

- *No harsh or inhumane treatment is allowed*

Physical abuse or discipline, the threat of physical abuse, sexual or other harassment and verbal abuse or other forms of intimidation shall be prohibited.

## **B. Environmental Standards**

Suppliers should as a minimum comply with all statutory and other legal requirements relating to the environmental impacts of their business. Detailed performance standards are a matter for suppliers, but should address at least the following:

- *Waste Management*

Waste is minimised and items recycled whenever this is practicable. Effective controls of waste in respect of ground, air, and water pollution are adopted. In the case of hazardous materials, emergency response plans are in place.

- *Packaging and Paper*

Undue and unnecessary use of materials is avoided, and recycled materials used whenever appropriate.

- *Conservation*

Processes and activities are monitored and modified as necessary to ensure that conservation of scarce resources, including water, flora and fauna and productive land in certain situations.

- *Energy Use*

All production and delivery processes, including the use of heating, ventilation, lighting, IT systems and transportation, are based on the need to maximise efficient energy use and to minimise harmful emissions.

- ***Safety precautions for transport and cargo handling***

All transport and cargo handling processes are based on the need to maximise safety precautions and to minimise potential injuries to ACTED beneficiaries and staff as well as the suppliers's employees or those of its subcontractors.

## **C. Business Behaviour**

The conduct of the supplier should not violate the basic rights of ACTED's beneficiaries.

The supplier should not be engaged

1. in the manufacture of arms
2. in the sale of arms to governments which systematically violate the human rights of their citizens; or where there is internal armed conflict or major tensions; or where the sale of arms may jeopardise regional peace and security.

## **D. ACTED procurement rules and regulations**

Suppliers should comply with ACTED procurement rules and regulations outlines in ACTED Logistics Manual Version 1.3. or above. In particular, ACTED's procurement policy set out in Section 2.1 and 2.4. (contract awarding). By doing so, Suppliers acknowledge that they do not find themselves in any of the situations of exclusion as referred to under section 2.4.2.

## **Operating Principles**

The implementation of the Code of Conduct will be a shared responsibility between ACTED and its suppliers, informed by a number of operating principles, which will be reviewed from time to time.

ACTED will:

1. Assign responsibility for ensuring compliance with the Code of Conduct to a senior manager.
2. Communicate its commitment to the Code of Conduct to employees, supporters and donors, as well as to all suppliers of goods and services.



3. Make appropriate human and financial resources available to meet its stated commitments, including training and guidelines for relevant personnel.
4. Provide guidance and reasonable non-financial support to suppliers who genuinely seek to promote and implement the Code standards in their own business and in the relevant supply chains, within available resources.
5. Adopt appropriate methods and systems for monitoring and verifying the achievement of the standards.
6. Seek to maximise the beneficial effect of the resources available, e.g. by collaborating with other NGOs, and by prioritising the most likely locations of non-compliance.

ACTED expects suppliers to:

1. Accept responsibility for labour and environmental conditions under which products are made and services provided. This includes all work contracted or sub-contracted and that conducted by home or other out-workers.
2. Assign responsibility for implementing the Code of Conduct to a senior manager.
3. Make a written Statement of Intent regarding the company's policy in relation to the Code of Conduct and how it will be implemented, and communicate this to staff and suppliers as well as to ACTED.

Both parties will

1. require the immediate cessation of serious breaches of the Code and, where these persist, terminate the business relationship.
2. Seek to ensure all employees are aware of their rights and involved in the decisions which affect them.
3. Avoid discriminating against enterprises in developing countries.
4. Recognise official regulation and inspection of workplace standards, and the interests of legitimate trades unions and other representative organisations.
5. seek arbitration in the case of unresolved disputes.

### Qualifications To The Policy Statement

The humanitarian imperative is paramount. Where speed of deployment is essential in saving lives, ACTED will purchase necessary goods and services from the most appropriate available source.

ACTED can accept neither uncontrolled cost increases nor drops in quality. It accepts appropriate internal costs but will work with suppliers to achieve required ethical standards as far as possible at no increase in cost or decrease in quality.

I undersigned [ ], agree to adopt the above Code of Conduct and to commit to comply with the labour and environmental standards specified, both in my own company and those of my suppliers.

Name & Position of Tenderer's authorized representative الإسم والوصف الوظيفي للمورد والممثل الرسمي للشركة

\_\_\_\_\_

Authorized signature التوقيع

\_\_\_\_\_



## BIDDER'S CHECK LIST ACTED [oPt] – Lot 2

Date: 20/12/2020

Tender N°: T/HIP2021/EmergencyMaterials/RAM/20-12-2020/002

**BEFORE SENDING YOUR BIDDING DOCUMENTS, PLEASE CHECK THAT EACH OF THE FOLLOWING ITEM IS COMPLETE STAMPED SIGNED AND RESPECTS THE FOLLOWING CRITERIA:**

وتوقيعها وختمها الرجاء التأكد من أن كل الوثائق المطلوبة المدرجة في الجدول تم إرفاقها

Description	To be filled in by Bidder		For ACTED use only (to be filled in by Purchase Committee)			
	Included		Present		Comments	
	Yes	No	Yes	No		
1. PART 2 (form PRO-06) –Offer Form & attachments is attached, filled, signed, and stamped by the supplier. <b>(compulsory)</b> عرض السعر معبأ ، موقع ،مختوم ، مغلق من قبل المورد						
2. The prices in the Offer Form are in USD <b>(compulsory)</b> عرض السعر مدرج بالدولار الأمريكي						
3. PART 3 (form PRO-06-01)– Bidders Questionnaire Form is attached, filled, signed and stamped by the supplier. إستبانة العطاء مرفقة معبأة موقعة ومختومة من قبل المورد اذا وجدت						
4. PART 4 – (form PRO-06-02) – Bidder’s Ethical Declaration is attached, filled, signed and stamped by the supplier. <b>(compulsory)</b> إعلان الإلتزام الأخلاقي معبأ موقع ومختوم من قبل المورد						
5. The Bidding documents are filled in English. عرض السعر معبأ باللغة الإنجليزية.						
6. ANNEXES – Proofs of past performances in a similar field of activity (e.g. past deliveries of similar items) are provided شهادة خبرة وحسن أداء مرفقة						
7. ANNEXES – A Copy of Company registration documents and license are included & A copy of the legal representative ID. شهادة تسجيل وترخيص الشركة سارية المفعول مرفقة <b>(compulsory)</b>						
8. ACTED-BOQ-Drawings is attached, filled, signed, and stamped by the supplier <b>(compulsory)</b> جدول الكميات والرسومات						



9. ACTED_GCC_ is attached, filled, signed and stamped by the supplier الشروط العامة (compulsory) والخاصة					
10. ACTED – General Specification المواصفات العامة (compulsory) is attached, filled, signed and stamped by the supplier					
11. ACTED-Technical Specification is attached, filled, signed, and stamped by the supplier (compulsory) المواصفات الخاصة الهندسية					
12. Annexes-ACTED (compulsory) المرفقات والتفصيلات					
13. Tender entry guarantee worth 5,000 US \$ as bank a guarantee valid for 90 days starting from the closing date of the tender or a certified check bank كفالة دخول عطاء بقيمة ٥٠٠٠ دولار بصورة كفالة بنكية او شيك بنكي حيث لا تقبل الشيكات الشخصية					

Name & Position of Bidder's authorized representative الوصف الوظيفي للمورد والممثل الرسمي للشركة

Authorized signature

التوقيع



# **Bidding Document for Emergency Project**

## **2020-2021**

## **Section I. General Conditions of Contract**

These General Conditions of Contract, read in conjunction with the Particular Conditions of Contract and other documents listed therein, should be a complete document expressing fairly the rights and obligations of both parties.

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## General Conditions of Contract

### A. General

#### 1. Definitions

- (a) **The Works** means the execution and completion of the supply, delivery, installation of the emergency response supplies and the remedying of any defects. Works are what the Contracting authority requires the Contractor to construct, install, and hand over to ACTED.
- (b) **The Bill of Quantities** means the priced and completed Bill of Quantities forming the Bid.
- (c) **The Completion Date** is the date of completion of the works as certified by the Project Technical Officer.
- (d) **The Contractor** is the party whose bid selected to carry out the works has been accepted by the contracting authority (ACTED).
- (e) **The Contract** is the contract between the contracting authority (ACTED) and the contractor to execute, complete, and maintain the works.
- (f) **The Contractor's Bid** is the completed bidding document submitted by the contractor to the contracting authority (ACTED).
- (g) **Days** are calendar days; **Months** are calendar months
- (h) **Drawings** mean the drawings of the works, as included in the contract, and any additional and modified drawings issued by (or on behalf of) ACTED in accordance with the contract, include calculations and other information provided or approved by the project manager/technical Officer
- (i) **A Defect** is any part of the Works not completed in accordance with the contract or not matching the technical specification, drawings and technical officer's instructions.
- (j) **Equipment** is the contractor's machinery, consumables and vehicles brought temporarily to the site to construct the works
- (k) **Materials** are all supplies including the 2 tender batches, , used by the contractor for incorporation in the works.



- (l) **The Project Manager** is the person named in the contract (or any other competent person appointed by ACTED and notified to the contractor) who is responsible for payments, project progress and administering the contract.
- (m) **The Project Technical Officer** is the person named in the contract (or any other competent person appointed by ACTED and notified to the contractor) who is responsible for supervising technically the execution of the Works and inspecting the implementation of the work to make sure it is completed in accordance with the technical requirements.
- (n) **Specification** means the specifications of the works included in the contract and any modification or addition made or approved by the project manager & technical officer.
- (o) **A Subcontractor** is a person or corporate body who has a contract with the contractor to carry out fully/a part of the works in the contract, which could include materials manufacturing, transporting, delivery and installation or any needed works on the site.
- (p) **A Variation** is an instruction given by the Project Manager/Technical Officer which varies the Works.

## 2. Interpretation

2.1 In interpreting these general conditions of contract, words indicating one gender include all genders. Words indicating the singular also include the plural and words indicating the plural also include the singular. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined.

2.2 The documents forming the Contract shall be interpreted in the following order of priority:

- (a) Framework Agreement
- (b) Awarding Letter
- (c) Contractor's Bid
- (d) Particular Conditions of Contract
- (e) General Conditions of Contract
- (f) Specifications
- (g) Drawings

- (h) Bill of Quantities
  - (i) Others if needed.
- 3. Language and Law**
  - 3.1 The language of the contract is English .The law that applies to the Contract is the law(s) in effect in parts of the West Bank and Gaza under the jurisdiction of the Palestinian Authority
- 4. Delegation**
  - 4.1 The Project Manager/Technical Officer may delegate any of their duties and responsibilities to other partner (ACF, GVC, PUI), after notifying the contractor, and may revoke any delegation after notifying the contractor.

## B. Works Control

- 5. Materials Supply, delivery and Installation**
  - 5.1 The Contractor shall supply and install the supplies in accordance with the technical specifications and drawings respecting very strictly field delivery / installation guidelines and instructions. The contractor commits to supply, deliver and install the ordered material based on the drawings and specification included in the BOQs completely to the assigned sites.
  - 5.2 The contractor commits to follow strictly the instructions of contracting authority in case of security/legal concerns related to the delivery and installation of some orders. If needed the contractor commits to deliver the order materials outside the assigned site and send workers paid by him inside the site in order to help with installation. In addition the contractor commits to reimburse another party that ACTED assign to transport/Install the order supplies if needed
- 6. Subcontracting**
  - 6.1 The Contractor commits to subcontract person/corporate to carry out fully/a part of the works in the contract, which could include materials manufacturing, transporting, delivery and installation or any needed works on the site. This subcontracting body is supposed to be located in the opposite area of the contractor's manufacturing location. For example, if the contractor manufacturing spot is located in the north of West Bank, the contractor should be subcontracting another manufacturing company in the south of West Bank, and vice versa. The subcontracting agreement between the contractor and the subcontractor should be covering the same agreement period between ACTED and the contractor. Subcontracting agreement would be subject to the contracting authority technical inspection to check the subcontractor full ability of executing the works as needed. The cases were the contractor is allowed to delegate part/the full works to the subcontractor would be



defined and validated by the project manager.

**7. Stockpiling  
and buffer  
Stock**

The contractor is requested to constantly have buffer stocks, ready to be delivered and installed on demand. When an emergency phase is triggered by ACTED, ACTED will notify the contractor of the new buffer stock levels to have within a given period of time for a selection of items. Emergency phases can be triggered by ACTED at any time. When an emergency phase is triggered, it is expected that the contractor will be able to produce the following quantity of items per day:

- Emergency phase 1: 5 units of each size of residential and livelihood tents, 4 units of latrines, 50 water tanks, 10 units of each of the following livelihood equipment items: barriers, drinkers and troughs.
- Emergency phase 2: 10 units of each size of residential and livelihood tents, 10 units of latrines. The emergency phase 2 involves a 20% cost increase for the 6th to 10th identical tent items produced per day, and a 10% cost increase for the 6th to 10th latrines produced per day.

The agreed buffer stock levels will be formalized at the contracting stage, the contractor commits to keep the needed quantities matching the phase activated by the contracting authority

**8. Not-contracted  
Materials or  
Works**

1.1 The Contracting authority may seek a quotation from the contractor's side in case of proposed Not-contracted Materials or works which are not included in the BOQs.

1.2 The Contractor shall be responsible for respecting the specifications, drawings of the Not-contracted Materials or Works and guidelines of the contracting authority.

1.3 Contractor offer for the execution of the Not-contracted materials or works, are subject to prior approval of the Project Manager/Technical Officer. The Contracting authority may assign the works execution to other party if needed.

**9. Access to the  
Site**

The Contractor shall allow the Project Manager and Technical Officer and any person authorized by the contracting authority access to the site and to any place where work in connection with the Contract is being carried out or is intended to be carried out.

**10. Raw Materials**



**Origin/Alternatives** The Contractor should declare in the bidding docs the manufacturing raw materials origin and the alternative course in case of contractor's inability to obtain the raw materials from the original source.

### **C. Time Control**

**11. Works  
Timeframe &  
Delays  
Ordered by the  
Project  
Supervisor**

11.1 The contractor commits to complete the works by the Intended completion date: The contractor may commence execution of the works on the Start date and shall carry out the Works in accordance with the schedule defined by the Contractor, as updated with the approval of the Project Manager, and complete them by the Intended completion date. Any delay in executing the works is subject to penalties. The Project Manager/Technical Officer may instruct the contractor to delay the start or progress of any activity within the works. Unless exceptional circumstances (risky area, difficult topography, communication difficulties with beneficiaries, etc.), the Intended completion date should be set no later than 7 calendar days after the purchase order has been made.

**12. Management  
Meetings**

12.1 Either the Project Manager/Technical Officer or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.

12.2 The Project Manager/Technical Officer shall record the business of management meetings and provide copies of the record to those attending the meeting. The responsibility of the parties for actions to be taken shall be decided by the Project Manager either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.

**13. Early Warning**

13.1 The Contractor shall warn the contracting authority at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work, increase the materials price, or delay the execution of the works. The Project Manager/Technical Officer may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Contract Price and Completion Date. The estimate shall be provided by the Contractor as soon as reasonably possible.

13.2 The Contractor shall cooperate with the Project Manager/Technical Officer in making and considering proposals



for how the effect of such an event or circumstance can be avoided.

## **D. Quality Control**

- 14. Identifying Defects**      14.1 The Project Manager/Technical Officer shall check the Contractor's work and notify the contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Project Manager/Technical Officer may instruct the contractor to search for a defect and to uncover and test any work that the Project Manager/Technical Officer considers may have a defect.
- 15. Tests**      15.1 If the Project Manager/Technical Officer instructs the Contractor to carry out a test not specified in the specification to check whether any work has a Defect and the test shows that it does, the contractor shall pay for the test and any samples.
- 16. Correction of Defects**      16.1 The Project Manager/Technical Officer shall give notice to the contractor of any defects, and the Contractor should repair and fix it even after installation.
- 16.2 Every time notice of a defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Project manager's notice. Unless exceptional circumstances, the Defect should be fixed within 15 calendar days of the notification.
- 17. Uncorrected Defects**      17.1 If the Contractor has not corrected the defect within the time specified in the Project Supervisor's notice, the Project Manager shall assess the cost of having the defect corrected, and the contractor shall pay this amount, if not it would be deducted from his payment balance.

## **E. Cost Control**

- 18. BOQs Price**      18.1 The Bill of Quantities shall contain priced items for the works to be performed by the Contractor. The Bill of Quantities is used to calculate the purchase order price. The Contractor will be paid for the quantity of the work accomplished at the rate in the Bill of Quantities for each item.
- 18.2 Any delay in executing the works is subject to penalty charge equal 0.2% of the total amount of the Purchase Order per day but not exceeding 10% of its total amount.
- 19. Variations**      19.1 All Variations shall be included in updated agreement, and also in the activity schedule, produced by the Contractor.



19.2 The Contractor shall provide the contracting authority with a quotation for carrying out the variation when requested to do so. The Project Manager/Technical Officer shall assess the quotation, which shall be given within seven (7) days of the request or within any longer period stated by the Project Manager/Technical Officer and before the variation is ordered.

19.3 If the Contractor's quotation is unreasonable, the contracting authority may order the Variation and make a change to the Contract Price, which shall be based on the Project Manager's own forecast of the effects of the Variation on the Contractor's costs.

19.4 If the Project Manager/Technical Officer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the variation shall be treated as a compensation Event.

19.5 The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning.

## **20. Payment**

20.1 The Contractor shall submit to the contracting authority payment request along with delivery of the value of the works completed.

20.2 The contracting authority shall check the contractor's payment requests and certify the amount to be paid to the contractor, endorsed with the Project Manager.

20.3 The value of work executed shall be determined by the Project Manager.

20.4 The value of work executed shall comprise: the value of the quantities of work in the Bill of Quantities that have been completed

20.5 The value of work executed shall include the valuation of variations and compensation events.

20.6 ACTED will start processing the payment of an completed order after six months of supplies installation, and after the Project Manager/ Technical Officer endorsement.

## **21. Tax**

21.1 The contractor should provide value added exempted payment requests to the contracting authority. Any unexampled payment request will not be considered. The contracting authority will not cover the cost of any taxes related to the supplies ordered.

## **22. Currencies**

22.1 Payments are made in currencies of BOQ ( USD\$)





**23. Cost of Repairs**

23.1 Loss or damage to the Works or Materials to be incorporated in the Works between the start date and the end of contract including the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost.

**F. Finishing Works**

**24. Completion**

24.1 The Contractor shall request the Project Manager/Technical Officer to issue a certificate of Completion/Reception voucher of the works endorsed, and the Project Manager/Technical Officer shall do so upon deciding that the whole of the Works is completed. The certificate of Completion/Reception voucher is only valid if the Project Manager has signed it, and the Contractor has signed and stamped it.

**25. Termination**

25.1 ACTED may terminate the Contract if the other party causes a fundamental breach of the Contract.

25.2 Fundamental breaches of Contract shall include, but shall not be limited to, the following:

- (a) The Contractor stops work (stoppage has not been authorized by the Project Manager).
- (b) The Project Manager/Technical Officer instructs the contractor to delay the progress of the works.
- (c) the Project Manager/Technical Officer gives notice that failure to correct a particular defect is a fundamental breach of Contract and the Contractor fails to correct it within a specific period of time determined by the Project Manager

25.3 If the Contract is terminated, the Contractor shall stop work immediately, make the Site safe and secure, and leave the Site as soon as reasonably possible.

**26. Payment upon Termination**

If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Project Manager/Technical Officer shall issue a certificate for the value of the work done and Materials ordered less advance payments received up to the date of the issue of the certificate and less the percentage to apply to the value of the work not completed. All Materials on the Site, Temporary Works, and Works shall be deemed to be the property of the beneficiary if the Contract is terminated because of the Contractor's default.

**G. Safety Control**



**27. Activities and  
Equipment  
Safety**

The Contractor shall be responsible for the safety of all activities on the Site. . The contractor is responsible for the safety of his own equipment. The contracting Authority will not held responsible for any loss or damage of the contractors equipment

**28. Contractor's  
Risks**

From the Starting Date until the Defects Liability Certificate has been issued, the risks of personal injury, death, and loss of or damage to property (including, without limitation, the Works, Materials, and Equipment) are Contractor's responsibility

**29. Discoveries**

Anything of historical or other interest or of significant value unexpectedly discovered on the site shall be the defined and reported to the contracting authority. The contractor shall carry out the contracting authority's instructions for dealing with them.

## Section II. Particular Conditions of Contract

The Agency is: <b>ACTED</b>
The Project Supervisor is <b>Eng. Muhammad Abu-Rajab / ACTED</b>
The Site is located at <b>Area C – West Bank - Palestine</b>
The Start Date shall be considered as per the date of the purchase order sent to the contractor
The language of the contract is <b>English</b>
The law that applies to the Contract is <b>the law(s) in effect in parts of the West Bank and Gaza under the jurisdiction of the Palestinian Authority</b>
The Supervisor <b>may</b> delegate any of his duties and responsibilities.
The Contractor shall supply and install the required materials within <b>1-3 days</b> from the purchase order date.
The Contractor shall deliver the required response to the selected site and install it, under any conditions or circumstances (political, climate change .etc.)
The Defects Liability Period is: <b>365 days from the date of certificate of completion of the works</b>
The currency of the Employer's country is: <b>US Dollar</b>
The Performance Security amount to be provided by the contractor is <b>10%</b> of total of the completed purchase orders in dollar
ACTED will start processing the payment of an implemented order ( Supplied and installed ) <b>after three months from installation</b> , and after the Project Supervisor
ACTED will not process any payment, if the contractor didn't deliver the required supplies to the selected area.
Delivering the supplies without installation is not allowed by the ACTED unless expectantly validated by project Supervisor
In such cases ACTED will deduct 25% from the supplies price, if the contractor delivers the required response without installation.
The Contractor shall submit a maintenance bank guarantee, which is <b>5 %</b> of total contract price for <b>one year</b> after installation.
ACTED is not committed with the number of items in each BOQ.



# **General Specifications & Performance Requirements**

# SECTION ONE : GENERAL

## 1. Scope of work

These specifications cover the technical issues of the bid.

## 2. Drawings

### 2.1 Tender Drawings

The required number of contract Drawings are available at the date of Tender and are included in the list of Drawings attached to these Specifications. All work shall be performed in accordance with the Drawings Furnished together with the Contract Documents and any such additional drawings as may be issued by the Project Supervisor from time to time during the progress of the work or by the contractor as directed by the Engineer. Additional drawings which are required will be furnished to the Contractor in due time so as to enable him to perform the work shown thereon in its proper sequence and for any advance planning that may be necessary for the efficient performance of such work. The Project Supervisor will decide in such instance whether additional drawings are required for advance planning of the works and determine the time required for the same, and may request the Contractor to prepare such drawings.

### 2.2 Shop Drawings

If at any time before the commencement or during the progress of the work it appears to the Contractor that for the proper execution of a specific part of the Works, shop Drawings are necessary, these Drawings shall be prepared by the Contractor at his own expense and submitted to the Project Supervisor for approval. On the other hand, the Project Supervisor shall have authority to order at any time and the Contractor agrees to provide at his own expense any number of shop Drawings which, in the opinion of the Project Supervisor are necessary for the proper execution of a specified work. The Contractor shall not proceed with the above mentioned work unless these shop Drawings are approved by the Project Supervisor.

## 3. ABBREVIATIONS OF STANDARDS

The following abbreviations covering the Standards used for the works under the Contract shall have the significance set forth opposite each:



BS	British Standards Specifications
CP	Code of Practice
ASTM	American Society for Testing and Materials
ISO	International Standard Organization
LS	Local Standards

#### 4. STANDARDS

The works have been designed to incorporate and utilize economically goods, materials and workmanship to various specifications which are detailed herein. Reference is commonly made to British Standards (BS) and British Standard codes of practice (CP) and local standards (LS) and to the American Society for Testing and Materials Standards (ASTM). Different national or international standards (DIN or ISO etc.) that correspond to the specified Standard may be used provided that their requirements are not less stringent, and provided that the Contractor presents copies of such Standards translated into English. If any redesign of the works is necessitated by the adoption of such alternatives the costs incurred shall be borne by the Contractor. Those references shall in every case be deemed to include the latest edition or issue of such standards.

#### 5. UNITS OF MEASUREMENTS AND ABBREVIATIONS

All units of weights and measurements shall be based on the Metric System of Weights and Measurements except standard products which may be expressed in nominal units of the Imperial System.

The metric terms and symbols occurring in the contract Documents are based on the “System International d’Unites” (SI System).

Abbreviation	Description
-----	-----
LM	Linear Meter
SM	Square Meter
CM	Cubic Meter
KG	Kilogram
TON	1000 Kilogram
MM	Millimeter
CM	Centimeter
M	Meter
LS	Lump Sum

#### 6. DEFINITIONS

Wherever the words defined in this section or pronouns used in their stead occur in the Contract Documents, they shall have the meanings herein given.

As Directed, as Required, etc.



Wherever in the contract documents, or on the drawings, the words “as directed”, as described “as ordered, “as requested,” as required” “as permitted” or words of like import are used, it shall be understood that the direction description, order request requirements or permission of the Project Supervisor is intended. Similarly, the words approved, acceptable satisfactory and words of like import shall mean approved by acceptable to or satisfactory to the Project Supervisor.

# Approved

This word when applied by the Project Supervisor to the Contractor’s drawings or documents shall mean that the drawings or documents are satisfactory from the standpoint of interfacing with contractor’s furnished components of the installations, and/or that the Project Supervisor have not observed any statement or feature that appears to deviate from the specification’s requirements. Except for the interfacing with the contractor’s furnished components, the contractor shall retain the entire responsibility for complete conformance with all of the Specification’s requirements.

## 7. INCONSISTENCY IN CONTRACT DOCUMENTS

The contractor shall execute the works according to the provisions of the contract documents. Any work indicated in one of the documents but omitted and/or not stated in one or more of the other documents shall be treated as though it were included in all of them.

If any two documents of the contract conflict as to the quantity of the work to be carried out, the discrepancy shall be brought to the notice of the Project Supervisor, who shall instruct the contractor which of the two conflicting documents to regard as correct.

If the contractor should discover that any work has been omitted and/or not indicated entirely or partially from all the documents, but that such work is essential to the safely or proper functioning of the works, he shall report the facts immediately to the Project Supervisor. If the work is something which in the opinion of the Project Supervisor could not have been foreseen by an experienced contractor, the Project Supervisor shall issue to the contractor a variation order stipulating the details of the work to be done.

Save as aforesaid in the above paragraph, no additional payment shall be made in respect of work carried out in connection with discrepancies between the various contract documents.

## 8. ERRORS IN COMPUTING CONTRACT DOCUMENTS

The contractor shall be responsible for any error which he makes in computing any quantities of material and labor required or costs involved or through any lack of knowledge of the site of misunderstanding of anything shown or implied on the drawings or in the specifications and/or the bills of quantities.

The contractor must refer any discrepancy in the drawings or the specifications to the Project Supervisor before proceeding in any of the works. The decision of the Project Supervisor as to the interpretation of the discrepancy will be final.

Any item or items of work not specifically shown on the drawings or referred to in the specifications but which would be necessary for the proper construction of the works in accordance with the best practice is implied and must be included for as incidental to the

contract price. Any item for which the contractor has not inserted a price in the Bills of quantities shall be deemed to be covered by other prices or rates therein.

## **9. TEMPORARY WORKS AND REINSTATEMENT**

The contractor shall provide and maintain all temporary roads and tracks necessary for movement of plant and materials and clear same away at completion and make good all works damaged or disturbed.

The contractor shall submit drawings and full particulars of all temporary works to the Project Supervisor before commencing same. The Project Supervisor may require modifications to be made if he considers them to be insufficient and the contractor shall give effect to such modifications but shall not be relieved of his responsibilities for the sufficiency thereof.

The contractor shall provide and maintain weatherproof sheds for storage of materials pertinent to the works both for his own use and for the use of the employer and clear same away at the completion of the works.

The contractor shall divert as required, at his own cost and to the approval of the Project Supervisor, all public utilities encountered during the progress of the works, except those specially indicated on the drawings as being included in the contract.

Where diversions of services are not required in connection with the permanent works, the contractor shall uphold, maintain and keep the same in working order in existing locations.

The contractor shall make good, at his own expense, all damage to telephone, telegraph and electric cables or wires, sewers, water, or other sewers, except where the public Authority or private party owning or responsible for the same elects to make good the damage. The cost incurred in so doing shall be paid by the contractor to the public Authority or private party on demand.

All injury to the surface of the land, to the beds of water-courses, projecting banks, etc., where disturbed by the works (other than where specifically ordered by the Project Supervisor) shall be repaired by the contractor or the authorities concerned, at the contractor's expense. All such making good shall be to the approval of the Project Supervisor.

The requirements detailed above shall be provided and maintained at the expense of the contractor.

The employer shall not be liable for loss or injury to any temporary works.

## **10. EXISTING FACILITIES**

The existing facilities services must be kept in continuous operation throughout the construction period. No interruption will be permitted which adversely affects the degree of service provided. Provided permission is obtained from employer and Project Supervisor in advance, portions of the existing facilities may be taken out of service for short periods corresponding with period of minimum service demands. Such permission will not relieve the contractor of any of his responsibilities under this contract.

## **11. LINES AND GRADES**

The contractor shall keep the Project Supervisor informed, a reasonable time in advance, on the times and places at which he intends to do work, in order that lines and grades may be





established and necessary measurements for record and payment made with a minimum of inconvenience to the Project Supervisor or delay to the contractor. The contractor shall have no claim for damages or extension of time on account of delays in the giving of lines and grades, making record measurements or destruction of such marks and the consequent necessity for replacement.

The Project Supervisor will furnish the contractor with such basic lines and grades as he, the Project Supervisor, deems necessary, but this shall not be construed to mean all lines, grades, elevations and measurements. It shall be the contractor's responsibility before commencing any section of the work to establish and locate the permanent bench marks to be used through proper survey procedures. The contractor shall refer all temporary bench marks thereto.

The contractor shall be responsible for the stake-out survey for construction purposes and the replacement of monuments and property markers disturbed by the work. The survey shall proceed in advance of the construction at a rate satisfactory to the Project Supervisor. The contractor shall keep the Project Supervisor fully informed as to the progress of the stake-out survey.

The exact position of all work shall be established from control points which are established by the contractor and approved by the Project Supervisor if necessary the Project Supervisor may modify such points. Any error, apparent discrepancy or omission in the data shown or required for accurately accomplishing the stake-out survey shall be referred to the Project Supervisor who shall take whatever corrective measures he deems necessary.

The contractor shall be responsible for the accuracy of his work and shall maintain all reference points, stakes, etc., throughout the life of the contract. Damaged, destroyed or inaccessible reference points, bench marks or stakes shall be replaced by the contractor. Existing or new control points that will be or are destroyed during construction shall be re-established and all reference ties recorded therefore shall be furnished to the Project Supervisor. All stake-out survey work shall be referenced to the bench mark and manhole centers given by the Project Supervisor.

All computations necessary to establish the exact position of the work from control points shall be made and preserved by the contractor. All computations, survey notes and other records necessary to accomplish the work shall be neatly prepared and made available to the Project Supervisor upon request or furnished upon contract completion.

All instruments, equipment stakes and other material necessary to perform the work shall be provided by the contractor.

All stakes used shall be of a type acceptable to the Project Supervisor, clearly and permanently marked so as to be legible at all times. It shall be the contractor's responsibility to maintain these stakes in their proper position and location at all times. Any existing stakes or markers defining property lines and survey monuments which may be disturbed during construction shall be properly tied in to fixed reference points before being disturbed and accurately reset in their proper position upon completion of the work.

The Project Supervisor may check all or any portion of the stake-out survey work or notes made by the contractor and any necessary correction to the work shall be immediately made. Such checking by the Project Supervisor shall not relieve the contractor of any responsibilities for the accuracy or completeness of his work.

## **12. WATER FOR THE WORKS**

The contractor shall provide all necessary water for the works and tests, with all temporary plumbing and storage, pay all charges, and alter, adapt and maintain temporary work as necessary and remove and make good at completion.

## **13. ELECTRICAL POWER AND LIGHTING FOR THE WORKS**

The contractor shall provide all necessary artificial lighting and power for the execution and security of the works and for protection, with all meters, temporary wiring and fittings, etc., pay all charges, and alter, adapt and maintain the temporary work as necessary and remove and make good at completion.

## **14. MEDICAL FACILITIES**

The contractor shall arrange for medical attention to be available when necessary and shall provide dressing stations complete with all adequate first aid equipment within easy access of each works area on the site. The contractor shall display in suitable places the names of his employees who are available from time to time to render first aid. The contractor shall provide for the transport of serious cases to the nearest hospital.

## **15. CUSTOMS AND LOCAL DUES**

All state dues, tolls rates, duties, fees and charges in connection with the works shall be deemed to be included by the contractor in his contract unit Rates.

## **16. MATERIALS, GOODS AND WORKMANSHIP**

Materials, goods and workmanship shall be of the best quality of their respective kind. The contractor shall carry out everything necessary for the proper execution of the works, whether or not shown on the Drawings or described in the specifications.

## **17. SPECIFIED MANUFACTURER'S PRODUCTS**

Manufacturer's name or catalogue number, if shown in the specification or indicated on the Drawings, are given only for indicative purpose and for general reference only. It shall be understood that the actual material supplied shall meet the requirements of the specifications, and if necessary, the material specified under such manufacturer's name or catalogue indicated for reference, shall be modified under the direction of the Project Supervisor.

Provided always that such modified material shall meet the requirements of the specified material together with the requirements of other materials specified for other trades in these specifications under the direction of the Project Supervisor.

Any modification under such conditions shall not give the right to the contractor to claim against any loss or extra cost incurred.

## **18. ALTERNATIVE MATERIALS**

Should the contractor wish to offer alternative items or materials to those specified he shall supply details of such alternatives together with details of any reduction in the contract price should the alternative be allowed to be substitute for the specified items or materials. All offered alternatives shall comply fully in all respects with the specifications of the particular items or materials. Acceptance or refusal of such alternatives will be entirely at the discretion of the Project Supervisor.

If during the course of the contract certain materials or items required for use in the works should be unobtainable, despite the best effort of the contractor, the contractor may offer for the approval of the Project Supervisor alternative materials or items, provided that they possess the minimum requirements of the originally specified material.

In the event of acceptance of any alternative materials or items a suitable price reduction shall be made in respect of any decrease in value but no price addition shall be made in respect of increase in value.

In the event of refusal of any alternative materials or items the contractor shall not be relieved of any of his obligations under the contract and shall be solely liable for any delay or loss occasioned by his failure to provide the material or items as specified.

## **19. PERIODIC REPORTS**

The contractor must present to the Project Supervisor's representative detailed reports and schedules as stipulated in the conditions of contract.

The contractor shall prove to the Project Supervisor's representative upon his request the correctness of the above mentioned reports without having the right to use such documents to support a claim for any extra payment or compensation whatsoever in regard or in relation to such reports.

## **20. SITE PROGRESS MEETINGS**

During the course of the work, site progress meetings shall be held at regular intervals at least once every week in the presence of the Project Supervisor for the purpose of coordinating the contractor's works and to insure that full compliance with the various sequences of the contract are maintained. Minutes of such site meetings will be recorded, copies will be distributed to all persons concerned and full effect shall be given to all instructions contained herein.

Prior to such meetings the contractor shall give to the Project Supervisor's representative details in writing of that portion of the works he proposes to construct during the coming two weeks with details of the plant and methods he proposes to employ. These proposals shall be discussed at the meeting and no work based on such proposal shall proceed without the approval of the Project Supervisor's representative.



The contractor shall have no claim against the employer for costs incurred by him in changing the method of working or in the provision and use of other additional plant.

## **21. CANCELLATION DUE TO SLOW PROGRESS**

If the Project Supervisor shall be of the opinion that having regard to the state of the works at any time, the contractor will be unable to complete any section of the works by the time specified or by such extension thereof as he may be entitled to under the contract and the contractor has failed to carry out steps and to expedite the work in accordance with the conditions of contract or, if the Project Supervisor is of the opinion that such steps are inadequate, the Project Supervisor may by written order omit the whole or any part of the uncompleted work included in that section and the employer shall be at liberty to execute such omitted work by his own workmen or by other contractors. If the cost of such omitted or uncompleted work shall exceed the sum which would have been payable to the contractor on due completion of the said work, then the contractor shall, upon demand, pay to the employer the amount of such excess and it shall be deemed a debt due by the contractor to the employer and shall be recoverable accordingly.

## **22. PROTECTION FROM WEATHER AND FLOODS**

The contractor shall keep the works well drained until the Project Supervisor certifies that the whole of the works is substantially complete and shall ensure that so far as is practicable all work is carried out in the dry. Excavated areas shall be kept well drained and free from standing water.

The contractor shall construct, operate and maintain all temporary dams, watercourses and other works of all kinds including pumping and well point dewatering plant that may be necessary to exclude water from the works while construction is in progress. Such temporary works and plant shall not be removed without the approval of the Project Supervisor's representative.

Notwithstanding any approval by the Project Supervisor of the contractor's arrangements for the exclusion of water, the contractor shall be responsible for the sufficiency thereof and for keeping the works safe at all times particularly during any floods and for making good at his own expense any damage to the works including any that may be attributable to flood. Any loss of production or additional costs of any kind that may result from floods shall be at the contractor's own risk. (Without any compensation)

## **23. CLEARING AWAY**

The contractor shall take down and clear away all plan and temporary works, including sheds, mess rooms, sanitary conveniences, offices, latrines, sign-boards, and other temporary works, unless otherwise described, and make good.

The contractor shall remove all existing rubbish and debris and surplus materials from the site as they accumulate and at completion, and clean all surfaces, including those of the



affected portions of the existing premises, internally and externally, remove stains and touch up paint work and polished work, and leave the works clean and to the satisfaction of the Project Supervisor at completion.

## **24. TESTS FOR WATERT LEAKAGE OF STRUCTURES**

When ordered by the Project Supervisor the structures shall be tested with water by the contractor.

The structure when filled shall satisfy the test if at the end of one week no leakage is apparent.

## **25. TESTING ON COMPLETION**

The Project Supervisor may before issuing the certificate of completion require any part of the works to be tested for conformity with the specification. Such tests shall be made at the contractor's expense.

## **26. INSPECTION**

If work to be done away from the construction site is to be inspected on behalf of the employer during its fabrication, manufacture, or testing, or before shipment the contractor shall give notice to the Project Supervisor of the place and time where such fabrication, manufacture, testing, or shipping is to be done. Such notice shall be in writing and delivered to the Project Supervisor in ample time so that the necessary arrangements for the inspection can be made.

In respect of all items of equipment and materials to be imported for incorporation in the permanent works the contractor shall submit to the Project Supervisor's representative in the English language inspection and test reports issued in the country of origin and certified by an independent inspector or inspection firm of international repute approved in advance by the Project Supervisor. The reports shall certify that all such items are in full compliance with the contract requirements and specifications and shall be accompanied by full details of sampling, inspection and test results. Each such report shall be submitted prior to the shipment of the related items to the site.

No extension of time on account of delays due to inspection shall be granted as such time as is needed for inspection shall be considered to have been considered in the schedule of the works.

Material and equipment procured within the country for incorporation in the permanent works shall be inspected at the place of origin by competent and experienced specialized personnel appointed by the contractor and approved by the Project Supervisor. Inspection and test reports certifying that the related item is in full compliance with the contract requirements and specification shall be submitted prior to its incorporation in the works.



The certification herein prescribed shall be submitted whether or not the Project Supervisor or his representative has exercised the right to witness test or make inspections at the point or origin. The Project Supervisor shall be entitled to apply the conditions of contract in respect of items not so certified. Certification shall be furnished at the contractor's expense. It shall not relieve the contractor of the obligation to ensure that all material and workmanship incorporated in the works shall be in full compliance with the contract requirements and specification at the time of final handing over of the completed works.

## **27. PROTECTION OF FINISHES**

The contractor shall take every care to prevent damage to the works from whatever cause and shall ensure that adequate protection is given to all works from the activities of following trades and nominated subcontractors. Vulnerable parts of the work particularly liable to damage shall be protected as may be reasonably required by the Project Supervisor's representative.

## **28. PROTECTIVE EQUIPMENT AND CLOTHING**

The contractor shall provide and maintain all necessary protective and safety equipment and clothing for the operative and site staff.

## **29. METHODS OF MEASUREMENT AND PAYMENT**

### **29.1 Description**

This section covers methods of measurement and payment for items of work under this contract.

The total tender price shall cover all work required by the contract documents. All costs in connection with the proper and successful completion of the work, including furnishing all materials, equipment supplies, and appurtenances; providing all construction plant, equipment, tools, testing, and performing all necessary labor and supervision to fully complete the work, shall be included in the unit price and lump sum price bid. All work not specifically set forth as a pay item in the Bill of Quantities shall be considered as subsidiary obligation of contractor and all costs in connection therewith shall be included in the prices bid.

### **29.2 Quantities**

All estimated quantities stipulated in the tender form or other contract documents are approximate and are to be used only (a) as a basis for estimating the probable cost of the work and (b) for the purpose of comparing the bids submitted for the work. The actual amounts of work done under unit price items may differ from the estimated quantities. The basis of payment for work will be the actual work done and paid using the unit price rate (re-measured). Contractor agrees that he will make no claim for damages,



anticipated profits, or otherwise on account of any difference between the amounts of work actually performed and the estimated amounts.

### **30. DEMOLISHED MATERIAL:**

The contractor shall at his expense progressively remove transport out of the site to approved dump site all surplus materials rubble and debris from the site.

### **31.QUALITY OF WORKS AND MATERIALS (SAMPLES)**

The contractor shall submit samples of materials the contractor intends to use within the project, all such materials should be tested through a competent laboratory with a wide reputation to enable the supervisor to issue his approval in due time before incorporating these materials in the work. Should in the supervisor's opinion the samples so prepared by the contractor, not meet the requirements of the specifications, the contractor shall prepare a new sample until it is approved by the Project Supervisor, such approval will never relieve the contractor from any of his obligations. All costs in connection with preparing the said works samples under the provisions of this clause shall be at the contractor's expense.

### **32.TEST'S RESPONSIBILITY**

The contractor shall be responsible for all the obligations in concern with tests required throughout the specifications and the supervisor's instructions, tests shall be made at the contractor's expense, obligations in concern of the tests needed for quality control arrangements, all the tests should be carried out by a competent laboratory having a very wide reputation and to be in previously approved by the supervisor. If the result of any of the tests required does not meet entirely or partially the technical specification, all the defected works should be removed and replaced making good and retested, the contractor shall bear the full responsibility of the entire obligations of the costs of removal, replacing, making good, test expenditures at the contractor's own expense.

### **33.SITE INVESTIGATION**

The contractor shall be deemed to have visited the site of works and satisfied himself to the nature of the ground and made himself conversant with the local condition to be encountered during the execution of each contract, and his unit rates in the bill of quantities have included all the necessary cost to execute the works.



# Technical Specifications

## 1. CONCRETE





### **1.1 General**

Unless otherwise authorized by the Project Supervisor, concrete shall be machine mixed. The mixing of concrete or mortar shall not be permitted when the temperature is above 40 C or when the temperature is below 5 C.

### **1.2 Mixing on Site**

- Concrete shall be thoroughly mixed in a batch mixer conforming to the requirements of B.S. 1305 Batch type concrete mixers which will ensure a uniform distribution of the materials throughout the mass.
- All concrete shall be mixed for a period of not less than 1 ½ minutes after all materials, including water, are in the mixer. During the period of the mixing the mixer shall operate at the speed for which it has been designed, but this speed shall be not less than 14 nor more than 20 revolutions per minute.
- The first batch of concrete material placed in the mixer shall contain sufficient excess of cement, sand and water to coat the inside of the drum without reducing the required mortar content of the mix. Upon the cessation of mixing for a considerable period, the mixer shall be thoroughly cleaned.

## **2. METAL WORKS**

### **2.1 Scope**

- These specifications cover ferrous and non-ferrous works intended to be used in the project; all in accordance with the Drawings and as directed by the Project Supervisor.
- The contractor shall ensure of all dimensions on the site and clear them in detailed shop drawings for approval by the Project Supervisor.
- The contractor should provide the Project Supervisor with detailed shopdrawings for aluminum works that will be installed, in addition to providing samples of profiles, method of statement, accessories and hardware in order to have a written approval prior to starting.

### **2.2 Materials**

#### **2.2.1 Steel**

Steel plates, and structural steel shaped sections shall conform to the requirements of edition for structural sections.

#### **2.2.2 Aluminum**

The Aluminum used should be approved type by the Palestinian Standards Institute, as indicated in the specifications and Bill of Quantities.



### **2.2.3 Bolts, Nuts and Washers**

- Bolts and nuts shall conform to the requirements of (British Standard) B.S. 4190: I.S.O. metric black hexagon bolts, screws and nuts. (PTA Brand)
- Plain washers shall be made of steel. Taper or other specially shaped washers shall be made of steel or malleable cast iron and shall conform to the requirements of B.S. 4320, metal washers for general Project Supervising purposes.

### **2.2.4 Galvanized Steel Pipes**

Galvanized steel pipes shall conform to the requirements of B.S. 1287 - I.S.O. "Medium Series".

## **2.3 Description of Steel**

- Steel to be used for all the works must be new and have never used before and must be free of rust and crusts. The steel bar, beam or plate should not be welded pieces but one unit.
- The steel profiles and tubes used should be sound and free of defects like buckling, bending, and cracking or other. The tolerances in sections of steel shall not more than 0.30 mm for thickness and 0.50 mm for other dimensions.

## **2.4 Description of Aluminum**

- All of aluminum profiles should be according to the drawings and not be less than the following:
  1. The thickness of aluminum profiles used for sliding doors and windows should not be less than (2mm±0.1)
  2. The thickness of aluminum profiles used for hinged doors and windows should not less than 2 mm.
  3. The thickness of powder coating at profile should not less than 60 micron at least.

## **2.5 Manufacturing and fixing of steel works:**

### **2.5.1 General**

- The Contractor shall be responsible for the correctness and accuracy of the dimensions of the finished items. He shall therefore carefully check the dimensions indicated on the Drawings, verify any change and ascertain the sizes on the site which will enable him to prepare final working drawings for fabrication and erection purpose.
- Such drawings shall be submitted to the Project Supervisor for his verification and approval.
- Fabrication orders can only take place after the contractor obtains, in writing, the approval of the Project Supervisor for the drawings.

### **2.5.2 Hollow Metal Door Frames**

Hollow metal door's frames shall be made of the profiles and sizes shown on the drawings and obtained from an approved manufacturer. The door frames shall be with minimum 3.0 mm thick, twice laminated steel sections and be delivered to site complete with a factory applied anti-corrosive plastic coating, ties cast to backs of frames for building in and rubber silencers on the frame.



## **2.6 Workmanship**

### **2.6.1 Aluminum elements**

- The glass used should be transparent glass with a thickness of 4 mm or if stated otherwise.
- The Aluminum used is coated with hot dipped polyester powder (paint thickness should not less than 60 microns).
- Aluminum should be colored type and color choice as instructed by supervisor Project Supervisor.
- Those screws should have enough size and length to fix the frames strongly as required and the approval of Project Supervisor.
- The hardware and accessories should be made of aluminum (Allen key corners, rails, locks, handles... etc.) of the same type of profiles required and shall be of solid hardware durable and shaped.
- The used wheel rollers should be spherical ball bearing.
- The locks should be secured and from approved type by the Project Supervisor.
- The closing kit and tapes used to prevent water and air leakage.
- The Project Supervisor approval should be obtained for the color and appearance of the coating surface of aluminum before industrialization and supplying materials.
- Gap spaces between aluminum and architectural openings for doors and windows should be packed with a silicon paste injected from both sides to ensure full closure. The color of silicon must be fit to the color of aluminum.
- The contractor is responsible for all works of aluminum during and after installation until handing over the project.
- Installation of glass must be using strip of rubber between aluminum and glass from inside and outside.

### **2.6.2 Steel elements**

- All steel works should be done with professional manner and welding must be hidden, not appeared on the face and polished.
- All steel parts shall be accurately set out, cut, framed, assembled and executed using proper bolts or welding electrodes.
- All cut parts shall be sawn cut; no oxygen burning shall be permitted except for pipe supports.
- All welding shall be electrical welding, clean and of proper workmanship. All cut parts and welded sections shall be ground, even and filed smooth with rounded edges.
- No allowable showing any signs of knocks or any type of cavity in steel and should be all contact links arbitrator well without leaving any vacuum or clear signals welding redundant on the face
- Costs of making holes well done and recovered are responsible of contractor with his own costs.
- Making doors and windows accurately and proficiently duly taking into account that are made all welding by professionals and skilled labors with expertise in this area, and automatically clean all welded links and to get a smooth surface without protrusions Stored all produced parts prior to installation in a dry place and the process of being transfer without scratches.



- The contractor shall provide samples of any section for approval by Project Supervisor before Fix door's frames.
- All work shall be erected plumb and true to lines and rigidly secured to walls, floors or ceilings as shown on Drawings and to the satisfaction of the Project Supervisor.
- Welding work is along the flat welding (stitching along the line of welding)

### **2.6.3 Welding**

- Welding surfaces shall be clean, free cobalt, rust and other materials that will have the opposite effect on the welding by skilled professionals with expertise in this area.
- Prohibits a welding operations in the up-normal weather conditions such rain, strong winds, or when temperatures fall to zero (0 °c), unless action was taken to ensure that the impact of these conditions on welding operations, and the approval of Project Supervisor.
- The intensity of electricity used in welding operations shall be located within the established range of welding rods, and then welding process is the movement of fluctuations consecutive start of the first welding and so close, and being removed from the slag welding operations abreast so that each layer of the welding layers completely clean before the following class action.
- Prohibits any subsequent operations for one welding process unless after the disclosure of welding by Project Supervisor and approval, and is not being disclosed mentioned before passing 72 hours after the end of operations.
- Must provide workers with masks, protective glasses and gloves, and necessary to safe them during welding operations.
- Welding work is along the flat welding (stitching along the line of welding).

### **2.7 Galvanized steel covers**

- Galvanized steel covers shall be galvanized mild steel with raised threads of Durbar pattern or similar approved by the Project Supervisor.
- The covers shall support on galvanized mild steel frames. The frames shall have mitered and welded corners, with welded fishtail anchors at not greater than 1m centers, all galvanized after fabrications.

## **3. ROOFING, WATERPROOFING AND THERMAL INSULATION**

### **3.1 Preparation**

- All surfaces must be clean sound, and free from oil, grease and all loosely adherent materials.
- Wire brush, sand blast or grit blasting may be used to remove any surplus adhered to steel.
- The contractor must submit a request for all materials for Project Supervisor approval.

### **3.2 Materials**

#### **3.2.1 Rubber**

The rubber water-stop shall be fabricated from a high-grade, tread-type compound. The basic polymer shall be natural rubber or a synthetic rubber.

### **3.3 Thermal Insulation**

Criteria, design aspects, implementation methodology and relevant materials of the thermal insulation must be according to the Palestinian Code for Energy Efficient Building and using the supplementary Guidelines.

## **4. PLUMPING AND SANITARY INSTALLATIONS**

### **4.1 Drainage and Waste Systems**

- These systems shall be subject to a water test prior to being covered and also tested for water tightness after backfilling.
- On any section of the pipe under test the head of water applied shall not be less than 3.00 meters and not greater than 6.00 meters. Tests shall be maintained for 20 minutes, and any defects shall be rectified and the test reapplied to the complete satisfaction of the Project Supervisor.