

**UNHCR**  
**SUDAN COUNTRY OFFICE - PORT SUDAN**

**PROJECT:** UNHCR WADI HALFA OFFICE NEW EXTENSION

**LOCATION:** WADI HALFA - NORTHERN STATE

**DATE:** OCTOBER 2024

**REV:** 01

The bidder must visit the site prior to submission of bid documents. The cost of this should be included/imbedded in the other items.

No.	DESCRIPTION	UNIT	QTY	RATE USD	AMOUNT USD
<b>1</b>	<b>MOBILIZATION</b>				
1.1	Mobilization of labor, materials, mobile workshop	<b>JOB</b>	<b>1</b>		
<b>2</b>	<b>SITE BACKFILLING/INTERLOCKS</b>				
2.1	Supply and backfill Compacted selected material filling, compaction at 2 layers @25 cm/2 stages 50cm, slope 2% with watering and compaction works	<b>M<sup>3</sup></b>	<b>220</b>		
2.2	Supply and fix floor interlocks tiles <b>8</b> cm thickness size, ordinary cement colored, fix with C/S mortar 1:8 <u>contract should submit the product description/sample prior to purchase, rate include all related materials, water trenches and floor works</u>	<b>M<sup>2</sup></b>	<b>360</b>		
<b>3</b>	<b>PRE-FABRICATED OFFICE CONTAINER</b>				
3.1	<b>MODULE 1:</b> Supply of pre-fabricated container unit with meters <b>10.00 L, 3.26 W and 2.60 H</b> , with partition in between as shows with drawings, Materials of: 1- Roof: 40mm shaped sandwich panel (polyurethane insulated panels) 2- Walls: 40mm shaped sandwich panel (polyurethane insulated panels/textured inside) 3- Floor: 17mm waterproof plywood covered with white ceramic tiles 4- Door: 8 PVC panel-half glazed doors (size as shows with drawings) (with auto closer) 5- windows:1 PVC window 1.20X1.00 Meters, single galzing 5mm with steel grills and 5 PVC high windows 0.50X0.50 Meters (as shows with drawings) 6- Electrical fittings: Main distribution board with main fuse / 12 LED lights / doors lights (24WATT) / 12 sockets (13A) / Acs connect / switches. connections complete. 7- Sanitary/plumbing/fixtures: 4 seats, 2 showers with mixer, 2 hand wash basin, 2 mirrors, 20x20cm ceramic tiles for toilets, floor trap for water, 4 exhaust fans, with 2% slop for surface water / connections to water line/drainage <u>Rate include transportation, gorund works,footings and installation to final location.</u> <u>Contract Must submit the product description/sample prior to manufacture.</u>	<b>LS</b>	<b>1</b>		
3.2	<b>MODULE 2:</b> Supply of pre-fabricated container unit with meters <b>9.50 L, 3.26 W and 2.60 H</b> , partitions in between as shows with drawings, Materials of: 1- Roof: 40mm shaped sandwich panel (polyurethane insulated panels) 2- Walls: 40mm shaped sandwich panel (polyurethane insulated panels/textured inside) 3- Floor: 17mm waterproof plywood covered with white ceramic tiles 4- Door: 3 PVC panel-half glazed doors (size as shows with drawings) (with auto closer) 5- windows: 3 PVC windows 1.20X1.00 Meters single galzing 5mm with steel grills (as shows with drawings) 6- Electrical fittings: Main distribution board with main fuse / 10 LED lights / doors lights (24WATT) / 10 sockets (13A) / Acs connect / switches. connections complete.	<b>LS</b>	<b>1</b>		

	7- sanitary/plumbing/ fixtures: 5 meters kitchen aluminum cabinets with accessories, 1 wash sink with tap,2 hand wash basin with tap, ceramic tiles, floor trap for water, 1 exhaust fans etc.) with 2% slop for surface water / connections to main water line/drainage  <u>Rate include transportation, gorund works, footings and installation to final location.</u>  <u>Contract Must submit the product description/sample prior to manufacture.</u>				
3.3	<b>MODULE 3:</b> Supply of pre-fabricated container unit with meters <b>9.50 L, 3.26 W</b> consist of two (02) stories (Each <b>2.60 H</b> ) include four (04) rooms with partitions in between as shows with drawings, Materials of:  1- Roof: 40mm shaped sandwich panel (polyurethane insulated panels)  2- Walls: 40mm shaped sandwich panel (polyurethane insulated panels/textured inside)  3- Floor: 17mm waterproof plywood covered with white ceramic tiles  4- Door: 4 PVC panel-half glazed doors (size as shows with drawings) (with auto closer)  5- Steel stair with walking terrace (as shows with drawings)  6- windows: 4 PVC windows 1.20X1.00 Meters single galzing 5mm with steel grills and 5 high windows 0.50X0.50 Meters (as shows with drawings)  7- Electrical fittings: Main distribution board with main fuse / 16 LED lights/doors lights (22WATT) / 16 sockets (13A) / Acs connect / switches. connections complete.  <u>Rate include transportation, gorund works,footings and installation to final location.</u>  <u>Contract Must submit the product description/sample prior to manufacture.</u>	<b>LS</b>	<b>1</b>		
3.4	<b>MODULE 4:</b> Supply of pre-fabricated container unit with meters <b>2.40 L, 2.40 W and 2.60 H</b> , ONE (01) room, Materials of:  1- Roof: 40mm shaped sandwich panel (polyurethane insulated panels)  2- Walls: 40mm shaped sandwich panel (polyurethane insulated panels/textured inside)  3- Floor: 17mm waterproof plywood covered with white ceramic tiles  4- Door: 1 PVC panel-half glazed door (as shows with drawings) (with auto closer)  5- windows:2 PVC windows 0.85X0.60 Meters single galzing 5mm with steel grills (as shows with drawings)  6- Electrical fittings: Main distribution board with main fuse / 2 LED lights (18WATT) / door light / 3 sockets (13A) / Ac connect / switches. connections complete.  <u>Rate include transportation, gorund works, footings and installation to final location.</u>  <u>Contract Must submit the product description/sample prior to manufacture.</u>	<b>LS</b>	<b>1</b>		
3.5	Supply and fabricate Roof shade with frame rectangular steel pipes 4x8cm for grids, and CGI sheeting overhead on each unit. 20cm overhang on each side, 25cm at front elevation and 20cm at back	<b>M²</b>	<b>128</b>		
<b>HAVC</b>					
<b>Rate include supply, fix, installation units of approved quality, wiring, power points and switches ...etc.</b>					
3.6	Supply and installation of Air condition <b>18.000BTU</b> split inverter type (preferred LG Inverter) rate includes all connections, wires complete. <u>Contract <b>Must</b> submit the product description/sample prior to purchase</u>	<b>No.</b>	<b>6</b>		
3.7	Supply and installation of Air condition <b>24.000BTU</b> split inverter type (preferred LG Inverter) rate includes all connections, wires complete. <u>Contract <b>Must</b> submit the product description/sample prior to purchase</u>	<b>No.</b>	<b>1</b>		
<b>4</b>	<b>EXTERNALS</b>				
<b>BOUNDARY WALLS</b>					
4.1	Excavate required depth 50cm/width 45cm for foundation, rate includes disposal of excavation to away or selected area/use	<b>ML</b>	<b>80</b>		
4.2	Supply materials and lay red bricks foundation width 40cm/height 60cm, with C/S mortar (1:8)	<b>ML</b>	<b>80</b>		

4.3	Supply materials and cast reinforced concrete (1:2:4) with <del>40</del> <b>16</b> mm steel bars for for continues foundation beams, rate to include form works, reinforced steel 25x40cm, rate to include all related works.	M <sup>3</sup>	7		
4.4	supply materials and build cement blocks walls 20cm thickness, rate include materials, labor and all related works	M <sup>2</sup>	215		
4.5	supply materials and apply wall plaster, cement/sand (1:6) mix for walls, rate include materials, labor and all related works	M <sup>2</sup>	400		
4.6	Supply and Apply quick drying paint (suitable for exterior walls) 2 layers of paint (white color) rate to include materials, labor and all related works. Contract should submit the product description prior to purchase of paint.	M <sup>2</sup>	400		
4.7	Supply and fix security wire <b>1.0</b> Meter height, Concertina Barbed Wire type 50 cm diameter on top of the perimeter wall, rate include steel supports @50cm, complete job with anti rust and paint.	ML	84		
<b>ELECTRICAL SUPPLY &amp; EQUIPMENT'S</b>					
4.8	Supply and installation of new Main distribution panel with main switch, 3 phase of approved type, covered for weather, connections to main containers inlets and main power lines.	LS	1		
4.9	Supply and installation of LED lamp, 40 watt, 4FT of approved quality (preferred Philips or similar quality) wall type, rate include wires, switches and labor	No.	7		
4.10	Supply and installation of LED lamp, 300 watt of approved quality fix on 2" metal pole at wall coners, rate include wires, switches and labor	No.	4		
5	<b>STEEL WORK/SHADES</b>				
5.1	Supply materials and fabricate steel sliding door size <b>3.50X2.25</b> Meter, with pedestrian <b>1</b> Meter door, locally made using heavy steel for door and frame, covered with <b>2.5</b> mm heavy steel sheet two sides, price include wall support, fixing, sliding rail, wheels, locking system, peep hole, anti-rust paint and final paint, etc.	No.	1		
5.2	Supply materials and fabricate steel door size <b>1.15X2.00</b> Meters, locally made using heavy steel sections for frame and door, covered with <b>2.5</b> mm steel sheet double sides, price includes fixing, locking system, anti-rust paint and final paint, etc. as attached design	No.	1		
5.3	Supply materials and fabricate vehicles parking shade <b>16.00X5.00</b> Meter, frame rectangular pipes 5x10cm,4x8cm for grids, 3" GI pipe for poles (3 meter H) frame, roof of CGI 26 gauge, complete job with anti rust paint and final paint	LS	1		
5.4	Supply materials and fabricate shade <b>6.10X7.00</b> Meter, roof insolated with insulation wool 6/8cm, frame rectangular pipes 5x10cm,4x8cm for grids, 3" GI pipe for poles (2.70 meter H) frame, roof of CGI 26 gauge, complete job with anti rust paint and final paint	LS	1		
6	<b>FRESH WATER</b>				
6.1	Provide materials and dig, lay & extend 1.0 , 3/4 , 1/2 inch PPR fresh water pipe line to serve all toilets blocks from tanks line, with all required fittings, taps & valves complete job. The rate includes provision of pipes and all needs/ requirements to implement the job properly.	LS	1		
6.2	Supply and installation of 2000 liters (HDPE) water tank on 3.25 meter steel tower, complete job with tower base and all water connections to/from line/tank.	No.	1		
6.3	Supply and installation of 2500 liters (HDPE) water tank on ground, complete job with conc. base and all water connections to/from line/tank.	No.	1		
6.4	Supply and installation of automatic water pump 1HP of approved quality complete with wiring and water connections to/from tanks/lines	No.	2		
7	<b>WASTE WATER/DRAINGE</b>				
7.1	Excavation for septic tank	M <sup>3</sup>	23		
7.2	Supply materials and cast <del>concrete</del> <b>Septic tank: 2.50X3.60X2.50</b> Meter, walls of R.conc. lining with two separation walls in middle, C/S plaster with the ratio 1:3, Bed and cover R.conc with two manhole opening and steel covers .45cm on opposite corners and gas pipes 4", painted with leaking proof using damp liquid bitumen material 3 coats, rate include all connections	LS	1		

7. 3	Excavation of Soakage pit (connected to septic tank) dia 1.60 cm depth 3.50 meter, filled with boulders and small stones accordingly along with R.conc. slab cover15cm thick	LS	1		
7. 4	Supply & install 2", 4" P.V.C return/waste pipes, as appropriate, for all sanitary fittings up to soak away main line, with bobbins, nails etc., include all branches, elbows, bends, tees, plugs, union, clips, etc. including making holes in walls& floors & cutting trenches in any soil or through concrete or masonry, as per specifications directed and to the satisfactory of the engineer, Rate include all required materials.	LS	1		
7. 5	Supply & Build 45x45cm manholes line throw all toilets to septic tank, build from bricks and cement mortar and concrete benches, smooth with 1:3 cement to sand paste, cover with good quality cast-iron manhole cover(as designed with attached drawings) Rate include all needed work and materials to connect to network perfectly as directed by the engineer.	LS	1		
8	UNSEEN				
unseen works					
8.1	Miscellaneous (1.0%)	LS	1		
TOTAL					\$ -

**KEYS:**

C/S: CEMENT/SAND MIX

1:2: MIX RATIO

LS: LUM SUM

M<sup>2</sup>: METER SQUARE

M<sup>3</sup>: METER CUBE

conc: concrete mix 1:2:4

R.conc.: Reinforced concrete mix 1:2:4

### **Terms of Reference**

1. The contractor shall submit samples / description / specification of the materials to be used in the project to the UNHCR supervisor engineer, for approval, before commencement of works. The supervisor engineer can reject any material that will not comply with the specifications, and replaced by the contractor without extra cost, or the supervisor engineer can ask for any test to insure the quality of the material used and work. The contractor has no right to change or draw any samples or materials being submitted and approved from site without written permission from the supervisor engineer
2. The contractor should visit the sites before submitting the offer and get acquainted with the type of works required, the nature of the area, securing of supplying materials to site and to keep them stored safely.
3. Quantities mentioned in the bills of quantities are approximate and could be increased or decreased by 10% of the contract amount; payments will be made based on actual executed quantities and quoted rates after approval from UNHCR office in Sudan
4. Work should be completed within period of **(45)** days, **Forty-Five** calendar days.
5. The contractor shall commence working within **(7)** seven calendar days from the date of signature of the contract and delivering the site.
6. After completion of works, a guarantee period of six **(6)** calendar months will apply.
7. The contractor shall appoint a qualified supervisor construction engineer with at least three years of professional experience to work full time on the site during the contract period.
- 8- **Please refer to project attached TOR**