

### Annex A - Bill Of Quantity

**PROJECT:** UNHCR KRT FO REMODELING WORKS

**LOCATION:** KHARTOUM - KHARTOUM STATE

The specified job are all provisional, including provision of materials and workmanship, providing water and electricity for the implementation and all other requirements to implement the job perfectly. The bidder must visit the site prior to submission of bid documents. The cost of this item should be included /imbedded in the other items.  
 Rate quoted in BOQ shall include full cost of labor, materials, transportation to site and all other costs necessary to completion and instruction given by the site Engineer.

No.	DESCRIPTION	UNIT	QTY	UNIT PRICE (USD)	TOTAL PRICE (USD)
<b>1</b>	<b>MOBILIZATION</b>				
1.1	Mobilization of labor, mobile workshop to be used for fixing maintaining and repairing of any kind of work such as steel, carpentry ...etc.	<b>Job</b>	<b>1</b>		
<b>2</b>	<b>SITE CLEARANCE</b>				
<b>The contractor shall exercise due care to avoid damages to existing structure and facilities</b>					
2.1	Dissemble of fittings where works required, and re-fix fittings after works completed	<b>Job</b>	<b>1</b>		
2.2	Clearing the site after completing the whole Job and before handover.	<b>Job</b>	<b>1</b>		
<b>3</b>	<b>REMODELING WORKS: OFFICESS / TOILETS / KITCHENS (GRD &amp; 1ST FLR)</b>				
<b>OFFICES</b>					
3.1	Build new brick walls to close/create zones/offices/toilets (as shows with attached drawings) build with red bricks thickness of 20cm, with C/S 1:5 mortar, rate include materials, labor and all related works.	<b>M<sup>2</sup></b>	<b>110</b>		
3.2	Supply materials and Plaster new walls/Partitions, includes sills, door sills and corners, smooth plaster with C/S (1:6), rate include materials, labor and all related works	<b>M<sup>2</sup></b>	<b>220</b>		
3.3	Disassemble of selected door, Rectifying old opening and plaster/smooth sill, re-fix door at new position (as shows with attached design) rate to include materials, change of power lines affected, labor and all related works, contractor shall exercise due care to avoid damages to door / power lines / switches	<b>LS</b>	<b>1</b>		
3.4	Supply and Apply quick drying prime (Suitable for interior walls) two (02) coats to make the surface of walls adhesive to receive new paint.	<b>M<sup>2</sup></b>	<b>220</b>		
3.5	Supply and Apply paint (suitable for interior walls) 2 layers of <u>silk paint</u> (off-white color) for all internal walls (All floors) rate include all materials and related works	<b>M<sup>2</sup></b>	<b>350</b>		
3.6	Supply and Apply paint (suitable for interior ceilings) 1 layer of paint (white color) for all internal ceilings (All floors) rate include all materials and related works	<b>M<sup>2</sup></b>	<b>300</b>		
<b>ROOFS / CEILINGS</b>					
3.7	Supply and fix roof structure from rectangular steel pipes <b>10x5cm</b> and <b>8x4cm</b> for roof support grids, rate include anti rust and final paint, fixing on the tie herons using all necessary accessories.	<b>M<sup>2</sup></b>	<b>22</b>		
3.8	Supply and fix a pre-painted corrugated steel sheets <b>0.35mm</b> thickness, rate includes fixing steel gutter, fixing on the purlins, trusses drilled nails with washer and all necessary accessories.	<b>M<sup>2</sup></b>	<b>22</b>		

3. 9	supply materials and fix water proof on roof top to insure water drainage and prevent rain water leakage, with 3mm polyethene sheet, Contract should submit the product description/sample prior to purchase	M <sup>2</sup>	22		
3. 10	supply and installation of thermal insulation layer to internal ceiling 100mm thick insulation wool, fixed and lined with roof, Contract should submit the product description/sample prior to purchase	M <sup>2</sup>	22		
3. 11	Supply and fix false ceiling panels 60x60cm, on aluminum mesh , fix to walls by nails and hang in the roof rectangular steel pipe by tying cables., contract should submit the product description/sample prior to purchase	M <sup>2</sup>	22		
<b>FLOORS</b>					
3. 12	Removing of floor old tiles completely, prepare floors for new works and other works.	M <sup>2</sup>	20		
3. 13	Supply and install Porcelain floor tiles <b>60X60</b> cm/or approved size, white color, with C/S mortar 1:8. <u>contract should submit the product description/sample prior to purchase, rate include all related materials and works</u>	M <sup>2</sup>	22		
3. 14	Ditto but for skirting, design/color to match floor tiles design, <b>10</b> cm height.	ML	18		
<b>TOILETS</b>					
3. 15	Supply materials, prepare/lay internal water network for new toilets, using PPR pipes ½" high quality Cold/Hot, and drainage/sewage pipes using PVC pipes 2&4", rate include all related work	LS	1		
3. 16	Supply materials, prepare internal power network, using high quality wires for new toilets, for points: water heater, mirror,exhaust fan, light, switches, rate include all related materials and works	LS	1		
3. 17	Supply materials and apply damp insulation cement for walls and floors (using damp proof cement approved materials) rate include all related materials and works	M <sup>2</sup>	3		
3. 18	Supply and install new wall tiles <b>20X50</b> cm /or approved size, with C/S mortar 1:6 to toilets height of wall, rate includes preparation of wall, and all related works	M <sup>2</sup>	16		
3. 19	Supply and install new floor tiles <b>20X20</b> cm /or approved size, design to match wall tiles, with C/S mortar 1:6, for toilets floors, rate include preparation of floor, removing old tiles (where required) and all related works	M <sup>2</sup>	4		
3. 20	Supply and install high quality hand wash basin, flat back white glazed vitreous china wash basin with stand, include center tap, rate includes all water connections <u>Fittings to be approved by the engineer before installation.</u>	LS	3		
3. 21	Supply and install high quality English seat, with C.I. enamel painted brackets, with water hose, rate include all water connections. <u>Fittings to be approved by the engineer before installation.</u>	LS	3		
3. 22	Supply and fix toilet mirror (LED back light) and accessories set of approved type/design. <u>Fittings to be approved by the engineer before installation.</u>	No.	3		
<b>KITCHENS</b>					
3. 23	Dissemble of fittings where works required, remove wall tiles completely, prepare for plaster and other works.	LS	1		

3. 24	Supply materials and Plaster new walls/Partitions, includes sills, door sills and corners, smooth plaster with C/S (1:6), rate include materials, labor and all related works	M <sup>2</sup>	70		
3. 25	Supply and Apply paint (suitable for interior walls) 2 layers of silk paint (off-white color) for all internal walls, rate include all materials and related works	M <sup>2</sup>	70		
3. 26	Supply and Apply paint (suitable for interior ceilings) 1 layers of paint (white color) for all internal ceilings, rate include all materials and related works	M <sup>2</sup>	27		
<b>ALUMINUM FIXED PARTITIONS</b>					
Partitions shall be made of approved aluminum profile minimum 60mmX30mmX .9mm thick, and shall be fitted with 3mm board.					
3. 27	supply materials and fix aluminum partitions (as shows with attached design) fixed to floor and roof level, 3MM thickness	M <sup>2</sup>	22		
<b>DOORS &amp; WINDOWS</b>					
3. 28	Supply and fix 150 X 220 cm size MDF wooden internal door, import made; price to include frame and door, fixing with hinges, locking system etc. <u>Contract should submit the product description/sample prior to purchase</u>	No.	1		
3. 29	Supply and fix 100 X 220 cm size MDF wooden internal door, import made; price to include frame and door, fixing with hinges, locking system etc. <u>Contract should submit the product description/sample prior to purchase</u>	No.	3		
3. 30	Supply and fix 90X220 cm size UPVC internal door; price to include frame and door, fixing with hinges, locking system etc. <u>Contract should submit the product description/sample prior to purchase</u>	No.	2		
3. 31	Supply and fix Aluminum sliding windows of High quality, price to include wall opening, frame, fixing with hinges, locking system, mosquito net, etc. <u>Contract should submit the product description/sample prior to purchase</u>	M <sup>2</sup>	3.5		
3. 32	Supply, open wall and fix new toilet aluminum high windows 50X50 cm (as shows with attached drawings) sill plastered with C/S 1:5 mortar, rate include aluminum window, beam, labor and all related works	No.	1		
<b>4 SAFE ROOM / SAFETY</b>					
4. 1	Supply materials and fabricate steel sliding door size 3.50X2.50 Meters, with pedestrian 1 Meter door, locally made, using heavy steel for door and frame, covered with 2 mm heavy sheet two sides, price includes fixing, sliding rail, wheels, locking system, peep hole, paint, etc.	No.	1		
4. 2	Supply materials and reinforce main gates size 3.25X2.50 Meters, with 3 movable horizontal rectangular galvanized pipes 5X10cm thickness 2mm, and covered with 2 mm heavy sheet one side, price includes fixing, locking system, peep hole, paint, etc.	LS	2		
4. 3	Supply, and fix 100X220 cm size steel secure door, local made, covered with 2 mm heavy steel double side; price include steel frame and door, fixing with hinges, locking system, paint etc.	No.	2		
4. 4	Supply, and fix 115X220 cm size steel secure sliding door, local made, covered with 2 mm heavy steel double side; price include steel frame, door, sliding rail, wheels, locking system, paint, etc.	No.	3		
4. 5	Supply, and fix 240X220 cm size steel horizontal grill secure double door, made of rectangular pipes 5X10cm for frame and 4X8cm for door thickness 1mm heavy steel; price include steel frame and door, fixing with hinges, locking system, paint, etc.	No.	2		




4.6	Supply, and fix <b>110X220</b> cm size steel horizontal grill secure door, made of rectangular pipes <b>5X10</b> cm for frame and <b>4X8</b> cm for door thickness <b>1</b> mm heavy steel; price include steel frame and door, fixing with hinges, locking system, paint, etc.	No.	5		
4.7	Supply and fix <b>150X100</b> cm size reinforced steel sliding window for safe room, using heavy steel pipes for frame, covered with heavy steel sheet <b>2</b> mm thickness, price include fixing with strong hinges, locking system, locking bars, paint, etc.	No.	2		
4.8	Supply materials and reinforce <b>GRD &amp; 1ST FLR</b> windows with external steel grills <b>240X100</b> cm, made from 50x50mm heavy duty box section and 25mm diameter reinforced steel bars (as shows with detailed drawings) price include fix on walls, anti rust and final paint, etc.	No.	4		
4.9	Supply materials and reinforce <b>GRD &amp; 1ST FLR</b> windows with external steel grills <b>160X100</b> cm, made from 50X50mm heavy duty box section and 25mm diameter reinforced steel bars (as shows with detailed drawings) price include fix on walls, anti rust and final paint, etc.	No.	10		
4.10	Supply materials and reinforce <b>GRD &amp; 1ST FLR</b> windows with external steel grills <b>50X90</b> cm, made from 50X50mm heavy duty box section and 25mm diameter reinforced steel bars (as shows with detailed drawings) price include fix on walls, anti rust and final paint, etc.	No.	5		
4.11	Supply of 6 Kg ABC Powder Fire Extinguisher containing Mono Ammonium Phosphate Powder 50, Stored Pressure Type, Pressure Gauge, fitted with discharge hose and wall mounting bracket, discharge time less than 15 Secs, controllable discharge mechanism, minimum range 4 Meters, applicable on Class A,B,C and electrically started fire	No.	6		
<b>5</b>	<b>EMERGENCY STAIR CASE</b>				
5.1	supply materials and fabricate stair case, made of steel with galvanized iron and <b>I</b> sections, handrail grill, height of 3.20 Meter, flight width of 1 meter, fix and welded to building terrace and ground, at position shows with drawing, complete job with ram opening, fixing,anti rust paint/ final paint and all related works.	LS	1		
<b>6</b>	<b>ELECTRICAL SUPPLY &amp; EQUIPMENT'S</b>				
6.1	wiring of new/existing structures with internal/external pipes for A/C units, using <b>4.00</b> mm wires of approved high quality and power point for Acs power , price includes cost of wires, pipes, switches , labor and connection to main distribution board.	LS	6		
6.2	Supply and installation of <b>16A</b> socket of approved quality, AC type, rate include wires and labor	No.	6		
6.3	Supply and installation of <b>13A</b> socket of approved quality, wall type, rate include wires and labor	No.	20		
6.4	Supply and installation of led lamp, <b>40</b> watt/ <b>4</b> FT of approved quality (preferred Philips or similar) wall type, rate includes wires, switches and labor	No.	12		
6.5	Supply and installation of circular <b>20</b> watt led lamp of approved quality (preferred Philips or similar) ceiling type, rate includes wires, switches and labor	No.	10		
6.6	Supply and installation of circular <b>40</b> watt led panel of approved quality (preferred Philips or similar) false ceiling type, rate includes wires, switches and labor	No.	4		
6.7	Supply and installation of exhaust fan <b>30</b> cm of approved type, rate includes all related works	No.	2		
6.8	Supply and installation of smoke detectors, sound base ceiling type (battery powered)	No.	8		




6.9	Supply and installation of security lights <b>300</b> watt LED type at compound corners/selected positions on 2" pipe/or anchored in the perimeter wall, rate includes cable wires, switches and labor.	No.	8			
7 HAVC						
Rate includes supplying, fixing, installation units of approved quality, wiring, power points and switches .....etc.						
7.1	Supply and installation of Air condition <b>24.000</b> BTU split type (preferred brand <b>LG inverter</b> ) rate include all connections, wires, complete installation. <b>Contract Must submit the product description/sample prior to purchase</b>	No.	3			
7.2	Supply and installation of Air condition <b>18.000</b> BTU split type (preferred brand <b>LG inverter</b> ) rate include all connections, wires, complete installation. <b>Contract Must submit the product description/sample prior to purchase</b>	No.	3			
8 EXTERNAL ELEVATIONS (ALL BUILDING)						
8.1	Supply and Apply paint (suitable for exterior walls) 1 layers of paint (white color) for external building main elevations, rate includes all materials and related works	LS	1			
9 STEEL WORK/SHADES						
9.1	supply materials and fabricate shade area width of <b>4.0</b> meter on frame made of steel pipes fixed to entrance wall sides, covered with <b>Poly Vinyl</b> sheet (as shows with attached design) complete job with anti rust paint and final paint	M <sup>2</sup>	16			
9.2	Supply and fix collapsible metal shelves for store wall sides, size H <b>1.5</b> meter Divided to 3 levels, main frame and shelve made of plywood, all painted with white color.	ML	9			
10 WASTE WATER/DRAINAGE LINE						
10.1	cleaning of septic tank and drainage line from dirt's and objects completely.	LS	1			
11 UNSEEN						
unseen works						
11.1	Miscellaneous (2.5%)	LS	1			
<b>TOTAL</b>					\$	-

**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

**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 **(21)** days, **twenty-one** 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.