

**United Nations Office for Project Services**  
**ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)**

**Tender Reference:**  
**RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN**  
**ETHIOPIA**

**SEMERET HEALTH POST**

## **BILL OF QUANTITIES (BOQ)**

### **Contents**

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- Bill Nr.7 - External Works
- Bill Nr.8 - Day Works

**NOTE: It is a MANDATORY requirement for bidders to complete and return both this excel BOQs and their respective  
duly signed pdf for further reference**

**Failure to complete all sections of the BOQ may result to automatic disqualification of your bid.**

**FEBRUARY , 2024**

## **PREAMBLE TO BILLS OF QUANTITIES**

### **1 Objectives**

The objectives of the Bill of Quantities are

(a) to provide sufficient information on the quantities of Works to be performed to enable bids to be prepared efficiently and accurately; and

(b) when a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.

In order to attain these objectives, Works have been itemized in the Bill of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in differently or in other circumstances which may give rise to different considerations of cost.

### **2 The Bills of Quantities for the Works comprise the following:**

Preamble to Bill of Quantities

List of principal Quantities

#### **Grand Summary**

<b>Bill Nr. 1</b>	<b>Mobilization</b>
<b>Bill Nr. 2</b>	<b>Administration Building</b>
<b>Bill Nr. 3</b>	<b>Store</b>
<b>Bill Nr. 4</b>	<b>Toilet</b>
<b>Bill Nr. 5</b>	<b>Electrical Works</b>

**Bill Nr. 6                WASH-Sanitary Works**

**Bill Nr. 7                External Works**

**Bill Nr. 8                Day Works**

- 3    The Contractor's unit rates in these bills are to cover supplying of materials, taking delivery, transporting, loading and off loading inspection, storage, stacking, landing, preparation, installation including provision of all labour, requirement false work, temporary support, surface preparation and testing of the works. The rates shall include all applicable taxes and duty. The cost of testing of the materials to be used in the works unless otherwise provided is to be included in the rates of the respective Bill items.
  
- 4    Measurement for payment shall be for the complete installation and having passed all necessary tests.
  
- 5    Work shall not be executed on a Day work basis unless ordered in writing by the Consultant on approval by the Employer. The rates entered in the Day works Bill of Quantities shall apply to any quantity of Day work instructed by the Consultant. Nominal quantities have been indicated against each item to permit the extended total to be carried forward to the Grand Summary.
  
- 6    "Rates and prices shall be inserted in the *rate* and *total* columns of the Bill of Quantities in Ethiopian Birr (ETB)
  
- 7    Bills of Quantities are to be read in conjunction with the Instructions to Bidders, the Conditions of Contract Data, the Specifications and the Drawings. The quantities stated against each item in the Bills of Quantities, with the exception of those items specifically marked 'sum', are the estimated quantities of the Work to be executed by the Contractor in fulfillment of his obligations under the Contract.

- 8 The Contractor is required to check the number of the pages and should any be found to be missing or in duplicate he must inform the Engineer at once and have the same rectified.
- 9 No liability whatever will be admitted or claim allowed in respect of errors in the Contractor's tender due to mistakes in the Bills of Quantities which should have been rectified in the manner described above.
- 10 The contractor shall not alter or otherwise qualify the text of these Bills of Quantities. Any alteration or qualification made without authority will be ignored and the text of the Bills of Quantities as printed will be adhered to.
- 11 Each item in the Bills of Quantities is to be priced. If any items are left un-priced it will be assumed that the value of the work described there under is elsewhere allowed for. The prices and rates to be inserted in the Bills of Quantities are to be fully inclusive of all costs and expenses which may be required for the construction of the work described, together with general risks, liabilities and obligations set forth or implied in these documents.
- 12 In no case will any claim for expenses incurred by the Contractor in preparation of this Tender be allowed.
- 13 The Contractor is solely responsible for the accurate ordering of materials in accordance with the Specifications, Drawings and Engineer's Instructions and no claim for any loss or expense will be entertained for orders for materials based on the Bills of Quantities.
- 14 The quantities given in the Bills of Quantities are estimated and no claim by the Contractor for the final quantities being larger or smaller than the quantities given in the Bills of Quantities will be permitted except in accordance with Clause 38 of the Conditions of Contract.

- 15 The dimensions given in the Drawings are generally in millimeters unless otherwise indicated. Levels are given in meters.
- 16 The term 'provide' or 'supply' used for any item shall be deemed to include transport to site, handling, storage and fixing complete, and the Bidder's rate shall include for this.
- 17 The following abbreviations have been used in the Bills of Quantities:-

kg	kilogram
t	tonne
m	metre
m <sup>2</sup>	square metre
m <sup>3</sup>	cubic metre
mm	millimetre
Nr.	Number
Birr	Ethiopian Birr
uPVC	un-plasticized poly vinyl chloride
HDPE	high density polyethylene
GMS	galvanized mild steel
LS	Lump Sum
PS	Provisional Sum

**General Items**

- 18 Unless otherwise provided there are no separate measurement items for Contractual requirements. The Contractor is deemed to have included his costs for the Contractual requireme



**ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)**

**BILLS OF QUANTITIES**

**RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA**

**Bidder Legal Name:**

<b>GRAND SUMMARY</b>		<b>Amount in USD</b>			
1	Bill Nr.1 - Mobilization	USD	0.00		
2	Bill Nr.2 - OPD	USD	0.00		
3	Bill Nr.3 -Staff Residence	USD	0.00		
4	Bill Nr.4 - Toilet	USD	0.00		
5	Bill Nr.5 - Electrical Works	USD	0.00		
6	Bill Nr.6 - WASH- Sanitary Works	USD	0.00		
7	Bill Nr.7 - External Works	USD	0.00		
	<b>TOTAL</b>	<b>USD</b>	<b>0.00</b>		
	<b>15% VAT</b>	<b>USD</b>	<b>0.00</b>		
	<b>GRAND TOTAL</b>	<b>USD</b>	<b>0.00</b>		
8	Bill Nr.8- Day Works	BIRR	0.00		
	<b>Name of Signatory:</b>				
	<b>Designation:</b>				
	<b>Signature:</b>				
	<b>Date Signed:</b>				



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**Bidder Legal Name:**

	<b>MOBILIZATION</b>			<b>RATE</b>	
	<b>SUMMARY</b>				
<b>1</b>	<b>SIGN BOARD</b>	<b>USD</b>			
<b>2</b>	<b>SAFTEY HARNESS &amp; PROTECTION</b>	<b>USD</b>			
<b>3</b>	<b>SAFTEY &amp; SECURITY OF WORKS</b>	<b>USD</b>			
<b>4</b>	<b>SHOP DRAWINGS</b>	<b>USD</b>			
	<b>TOTAL</b>	<b>USD</b>	<b>0.00</b>		
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
	<b>Mobilization</b>				
<b>1</b>	<b>Sign Board</b>				
1.1	Contractor to provide a Project Identification sign size (2m × 2m), Contractor to submit shop drawing for UNOPS Engineer Approval, also 2 safety signs (1.2m*1.2m). Saftey signed to be submitted to approval of Engineers,	LS	LS		
<b>2</b>	<b>Saftey Harness and Protection</b>				





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<b>MOBILIZATION</b>				<b>RATE</b>	
2.1	2 No (Minimum) Safety Harness with lanyards , 3 fire powder 6Kg fire extinguishers, and selection of gloves & safety glasses to be kept in UNOPS Office at all time, also contractor should in his price include the cost of providing all his staff and work force with suitable PPEs ( i.e. Hard Hat, Safety Boot, Dust Masks, Safety Vests and Safety Glasses)	ml	LS		
<b>3</b>	<b>Safety &amp; Security of Works</b>				
	Allow for providing <b>safety and security</b> for the Works and material as per the requirement laid under the Contract, including security lighting, lockable or open material storage areas, engaging security guards and / or any other measures as necessary. Cost shall include Road Safety awareness, and public traffic flow management during construction.	LS	LS		
<b>4</b>	<b>Shop Drawings</b>				
	Allow for prepare and submit to the Engineer's Representative a complete set of <b>Shop Drawings</b> , as required to the specified scale(s), giving all details, as required by the Engineer's Representative, for the work executed. Submission shall be in 3 sets as hard copies, colour printed on A1 size paper and 01 set of soft copies in AutoCAD compatible version in a compact disc.	LS	LS		
	<b>Name of Signatory:</b>				
	<b>Designation:</b>				



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**Bidder Legal Name:**

--

	<u>MOBILIZATION</u>			RATE	
		Signature:			
		Date Signed:			



# ETHIOPIA OPERATIONAL HUB (EHO)

## BILLS OF QUANTITIES

### RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA

Semeret Helath Post

Bidder Legal Name:

	OUT PATIENT DEPARTMENT (OPD) BUILDING			RATE	
	<u>SUMMARY</u>				
A.	<u>SUB-STRUCTURE</u>				
1	EXCAVATION & EARTH WORK	USD	0.00		
2	CONCRETE WORK	USD	0.00		
3	MASONRY WORK	USD	0.00		
	SUB-TOTAL A	USD	0.00		
B.	<u>SUPER-STRUCTURE</u>				
1	CONCRETE WORK	USD	0.00		
2	BLOCK WORK	USD	0.00		
3	ROOFING	USD	0.00		
4	METAL WORK	USD	0.00		
5	STEEL STRUCTURE	USD	0.00		
6	FINISHING	USD	0.00		
7	GLAZING	USD	0.00		
8	PAINTING	USD	0.00		



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OUT PATIENT DEPARTMENT (OPD) BUILDING				RATE	
9	SANITARY INSTALLATION	USD	0.00		
10	ELECTRICAL INSTALLATION	USD	0.00		
SUB-TOTAL B		USD	0.00		
TOTAL A+B		USD	0.00		
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A.	<u>SUB-STRUCTURE</u>				
1	EXCAVATION & EARTH WORK				
	<u>Pricing notes:</u>				
	A) Prices generally are to include for provision of all				
	B) Prices generally are to include for all necessary scaffolds,				
	C) Prices generally are to include for making good of any				
	D) Prices generally are to include for the clearing away and				
1.1	Clearing of the site to remove top soil and other rubbish materials	m2	165.00		0.00



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OUT PATIENT DEPARTMENT (OPD) BUILDING				RATE	
1.2	Trench excavation for stone masonry foundation wall in ordinary	m3	112.00		0.00
1.3	Back fill under hard core and around masonry foundation with	m3	77.00		0.00
1.4	Cart away excavated material with a distance not more than 2.5	m3	162.00		0.00
1.5	250mm thick basaltic or equivalent stone hard core well rolled,	m2	88.00		0.00
1.6	Anti-termite Treatment: Treat surface of hard core ,sides and	m2	170.00		0.00
Total carried to summary USD					0.00
2.0 CONCRETE WORK					
Pricing notes:					
A) The costs of Concrete shall include making, storing and					
B) Price for concrete shall include placing concrete by					
50mm thick lean concrete in class C-5, minimum cement content					
2.1	Under masonry foundation wall	m2	45.00		0.00



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OUT PATIENT DEPARTMENT (OPD) BUILDING					
				RATE	
	Reinforced concrete in C-25, minimum cement content of 360				
2.2	In Grade beams and ramps	m3	7.20		0.00
2.3	In 100mm thick ground floor slab.	m2	88.00		0.00
	Formwork shall be timbered or steel or a combination of two,				
2.4	To Grade beams and ramps	m2	66.00		0.00
	Steel bar reinforcement according to structural drawings.				
2.5	Diam 12mm Deformed bar.	kg	438.00		0.00
2.6	Diam 8mm Deformed bar.	kg	594.00		0.00
Total carried to summary USD					0.00
3 MASONRY WORK					
3.1	Basaltic or equivalent stone masonry foundation wall bedded in	m3	56.00		0.00



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OUT PATIENT DEPARTMENT (OPD) BUILDING				RATE	
3.2	Ditto as item 3.1, but, above NGL.	m3	19.00		0.00
Total Carried to summary USD					0.00
B. SUPER -STRUCTURE					
1 CONCRETE WORK					
Pricing note:					
COSTS OF TESTS					
A) The costs of Concrete shall include making, storing and					
B) Price for concrete shall include placing concrete by					
Reinforced concrete in C-25, minimum cement content of 360					
1.1	In Elevation columns.	m3	2.30		0.00
1.2	In top tie beams and Concrete Gutter	m3	7.90		0.00
1.3	In lintel beams.	m3	0.50		0.00



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				RATE	
	Formwork shall be timbered or steel or a combination of two,				
1.4	To Elevation columns.	m2	45.00		0.00
1.5	To top tie beams and Gutter	m2	116.00		0.00
1.6	To lintel beams.	m2	8.50		0.00
	Steel bar reinforcement according to structural drawings.				
1.7	Diam.12mm.deformed bar.	kg	758.00		0.00
1.8	Diam.8mm.deformed bar.	kg	590.00		0.00
Total carried to summary USD					0.00
2 BLOCK WORK					
2.1	200mm.thick Class-B approved type Hollow Concrete Block wall	m2	130.00		0.00
2.2	Ditto but 150mm thick internal partition wall	m2	46.00		0.00
Total carried to summary USD					0.00





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OUT PATIENT DEPARTMENT (OPD) BUILDING				RATE	
3	ROOFING				
3.1	Supply and fix G-28 C.I.S. roof cover on steel purlins. Price shall	m2	100.00		0.00
3.2	Supply and fix diam 75mm PVC down pipe. Price shall include	ml	50.00		0.00
3.3	Supply and fix G-30 flat metal sheet Copping around the concrete	ml	45.00		0.00
Total carried to summary USD					0.00
4	METAL WORK				
4.1	Double leaf door size 1200x2100mm + top louver of size 1200 x	no	3		0.00
4.2	Door size 900 x 2100mm + top louver of size 900 x 700 mm (D2)	no	2		0.00
4.3	Window W1 size 1800x1600mm including the top louver as	no	4		0.00
4.4	Window W2 size 1500x1000mm.	no	1		0.00
Total carried to summary USD					0.00



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5	STEEL STRUCTURE				
	Supply and erect steel roof structure all according to size and				
5.1	RHS size 50x50x3.0mm	kg	471.00		-
5.2	RHS size 40x40x3.0mm	kg	367.00		-
5.3	RHS size 80x40x3.0mm	kg	810.00		-
5.4	Plate size 220x200x8mm for truss and column connection.	pc	24.00		-
5.5	Plate size 200x150x6mm for splicing.	pc	12.00		-
5.6	M16 "J" bolt (DL=400mm) anchored to concrete with nut.	pc	56.00		-
5.7	Diam.12mm bolts with nuts (for truss splicing).	pcs	24.00		-
	Total carried to summary USD				-
6	FINISHING				
	Finishing work includes all surface pre cleaning, removal of				



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OUT PATIENT DEPARTMENT (OPD) BUILDING					
				RATE	
6.1	Two coats of cement sand plaster (1:3) and final coat of gypsum	m2	250.00		0.00
6.2	Two coats of cement sand plaster (1:3) and final quartz plaster to	m2	181.00		0.00
6.3	Supply and fix 330 x 300 x 8mm thick non slip ceramic floor tiles	m2	89.00		0.00
6.4	Supply and fix 220x20mm wide terrazo window sill with cement	ml	10.20		0.00
6.5	Supply and fix 100x10mm wide porcelain skirting with cement	ml	69.00		0.00
6.6	Supply and fix 8 mm thick chip wood ceilings as per the	m2	89.00		0.00
6.7	100 mm thick Concrete pavement around the building bedded on	m2	48.00		0.00
6.8	Supply and fix 280x30mm wide terrazo wall copping for short	ml	8.70		0.00
Total Carried to summary USD					0.00
7	GLAZING				
7.1	Supply and fix 5 mm thick clear glass. Price shall include all the	m2	13.00		0.00
7.2	Ditto but 5mm thick figured type glass	m2	9.80		0.00



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Bidder Legal Name:

OUT PATIENT DEPARTMENT (OPD) BUILDING				RATE	
Total Carried to summary USD					0.00
8	PAINTING				
8.1	Apply three coats of plastic emulsion paint to internally gypsum	m2	250.00		0.00
8.2	Ditto as item 8.1,but, to external wall surface and concrete gutter.	m2	181.00		0.00
8.3	Apply three coats of plastic emulsion paint to chip wood ceiling	m2	89.00		0.00
8.4	Apply one coat of primer and two coats of synthetic enamel paint	m2	100.00		0.00
Total Carried to summary USD					0.00
9	SANITARY INSTALLATION				
Internal Water Supply Pipes					
9.1	Supply and install Polypropylene Random Co-polymer resins (PP	ml	35.00		0.00
9.2	Supply and fix PPR service valves of approved standard, capable	No.	4.00		0.00
9.3	Supply and fix hand wash basins made of white glazed vitreous	No.	2.00		0.00



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Bidder Legal Name:

OUT PATIENT DEPARTMENT (OPD) BUILDING					
				RATE	
	Internal Waste Water Drainage System				
9.4	Providing, laying and jointing of internal uPVC PN-6 waste pipes				
	Diameter 75 mm	ml	25.00		0.00
9.5	Supply & fix 50mm diameter floor drain made of enameled cast-	No.	3.00		0.00
9.6	Ditto but 100mm diameter floor clean out made of enameled cast-	No.	1.00		0.00
Total Carried to summary USD					0.00
10 ELECTRICAL INSTALLATIONS					
10 BLOCK 1( EXAMINATION ROOM , OFFICE AND					
	Supply and installation in accordance with the conditions				
	Supply and installation in accordance with the conditions defined in the				
	in written pieces, specification, drawings and other elements of the				
10.1	Low Voltage Switchboard				
	Flash mountED distribution board, MDB in sheet steel or		1.00		\$0.00
	Flash mountED distribution board, SDB-1 in sheet steel or		1.00		\$0.00
10.2	LIGHTING				
10.2.1	Type: L1	NO	19.00		\$0.00



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				RATE	
	LED Slim Down light surface type 18W, 3000 K/ 1450 lm , IP 44, Surface assembly				
10.3	<b>LIGHTING CONTROL DEVICES</b>				
10.3.1	One way switch, surface mounting	NO	3.00		\$0.00
10.3.2	Two way switch, surface mounting	NO	2.00		\$0.00
10.3.3	Double pole switch, surface mounting	NO	3		\$0.00
10.3.5	Surface or Recessed mounting Connection Box	NO	8		\$0.00
10.4	<b>Electrical Power cables 0.6/1KV (NYY) Enclosed in a</b>				
10.4.1	2x 1.5 mm² Cu/ XLPE/ LSZH	M	210.00		\$0.00
	Metric Rigid Conduit:				
	Enclosed in a recessed or surface conduiting:				
10.4.2	PE PVC Ø 20 mm	M	210.00		\$0.00
10.5	<b>General Purpose Power Outlet</b>				
10.5.1	16A ,1ph ,220V 2p+e socket out let point for flush type in thermoelastic conduit of diameter 16mm fed by PVC copper conductor	No	11.00		\$0.00
	Flush and surface Mounting Boxes:				
10.5.2	Surface or Recessed mounting Connection Box	NO	6		\$0.00
10.6	<b>Electrical Power cables 0.6/1KV (NYY) Enclosed in a</b>				
10.6.1	3x 2.5 mm² Cu/ XLPE/ LSZH	M	180.00		\$0.00
	Metric Rigid Conduit:				
	Enclosed in a recessed or surface conduiting:				
10.6.2	PVC Ø 16 mm	M	180		\$0.00

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	<b>OUT PATIENT DEPARTMENT (OPD) BUILDING</b>			<b>RATE</b>	
10.7	<b>FIRE ALARM SYSTEM</b>				
10.7.1	Battery operated standalone optical smoke detector	NO	6.00		\$0.00
10.8	<b>Final Work</b>				
10.8.1	- Testing all the work ,Commissioning and Verification,	LSM	1.00		\$0.00
	<b>Total Carried to summary USD</b>				<b>0.00</b>

	<b>Name of Signatory:</b>	
	<b>Designation:</b>	
	<b>Signature:</b>	
	<b>Date Signed:</b>	



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**Bidder Legal Name:**

	STAFF RESIDENCE BUILDING			RATE	
	<u>SUMMARY</u>				
A.	<u>SUB-STRUCTURE</u>				
1	EXCAVATION & EARTH WORK	USD	0.00		
2	CONCRETE WORK	USD	0.00		
3	MASONRY WORK	USD	0.00		
	<b>SUB-TOTAL A</b>	<b>USD</b>	<b>0.00</b>		
B.	<u>SUPER-STRUCTURE</u>				
1	CONCRETE WORK	USD	0.00		
2	BLOCK WORK	USD	0.00		
3	ROOFING	USD	0.00		
4	METAL WORK	USD	0.00		
5	STEEL STRUCTURE	USD	0.00		
6	FINISHING	USD	0.00		
7	GLAZING	USD	0.00		
8	PAINTING	USD	0.00		





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**Bidder Legal Name:**

	STAFF RESIDENCE BUILDING			RATE	
9	ELECTRICAL INSTALLATION	USD	0.00		
	SUB-TOTAL B	USD	0.00		
	TOTAL A+B	USD	0.00		
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A.	SUB-STRUCTURE				
1	EXCAVATION & EARTH WORK				
	<u>Pricing notes:</u>				
	A) Prices generally are to include for provision of all materials for carrying out the work except where item are specifically described as "measured separately".				
	B) Prices generally are to include for all necessary scaffolds, temporary screens, guard rails and other protective measures for proper execution of the work described and for the proper protection of the existing surrounding building, persons and others.				



**ETHIOPIA OPERATIONAL HUB (ETOH)**  
**BILLS OF QUANTITIES**  
**RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA**  
**Semeret Helath Post**

**Bidder Legal Name:**

	<b>STAFF RESIDENCE BUILDING</b>			<b>RATE</b>	
	<b>C) Prices generally are to include for making good of any damage or disturbance caused by the execution of the work described.</b>				
	<b>D) Prices generally are to include for the clearing away and removal from the site .</b>				
1.1	Clearing of the site to remove top soil and other rubbish materials	m2	128.00		0.00
1.2	Trench excavation for stone masonry foundation wall in ordinary	m3	61.00		0.00
1.3	Back fill under hard core and around masonry foundation with	m3	62.00		0.00
1.4	Cart away excavated material with a distance not more than 2.5	m3	100.00		0.00
1.5	250mm thick basaltic or equivalent stone hard core well rolled,	m2	68.00		0.00
1.6	Anti-termite Treatment: Treat surface of hard core ,sides and	m2	130.00		0.00
	<b>Total carried to summary USD</b>				<b>0.00</b>
<b>2.0</b>	<b>CONCRETE WORK</b>				
	<b>Pricing notes:</b>				



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Semeret Helath Post

Bidder Legal Name:

	STAFF RESIDENCE BUILDING			RATE	
	A) The costs of Concrete shall include making, storing and				
	B) Price for concrete shall include placing concrete by				
	50mm thick lean concrete in class C-5, minimum cement content				
2.1	Under masonry foundation wall	m2	35.00		0.00
	Reinforced concrete in C-25, minimum cement content of 360				
2.2	In Grade beams and ramps	m3	6.00		0.00
2.3	In 100mm thick ground floor slab.	m2	68.00		0.00
	Formwork shall be timbered or steel or a combination of two,				
2.4	To Grade beams and ramps	m2	56.00		0.00
	Steel bar reinforcement according to structural drawings.				
2.5	Diam 12mm Deformed bar.	kg	373.00		0.00



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Bidder Legal Name:

	<b>STAFF RESIDENCE BUILDING</b>			<b>RATE</b>	
2.6	Diam 8mm Deformed bar.	kg	440.00		0.00
	<b>Total carried to summary USD</b>				<b>0.00</b>
<b>3</b>	<b>MASONRY WORK</b>				
3.1	Basaltic or equivalent stone masonry foundation wall bedded in	m3	45.00		0.00
3.2	Ditto as item 3.1, but, above NGL.	m3	15.00		0.00
	<b>Total Carried to summary USD</b>				<b>0.00</b>
<b>B.</b>	<b><u>SUPER -STRUCTURE</u></b>				
<b>1</b>	<b>CONCRETE WORK</b>				
	<b><u>Pricing note:</u></b>				
	<b>COSTS OF TESTS</b>				
	<b>A) The costs of Concrete shall include making, storing and</b>				



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**Semeret Helath Post**

**Bidder Legal Name:**

	<b>STAFF RESIDENCE BUILDING</b>			<b>RATE</b>	
	<b>B) Price for concrete shall include placing concrete by</b>				
	Reinforced concrete in C-25, minimum cement content of 360				
1.1	In Elevation columns.	m3	1.60		0.00
1.2	In top tie beams and Concrete Gutter	m3	8.50		0.00
1.3	In lintel beams.	m3	0.54		0.00
	Formwork shall be timbered or steel or a combination of two,				
1.4	To Elevation columns.	m2	32.00		0.00
1.5	To top tie beams and Gutter	m2	104.00		0.00
1.6	To lintel beams.	m2	9.00		0.00
	Steel bar reinforcement according to structural drawings.				
1.7	Diam.12mm.deformed bar.	kg	647.00		0.00
1.8	Diam.8mm.deformed bar.	kg	528.00		0.00



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Bidder Legal Name:

	STAFF RESIDENCE BUILDING			RATE	
	Total carried to summary USD				0.00
2	BLOCK WORK				
2.1	200mm.thick Class-B approved type Hollow Concrete Block wall	m2	75.00		0.00
2.2	Ditto but 150mm thick internal partition wall	m2	56.00		0.00
	Total carried to summary USD				0.00
3	ROOFING				
3.1	Supply and fix G-28 C.I.S. roof cover on steel purlins. Price shall	m2	80.00		0.00
3.2	Supply and fix diam 110mm PVC down pipe. Price shall include	ml	35.00		0.00
3.3	Supply and fix G-30 flat metal sheet Copping around the concrete	ml	38.00		0.00
	Total carried to summary USD				0.00
4	METAL WORK				



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Bidder Legal Name:

	<b>STAFF RESIDENCE BUILDING</b>			<b>RATE</b>	
	Supply and fix 38mm thick LTZ frame doors and windows all as				
4.1	Door size 900 x 2100mm + top louver of size 900 x 600 mm (D1)	no	3		0.00
4.3	Window W1 size 1800x1600mm including the top louver as	no	3		0.00
4.4	Window W2 size 1200x1600mm including the top louver as	no	3		0.00
	<b>Total carried to summary USD</b>				<b>0.00</b>
<b>5</b>	<b>STEEL STRUCTURE</b>				
	Supply and erect steel roof structure all according to size and				
5.1	RHS size 50x50x3.0mm	kg	434.00		-
5.2	RHS size 40x40x3.0mm	kg	280.00		-
5.3	RHS size 80x40x3.0mm	kg	600.00		-
5.4	Plate size 220x200x8mm for truss and column connection.	pc	24.00		-



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Bidder Legal Name:

	STAFF RESIDENCE BUILDING			RATE	
5.5	Plate size 200x150x6mm for splicing.	pc	12.00		-
5.6	M16 "J" bolt (DL=400mm) anchored to concrete with nut.	pc	56.00		-
5.7	Diam.12mm bolts with nuts (for truss splicing).	pcs	24.00		-
	<b>Total carried to summary USD</b>				<b>-</b>
<b>6</b>	<b>FINISHING</b>				
	Finishing work includes all surface pre cleaning, removal of				
6.1	Two coats of cement sand plaster (1:3) and final coat of gypsum	m2	195.00		0.00
6.2	Two coats of cement sand plaster (1:3) and final quartz plaster to	m2	125.00		0.00
6.3	Supply and fix 330 x 300 x 8mm thick non slip ceramic floor tiles	m2	70.00		0.00
6.4	Supply and fix 220x20mm wide terrazo window sill with cement	ml	10.80		0.00
6.5	Supply and fix 100x10mm wide porcelain skirting with cement	ml	75.00		0.00
6.6	Supply and fix 8 mm thick chip wood ceilings as per the	m2	70.00		0.00





## ETHIOPIA OPERATIONAL HUB (ETOH)

## BILLS OF QUANTITIES

## RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA

## Semeret Helath Post

**Bidder Legal Name:**

	STAFF RESIDENCE BUILDING			RATE	
6.7	100 mm thick Concrete pavement around the building bedded on 100 mm thick 5 mm thick concrete	m2	41.00		0.00
	<b>Total Carried to summary USD</b>				<b>0.00</b>
<b>7</b>	<b>GLAZING</b>				
7.1	Supply and fix 5 mm thick clear glass. Price shall include all the	m2	15.00		0.00
7.2	Ditto but 5mm thick figured type glass	m2	4.60		0.00
	<b>Total Carried to summary USD</b>				<b>0.00</b>
<b>8</b>	<b>PAINTING</b>				
8.1	Apply three coats of plastic emulsion paint to internally gypsum	m2	195.00		0.00
8.2	Ditto as item 8.1,but, to external wall surface and concrete gutter.	m2	125.00		0.00
8.3	Apply three coats of plastic emulsion paint to chip wood ceiling	m2	70.00		0.00
8.4	Apply one coat of primer and two coats of synthetic enamel paint	m2	80.00		0.00



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Semeret Helath Post

Bidder Legal Name:

	STAFF RESIDENCE BUILDING			RATE	
	Total Carried to summary USD				0.00
	ELECTRICAL INSTALLATIONS				
	BLOCK 2( STAFF RESIDENCE )				
	The Bill of Quantities, Specifications, Drawings and all other				
	Supply and installation in accordance with the conditions defined in the				
	in written pieces, specification, drawings and other elements of the				
2.1	Low Voltage Switchboard				
	Flash mounted distribution board, named SDB-2 with sheet		1.00		\$0.00
2.2	INTERIOR LIGHTING				
2.2.1	Type: L1	NO	2		\$0.00
	4 LED Slim Down light surface type 18W 2000 K/1450lm IP 44				
2.2.2	Type: L3	NO	6.00		\$0.00
	126W led panel light 2600lm IP 40				
2.3	LIGHTING CONTROL DEVICES				
2.3.1	Two way switch, surface mounting	NO	8		\$0.00
2.3.2	Single pole switch, surface mounting	NO	3		\$0.00
2.3.3	Surface or Recessed mounting Connection Box	NO	8		\$0.00
2.4	Electrical Power cables 0.6/1KV (NYY) Enclosed in a				
2.4.1	2x 1.5 mm <sup>2</sup> Cu/ XLPE/ LSZH	M	220		\$0.00
	Metric Rigid Conduit: Enclosed in a recessed or surface conduiting:				



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Bidder Legal Name:

	<b>STAFF RESIDENCE BUILDING</b>			<b>RATE</b>	
2.4.2	PE PVC Ø 16 mm	M	200		\$0.00
<b>2.5</b>	<b>General Purpose Power Outlet</b>				
2.5.1	16A ,1ph ,220V 2p+e socket out let point for flush type in thermoplastic conduit of diameter 16mm fed by PVC copper conductor	No	7		\$0.00
	Flush and surface Mounting Boxes:				
2.5.2	Surface or Recessed mounting Connection Box	NO	7		\$0.00
<b>2.6</b>	<b>Electrical Power cables 0.6/1KV (NYY) Enclosed in a</b>				
2.6.1	3x 2.5 mm² Cu/ XLPE/ LSZH	M	80		\$0.00
	Metric Rigid Conduit:				
	Enclosed in a recessed or surface conduiting:				
2.6.2	PVC Ø 16 mm	M	70.00		\$0.00
<b>2.7</b>	<b>FIRE ALARM SYSTEM</b>				
2.7.1	Battery operated standalone optical smoke detector	NO	3		\$0.00
<b>2.8</b>	<b>Final Work</b>				
2.8.1	Testing all the work ,Commissioning and Verification,	Gv	1		\$0.00
	<b>Total Carried to summary USD</b>				<b>0.00</b>

	<b>Name of Signatory:</b>	
	<b>Designation:</b>	
	<b>Signature:</b>	



**ETHIOPIA OPERATIONAL HUB (ETOH)**

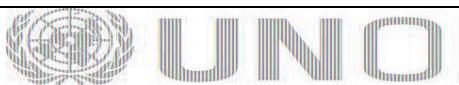
**BILLS OF QUANTITIES**

**RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA**

**Semeret Helath Post**

**Bidder Legal Name:**

	<b>STAFF RESIDENCE BUILDING</b>			<b>RATE</b>	
	<b>Date Signed:</b>				



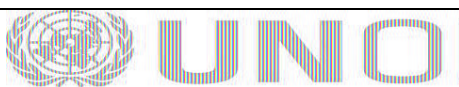
ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)

BILLS OF QUANTITIES

RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA

Bidder Legal Name:

TOILET				RATE	
	<u>SUMMARY</u>				
A.	<u>SUB-STRUCTURE</u>				
1	EXCAVATION & EARTH WORK	USD	0.00		
2	CONCRETE WORK	USD	0.00		
3	MASONRY WORK	USD	0.00		
	<b>SUB-TOTAL A</b>	<b>USD</b>	<b>0.00</b>		
B.	<u>SUPER-STRUCTURE</u>				
1	CONCRETE WORK	USD	0.00		
2	BLOCK WORK	USD	0.00		
3	ROOFING	USD	0.00		
4	METAL WORK	USD	0.00		
5	STEEL STRUCTURE	USD	0.00		
6	FINISHING	USD	0.00		
7	GLAZING	USD	0.00		
8	SANITARY WORKS	USD	0.00		



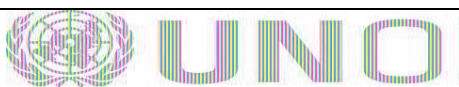
ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)

BILLS OF QUANTITIES

RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA

Bidder Legal Name:

	<b>TOILET</b>			<b>RATE</b>	
9	ELECTRICAL INSTALLATIONS	USD	0.00		
	<b>SUB-TOTAL B</b>	<b>USD</b>	<b>0.00</b>		
	<b>TOTAL A+B</b>	<b>USD</b>	<b>0.00</b>		
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
<b>A.</b>	<b><u>SUB-STRUCTURE</u></b>				
1	EXCAVATION & EARTH WORK				
	<u>Pricing notes:</u>				
	A) Prices generally are to include for provision of all				
	B) Prices generally are to include for all necessary scaffolds,				
	C) Prices generally are to include for making good of any				
	D) Prices generally are to include for the clearing away and				
1.1	Clearing of the site to remove top soil and other rubbish materials	m2	72.00		0.00
1.2	Trench excavation for stone masonry foundation wall in ordinary	m3	28.00		0.00



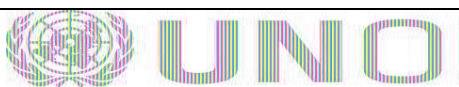
**ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)**

**BILLS OF QUANTITIES**

**RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA**

**Bidder Legal Name:**

	<b>TOILET</b>			<b>RATE</b>	
1.3	Bulk excavation in ordinary soil to a depth not exceeding 1500-	m3	71.00		0.00
1.4	Bulk excavation in ordinary soil to a depth not exceeding 1500-	m3	102.00		0.00
1.5	Back fill under hard core with selected material, well rammed in	m3	7.50		0.00
1.6	Cart away excavated material.	m3	51.50		0.00
1.7	250mm thick basaltic or equivalent stone hard core well rolled,	m2	15.00		0.00
<b>Total carried to summary USD</b>					<b>0.00</b>
<b>2.0</b>	<b>CONCRETE WORK</b>				
	<b>Pricing notes:</b>				
	<b>A) The costs of Concrete shall include making, storing and</b>				
	<b>B) Price for concrete shall include placing concrete by</b>				
	50mm thick lean concrete in class C-5, minimum cement content				
2.1	Under grade beams.	m2	1.80		0.00
2.2	Ditto as item 2.1, but, under masonry foundation wall.	m2	45.00		0.00



**ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)**

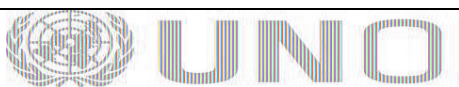
**BILLS OF QUANTITIES**

**RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA**

**Bidder Legal Name:**

	<b>TOILET</b>			<b>RATE</b>	
	Reinforced concrete in C-25, minimum cement content of 360				
2.3	In grade beams.	m3	3.70		0.00
2.4	In 100mm thick ground floor slab and ramp	m2	41.60		0.00
	Formwork shall be timbered or steel or a combination of two,				
2.5	To Grade beams and ramp	m2	34.00		0.00
2.6	In 100mm thick suspended ground slab.	m2	23.00		0.00
	Steel bar reinforcement according to structural drawings.				
2.7	Diam 16mm Deformed bar.	kg	71.00		0.00
2.8	Diam 12mm Deformed bar.	kg	258.00		0.00
2.9	Diam 10mm Deformed bar.	kg	292.00		0.00
2.10	Diam 8mm Deformed bar.	kg	178.00		0.00
<b>Total carried to summary USD</b>					<b>0.00</b>





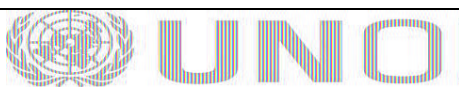
ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)

BILLS OF QUANTITIES

RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA

Bidder Legal Name:

	TOILET			RATE	
3	MASONRY WORK				
3.1	Basaltic or equivalent stone masonry foundation wall bedded in	m3	79.00		0.00
3.2	Ditto as item 3.1, but, above NGL.	m3	5.50		0.00
Total Carried to summary USD					0.00
B.	SUPER -STRUCTURE				
1	CONCRETE WORK				
	<u>Pricing note:</u>				
	COSTS OF TESTS				
	A) The costs of Concrete shall include making, storing and				
	B) Price for concrete shall include placing concrete by				
	Reinforced concrete in C-25, minimum cement content of 360				
1.1	In elevation columns.	m3	0.60		0.00
1.2	In top tie beams.	m3	1.30		0.00



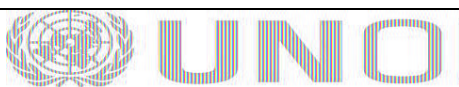
ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)

BILLS OF QUANTITIES

RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA

Bidder Legal Name:

TOILET				RATE	
	Formwork shall be timbered or steel or a combination of two,				
1.3	To elevation columns.	m2	11.00		0.00
1.4	To top tie beams.	m2	12.60		0.00
	Steel bar reinforcement according to structural drawings.				
1.5	Diam.14mm.deformed bar.	kg	144.00		0.00
1.6	Diam.12mm.deformed bar.	kg	80.00		0.00
1.7	Diam.8mm.deformed bar.	kg	59.00		0.00
Total carried to summary USD					0.00
2	BLOCK WORK				
2.1	Supply and lay 200mm thick approved type Hollow Concrete	m2	57.50		0.00
2.2	Supply and lay 150mm thick approved type Hollow Concrete	m2	17.00		0.00
Total carried to summary USD					0.00



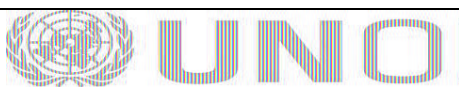
# ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)

## BILLS OF QUANTITIES

### RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA

**Bidder Legal Name:**

	TOILET			RATE	
3	ROOFING				
3.1	Supply and fix 0.4mm thick precoated/precoloured EGA 500 roof	m2	25.60		0.00
3.2	Supply and fix 0.5mm thick galvanized flat metal sheet gutter	ml	7.50		0.00
3.3	Supply and fix 250x25mm wooden fascia board. Price shall	ml	7.50		0.00
3.4	Supply and fix diam 110mm PVC down pipe. Price shall include	ml	5.50		0.00
Total carried to summary USD					0.00
4	METAL WORK				
	Supply and fix 38mm thick LTZ frame doors and windows all as				
4.1	Door size 1000x2400mm.	no	1.00		0.00
4.2	Door size 800x2400mm.	no	4.00		0.00
4.3	W1 size 600x400mm.	no	5.00		0.00
Total carried to summary USD					0.00
5	STEEL STRUCTURE				



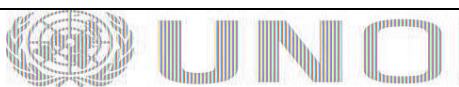
# ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)

## BILLS OF QUANTITIES

### RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA

**Bidder Legal Name:**

	TOILET			RATE	
	Supply and erect steel roof structure all according to size and				
5.1	RHS size 100x60x3.0mm	kg	107.50		-
5.2	RHS size 80x40x3.0mm	kg	190.00		-
5.3	Plate size 250x150x6mm for truss and beam/column connection.	pc	8.00		-
5.4	Angel plate size 150x150x6mm for truss and plate connection.	pc	16.00		-
5.5	M16 "J" bolt (DL=250mm) anchored to concrete with nut.	pc	16.00		-
Total carried to summary USD					-
6	FINISHING				
	Finishing work includes all surface pre cleaning, removal of				
6.1	Apply two coats of Cement sand plaster (1:3) finish to internal	m2	84.00		0.00
6.2	Apply approved type water proofing (cementious adhesive)	m2	84.00		0.00
6.3	Apply two coats of cement sand plaster (1:3) and final quartiz	m2	64.00		0.00



**ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)**

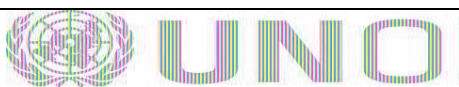
**BILLS OF QUANTITIES**

**RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA**

**Bidder Legal Name:**

	<b>TOILET</b>			<b>RATE</b>	
6.4	Apply 50mm thick polished cement screed floor. Price shall	m2	38.50		0.00
6.5	Supply and fix 250x20mm wide terrazo door sill with cement sand	ml	4.20		0.00
6.6	Supply and fix 250x25mm thick terazzo window sill.	ml	3.00		0.00
6.7	Supply and fix 100x10mm wide porcelain skirting with cement	ml	24.50		0.00
6.8	100 mm thick Concrete pavement around the building bedded on	m2	18.50		0.00
6.9	Supply and fix half circular concrete pipe of diamter 300 mm	ml	21.00		0.00
<b>Total Carried to summary USD</b>					<b>0.00</b>
<b>7</b>	<b>GLAZING</b>				
7.1	Supply and fix 5mm thick clear glass. Price shall include all the	m2	1.50		0.00
<b>Total Carried to summary USD</b>					<b>0.00</b>
<b>8</b>	<b>SANITARY WORKS</b>				
	<b>8.1 WATER SUPPLY SYSTEMS</b>				

	TOILET			RATE	
8.1.1	Supply and install approved quality of water plastic tank of 10,000 Litres (2000 Gallons) with 100mm (4 inch) diameter	No.	3.00		0.00
	Internal Water Supply Piping Systems				
8.1.2	Cold water pipes from reservoir and elevated tankers shall be High Density Polyethylene (HDPE) DN 40 (1.5 inch) minimum				
	(a) Water Supply Pipes: 25mm around the latrine	LM	20.00		0.00
	(b) Water Supply Pipes: 20mm around the latrine	LM	11.00		0.00
8.1.3	Supply and fix PPR service valves of approved standard, capable of withstanding PN 10 (10 bar) pressure				
	(a) Diameter 25 mm	Nr.	3.00		0.00
	(b) Diameter 20 mm	Nr.	2.00		0.00
8.1.4	Supply and fix R.A.K. or Equivalent, hand wash basins made of vitreous china (500mm x 300mm) (19.68 inch x 11.81 inch) (MC)				
	Brand: R.A.K.				
	Model: COMPACT	Nr	3.00		0.00
8.1.5	Supply and fix R.A.K. or Equivalent, white glazed vitreous china (500mm x 300mm) (19.68 inch x 11.81 inch) (MC)				
	Brand: R.A.K.				
	Model: COMPACT	Nr	1.00		0.00
8.1.6	Ditto as 8.1.5 but Water Closet (WC) to People with Disabilities (PWD)	Nr	1.00		0.00



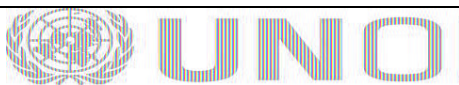
# ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)

## BILLS OF QUANTITIES

### RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA

**Bidder Legal Name:**

TOILET				RATE	
8.1.7	Supply and fix approved type ceramic squatting pan of size 520 x 400 x 100 mm	Nr	3.00		0.00
<b>8.2 WASTE WATER DRAINAGE SYSTEMS</b>					
8.2.1	Providing, laying and jointing of internal uPVC PN-6 waste pipes				
	(a) Diameter 50 mm	LM	10.00		0.00
	(b) Diameter 110mm	LM	26.00		0.00
8.2.2	Supply and build from stone masonry MH 60x60 cm including all	Nr.	5.00		0.00
<b>Total Carried to summary USD</b>					<b>0.00</b>
<b>ELECTRICAL INSTALLATIONS</b>					
<b>BLOCK 3( DRY LATRINE )</b>					
<b>The Bill of Quantities, Specifications, Drawings and all other</b>					
Supply and installation in accordance with the conditions defined in the					
in written pieces, specification, drawings and other elements of the					
<b>2.1 INTERIOR LIGHTING</b>					
2.1.1	Type: L1	NO	2.00		\$0.00
	LED Slim Down light surface type 18W, 3000 K/ 1450 lm , IP 44,				
2.1.2	Type: L2	NO	5.00		\$0.00



**ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)**

**BILLS OF QUANTITIES**

**RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA**

**Bidder Legal Name:**

<b>TOILET</b>				<b>RATE</b>	
	LED Slim T8 fitting complete with tube 9w, driver included, 4000k, IP 65, min 2500hr lifetime. Operating voltage 220VAC or equivalent.				
<b>2.2</b>	<b>LIGHTING CONTROL DEVICES</b>				
2.2.1	Single pole switch, surface mounting	NO	6.00		\$0.00
2.2.2	Surface or Recessed mounting Connection Box	NO	10.00		\$0.00
<b>2.3</b>	<b>Electrical Power cables 0.6/1KV (NYY) Enclosed in a</b>				
2.3.1	2x 1.5 mm <sup>2</sup> Cu/ XLPE/ LSZH	M	70.00		\$0.00
	Metric Rigid Conduit: Enclosed in a recessed or surface conduiting:				
2.3.2	PE PVC Ø 16 mm	M	60.00		\$0.00
<b>2.4</b>	<b>Final Work</b>				
2.4.1	Testing all the work ,Commissioning and Verification,	Gv	1.00		\$0.00
<b>Total Carried to summary USD</b>					<b>0.00</b>
<b>Name of Signatory:</b>					
<b>Designation:</b>					
<b>Signature:</b>					
<b>Date Signed:</b>					





# ETHIOPIA OPERATIONAL HUB (ETOH)

## BILLS OF QUANTITIES

Semeret Health Post

**Bidder Legal Name:**

ELECTRICAL WORKS					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>4</b>	<b>SITE</b>				
<b>4.1</b>	<b>Cable and Wire:</b>				
	Sheathed PVC Insulated power cable type Euro cable NYY or equivalent 0.6/1KV solid stranded or equivalent to be drawn inside cement or PVC conduit (measured elsewhere) from MDB to hybrid inverter ; from mdb to SDB, from inverter to SDB ; Compatible standards or equivalent and type approved.				
	Cable sizes include:				
4.1.1	3x 2.5 mm2	m	40.00		\$0.00
4.1.2	3x 4 mm2	m	60		\$0.00
4.1.3	3x 6 mm2	M	20.00		\$0.00
<b>4.2</b>	<b>FIRE FIGHTING SYSTEM</b>				
4.2.1	Carbon dioxide extinguisher (CO2), 5 Kgs	NO	2.00		\$0.00
4.2.2	ABC Chemical Extinguisher; 6kg	NO	2.00		\$0.00
4.2.3	9kg portablewater type fire extinguisher	NO	1.00		\$0.00
<b>4.3</b>	<b>CONDUITS &amp; PIPES</b>				
4.3.2	PVC pipe of 32mm diameter.	M	80.00		\$0.00
<b>4.4</b>	<b>Earthing and site reticulation</b>				
4.4.1	Copper earthing rod of 1600x16mm inside earth pit of 400x400mm to achieve earth resistance of less than or equal to 5 Ohms as per design documents.	pcs	1.00		\$0.00
4.4.2	copper conductor of 1x6 mm2 from main earthing bar inside MDB to	M	30.00		\$0.00

4.4.3	Construct manholes of size size 400x400x400mm as per issued design documents.	pcs	9.00		\$0.00
4.4.4	Excavation of 50cm width by 70cm depth cable trench including cable laying as per provided detail drawings	M	80.00		\$0.00
4.4.5	Supply and install warning tape for underground cable laying	M	80.00		\$0.00
4.4.6	Supply and install UPVC 50 mm for site underground Electrical cable laying	M	25.00		\$0.00
4.5	<b>Final Work</b>				
4.5.1	Testing all the work ,Commissioning and Verification,	Gv	1.00		\$0.00
	<b>Total carried to summary USD</b>				<b>0.00</b>
	<b>Name of Signatory:</b>				
	<b>Designation:</b>				
	<b>Signature:</b>				
	<b>Date Signed:</b>				



**ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)**

**BILLS OF QUANTITIES**

**RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA**

**Bidder Legal Name:**

	<b><u>WASH-SANITARY WORKS</u></b>			<b>RATE</b>	
	<b><u>SUMMARY</u></b>				
	<b><u>WASH-SANITARY WORKS</u></b>				
<b>1</b>	<b>SITE WATER SUPPLY SYSTEMS</b>	<b>USD</b>	<b>0.00</b>		
<b>2</b>	<b>SITE WASTE WATER DRAINAGE SYSTEMS</b>	<b>USD</b>	<b>0.00</b>		
<b>3</b>	<b>STORM WATER DRAINAGE SYSTEM</b>	<b>USD</b>	<b>0.00</b>		
<b>4</b>	<b>WATER POINT</b>	<b>USD</b>	<b>0.00</b>		
<b>5</b>	<b>FIRE FIGHTING &amp; SIGNAGE</b>	<b>USD</b>	<b>0.00</b>		
<b>6</b>	<b>GENERAL ITEMS</b>	<b>USD</b>	<b>0.00</b>		
	<b>SUB-TOTAL (EXTERNAL WORKS)</b>	<b>USD</b>	<b>0.00</b>		
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
<b>1</b>	<b>WATER SUPPLY SYSTEMS</b>				
	Water Reservoir				
1.1	Supply and install approved quality of water plastic reservoir tank	No.	1.00		0.00
1.2	Supply and install approved quality of elevated water plastic tank	No.	1.00		0.00



1.3	Supply and install approved quality of water plastic tank of 10,000 litre capacity (fiber glass or equivalent) on the ground for collecting rainwater as shown on the Sanitary drawing and site plan. Tanker shall be with inlet Dia.110 PVC pipe connected to tanker, manhole and cover, outlet and dia.20mm tap as per drawings. Price shall include 150mm thick reinforced concrete bottom slab i.e. dia.8c/c200 top & bottom which serves as seat for the reservoir.	Nr	2.00		0.00
	Domestic water transfer Pumping system				
1.4	Single impeller centrifugal pump; Q=2.5 m <sup>3</sup> /hr ; 20 meters head; Power 0.75 Kw complete with pump control panel with auto operation, manual operation and manual off positions, terminals for incoming source tank low level sensor low level start, high level stop sensors for destination tank	No.	2.00		0.00
1.5	Pump House: Pump house, 1000*1000*1500 mm, L*W*H; made	No.	1.00		0.00
	Site Water Supply Piping Systems				
1.6	Cold water pipes from reservoir and elevated tankers shall be				
1.6.1	Site Water Supply Pipes: 40mm from water reservoir to Elevated	LM	120.00		0.00
1.6.2	Site Water Supply Pipes: 32mm from elevated water tanker to	LM	45.00		0.00
1.6.3	Site Water Supply Pipes: 25mm around the latrine	LM	25.00		0.00
1.6.4	Site Water Supply Pipes: 20mm around the latrine	LM	35.00		0.00



1.7	Supply and fix PPR service valves of approved standard, capable of resisting PN-10 on internal branch and pipe inlet to toilet, etc; of the following size and as where shown on the drawing. Diameter 20mm				
1.7.1	Diameter 40 mm	Nr.	2.00		0.00
1.7.2	Diameter 32 mm	Nr.	2.00		0.00
1.7.3	Diameter 25 mm	Nr.	4.00		0.00
1.7.4	Diameter 20 mm	Nr.	5.00		0.00
<b>Total Carried to summary USD</b>					<b>0.00</b>
<b>2</b>	<b>WASTE WATER DRAINAGE SYSTEMS</b>				
2.1	Providing, laying and jointing of internal uPVC PN-6 waste pipes				
2.1.1	Diameter 50 mm	LM	3.00		0.00
2.1.2	Diameter 110mm	LM	22.00		0.00
2.2	Supply and build from stone masonry MH 60x60 cm includig all	Nr.	3.00		0.00
2.3	Supply and Install vent pipe of diameter 75mm PVC to the septic	LM	2.00		0.00
2.4	Construct septic tank of 25 m3 capacity for size 3500 x 6700mm	LS	1.00		0.00
2.5	Construct diameter 200cm soakaway pit of depth minimum 2.0m made of rubble masonry wall and covered with reinforced concrete top slab and with all accessories and necessary works (crushed stone, coarse gravel...) to make the work complete as shown on the drawing.	LS	2.00		0.00



2.6	Supply & fix 50mm diameter floor drain made of enameled cast-	Nr	2.00		0.00
2.7	Trapped gully type GU, size 250x250mm (internally), as per detail	Nr	2.00		0.00
2.8	500mm thick masonry wall/fence around water reservoir with	Nr	1.00		0.00
<b>Total Carried to summary USD</b>					<b>0.00</b>
<b>3</b>	<b>STORMWATER DRAINAGE SYSTEM</b>				
3.1	Supply and construct diameter 30 cm reinforced concrete pipe at crossings of driveway, parking and walkways. Pipe shall be bedded on sand as per drawings.	LM	7.50		0.00
<b>Total Carried to summary USD</b>					<b>0.00</b>
<b>4</b>	<b>WATER POINT</b>				
4.1	Construct water point of 4200mm x 840mm x 1300 mm high made of stone masonry wall binded with sement mortar and finished with cement pointing as per the detail drawing. The cost shall include stone masonry foundation of 500mm depth, water supply connections, taps, P-smell trap, drainage system and all the necessary civil works to make the work complete standard, PN-10 on internal branch and pipe inlet	Nr.	1		0.00
<b>Total Carried to Summary (USD)</b>					<b>0.00</b>
<b>5</b>	<b>FIRE FIGHTING &amp; SIGNAGE</b>				



5.1	9 liter portable H2O (Water) fire extinguisher. Capacity: 9 Liter; testing pressure 30 Bar;working pressure 14 Bar; min jet range 6 -7 meters;jet maintain for min seconds -30s;min percentage of discharge 95;cylinder -seamless IS-7285;coating - enamel paint	Nr	6.00		0.00
5.2	6 kg co2 portable fire extinguishers. Capacity: 6 Kg, Fire rating 183B, Average range of throw 4.5m, Expelling agent- Co2, Wall mounting bracket.	Nr.	3.00		0.00
5.3	Allow for signage for exit doors and location of portable fire	LS	1.00		0.00
<b>Total carried to summary USD</b>					<b>0.00</b>
<b>6</b>	<b>GENERAL ITEMS</b>				
6.1	Allow for Testing and commissioning of the entire plumbing	LS	1.00		0.00
6.2	All sanitary fittings supplied shall be provided with a minimum 5	LS	1.00		0.00
6.3	Allow for preparation of Operationa and Maintenance Manual	LS	1.00		0.00
<b>Total carried to summary USD</b>					<b>0.00</b>
	<b>Name of Signatory:</b>				
	<b>Designation:</b>				
	<b>Signature:</b>				
	<b>Date Signed:</b>				



**ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)**

**BILLS OF QUANTITIES**

**RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA**

**Bidder Legal Name:**

	<b>EXTERNAL WORKS</b>			<b>RATE</b>	
	<b>SUMMARY</b>				
	<b>EXTERNAL WORKS</b>				
1	<b>SITE EARTHWORKS</b>	<b>USD</b>	<b>0.00</b>		
2	<b>DRIVEWAY, CIRCULATION AND PARKING</b>	<b>USD</b>	<b>0.00</b>		
3	<b>PERIMETER FENCE (20 LM)</b>	<b>USD</b>	<b>0.00</b>		
4	<b>LANDSCAPING WORKS</b>	<b>USD</b>	<b>0.00</b>		
	<b>SUB-TOTAL (EXTERNAL WORKS)</b>	<b>USD</b>	<b>0.00</b>		
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
1	<b>SITE EARTHWORKS</b>				
1.1	Bulk excavation in ordinary soil for internal roads, parking and	m3	311.00		-
1.2	Back fill under internal roads, buildings, circulation and parking areas with borrowed selected material, well rammed in layers of 200mm thick and compacted at dry density and optimum moisture content to achieve 95% standard proctor.	m3	187.00		-
1.3	Cartaway surplus soil away from the site as directed by the	m3	311.00		-
	<b>Total Carried to summary USD</b>				<b>0.00</b>





<b>2</b>	<b>DRIVEWAY, CIRCULATION AND PARKING</b>				
2.1	Supply and lay approved type local Cobble Stone for driveway, parking and circulation on 100mm thick Fine aggregate/00 crushed stone , 200mm thick 02 gravel and 500mm thick fill under gravel to maintain the desired level with selected borrowed material and compact in layers not exceeding 200mm to achieve 95% standard proctor and joint filled with Fine aggregate. Price shall include excavation, fill work and all other incidental works to maintain the levels indicated on the site plan..	m2	622.00		-
2.2	Supply & lay Concrete Curb stone Size 400x200mm joints	ml	534.00		-
	<b>Total Carried to Summary (USD)</b>				<b>0.00</b>
<b>3</b>	<b>PERIMETER FENCE (20 LM)</b>				
3.1	Masonry Foundation: Execute 400mm thick stone masonry	m3	8.00		-
3.2	Reinforced concrete in C-25, minimum cement content of 360				
3.2.1	1000 x 1000 mm Concrete Footings	m3	0.60		-
3.2.2	200 x 400 mm Concrete Ground Beams	m3	2.50		-
3.2.3	200 x 400 mm Concrete Columns	m3	1.70		-
3.3	Formwork shall be timbered or steel or a combination of two,				
3.3.1	To Footings	m2	2.40		-
3.3.2	To Ground Beams	m2	12.00		-
3.3.3	To Vertical Columns	m2	30.00		-



3.4	Steel bar reinforcement according to structural drawings. Reinforcement shall be free from dirt, oil, grease, paint, readers, etc and any other substances which may affect the reinforcement and concrete bond (price include cutting, bending, placing in position and tying wires.				
3.4.1	To Footings	Kg	25.00		-
3.4.2	To Ground Beams	Kg	105.00		-
3.4.3	To Vertical Columns	Kg	127.00		-
3.5	500mm.thick semi dressed masonry external wall fence bedded	m2	16.00		-
3.6	Supply and fix approved metal grill fence made of metal grill of the sizes as per the drawing. Column Stand Rectangular Hollow Section of 70x50x3mm. Vertical Grill: RHS 50x50x3mm and RHS 30x30x3mm Horizontal Grill: RHS 50x50x3.	m2	19.00		-
3.7	Supply and fix approved external main gate of 5000mm wide x	Nr	1.00		-
3.8	Supply and fix approved external pedestrian gate of 1800mm wide x 2400 mm high made of metal grill and metal sheet cover of the sizes as per the drawing. Column Stand Rectangular Hollow Section of 70x50x3mm. Vertical Grill: RHS 50x50x3mm and RHS 30x30x3mm Horizontal Grill: RHS 50x50x3 and 0.5mm thick metal sheet cover complete with all locks, hinges and accessories to make the work complete.	Nr	1.00		-
<b>Total Carried to Summary (USD)</b>					<b>0.00</b>
<b>4</b>	<b>LANDSCAPING WORKS</b>				



4.1	Landscaping works that include soil, leveling and planting of	LS	1.00		-
4.2	Planting of 50 Fruit tress, Graveilea Robusta tress and Grar tress	LS	1.00		-
	<b>Total Carried to Summary (USD)</b>				<b>0.00</b>
	<b>Name of Signatory:</b>				
	<b>Designation:</b>				
	<b>Signature:</b>				
	<b>Date Signed:</b>				



ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)

BILLS OF QUANTITIES

RESPONSE -RECOVERY-RESILIENCE FOR CONFLICT AFFECTED COMMUNITIES IN ETHIOPIA

Bidder Legal Name:

	DAY WORKS			RATE	
	SUMMARY				
1	LABOUR	Birr	0.00		
2	MATERIAL	Birr	0.00		
3	PLANT	Birr	0.00		
	TOTAL	Birr	0.00		
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	(ALL PROVISIONAL)				
	In accordance with the Conditions of Contract, the Contractor will				
1	LABOUR				
1.1	MASON	hours	1		0.00



# ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)

## BILLS OF QUANTITIES

1.2	CARPENTER	hours	1		0.00
1.3	SCAFFOLDER	hours	1		0.00
1.4	JOINER	hours	1		0.00
1.5	PLUMBER	hours	1		0.00
1.6	ELECTRICIAN	hours	1		0.00
1.7	PLASTERER	hours	1		0.00
1.8	PAINTER	hours	1		0.00
1.9	LABOURER	hours	1		0.00
	TOTAL in ETB				0.00
1.10	To the basic net rates of labor used for work carried out on day				
			25%		0.00
	To collection of Labour Day works				0.00



**ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)**

**BILLS OF QUANTITIES**

<b>2</b>	<b><u>MATERIALS</u></b>				
2.1	Cement	Per Tonne	1		0.00
2.2	Sand	m3	14		0.00
2.3	Aggregate (grade 25 - 5mm)	m3	14		0.00
2.4	Steel reinforcement				
	(i) Mild steel bar	Kg	1		0.00
	(ii) High tensile bar	Kg	1		0.00
2.5	Timber formwork	Per SQ.M	1		0.00
2.6	Paint, Gloss	Per 4 Litres	1		0.00
2.7	Paint, Emulsion	Per 4 Litres	1		0.00
2.8	Mahogany Varnish	Per 4 Litres	1		0.00
2.9	100mm diameter uPVC rainwater downpipe 6M	Per Each	1		0.00



# ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)

## BILLS OF QUANTITIES

2.10	Ditto bends	Per Each	1		0.00
2.11	Ditto offsets	Per Each	1		0.00
2.12	Ditto watershoe	Per Each	1		0.00
2.13	Fixing brackets	Per Each	1		0.00
2.14	Fixing screws	Per Packet	1		0.00
2.15	75mm thick x 375mm wide weather/throated cills	Per M	1		0.00
2.16	4 mm Clear sheet glass	Per SQ.M.	1		0.00
2.17	100mm long Flush bolt	Per Each	1		0.00
2.18	Indicator Signage	Per Each	1		0.00
2.19	400mm x 200mm x 100mm hollow concrete blocks	Per 1000	1		0.00
2.20	300mm x300mm x 8mm Ceramic floor tiles	Per SQ.M.	1		0.00
2.21	150mm x 150mm x 6mm white glazed wall tiles	Per SQ.M.	1		0.00



# ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)

## BILLS OF QUANTITIES

2.22	25mm x 3mm earth copper tape	Per M	1		0.00
2.23	35mmsq bare copper cable	Per M	1		0.00
2.24	6mmsq bare copper cable	Per M	1		0.00
2.25	2.5mmsq. TWE copper cable	Per M	1		0.00
2.26	2.5mmsq. SC PVC-I copper cable	Per M	1		0.00
2.27	4.0mmsq. SC PVC-I copper cable	Per M	1		0.00
2.28	10.0mmsq. 3C PVC-SWA-PVC copper cable	Per M	1		0.00
2.29	20mm diameter galvanised steel tubing 6M	Per M	1		0.00
2.30	20mm diameter galvanised steel tee	Per Each	1		0.00
2.31	20-15mm diameter reducer	Per Each	1		0.00
2.32	110mm diameter uPVC soil pipe 6M	Per Each	1		0.00
2.33	50mm ditto waste pipe 6M	Per Each	1		0.00





## ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)

### BILLS OF QUANTITIES

2.34	110mm ditto single branch access	Per Each	1		0.00
2.35	50mm ditto sweep tee	Per Each	1		0.00
2.36	Single bowl, single drainer stainless steel sink size 2000 x 800	Per Each	1		0.00
	To Collection				0.00
2.37	To the basic nett rates of materials used for work carried out on				
			0.25		0.00
	To collection of Material Day works				0.00
<b>3</b>	<b><u>PLANT</u></b>				
3.1	Portable Compressor with 2 breakers or equivalent with 1500 mm	hours	40		0.00
3.2	Damp Truck (0.75 tonne)	hours	40		0.00
3.3	Lorry seven tonne tipper	hours	40		0.00



# ETHIOPIA MULTI-COUNTRY OFFICE (ETMCO)

## BILLS OF QUANTITIES

3.4	Concrete Mixer (14/10) complete for weight batch mixing	hours	40		0.00
3.5	50 mm self priming centrifugal pump with hose and ancillary				
		hours	40		0.00
3.6	Concrete Vibrators	hours	40		0.00
TOTAL in ETB					0.00
3.7	To the basic rates of plant used for work carried out on dayworks,				
			0.25		0.00
To collection of Plant Day works					0.00
	Name of Signatory:				
	Designation:				
	Signature:				
	Date Signed:				