

**BoQ FOR CONSTRUCTION OF FOR MULTIPURPOSE STORAGE SPACE AT PALOTAKA CARITAS FIELD OFFICE SOUTH SUDAN**

ELEMENT	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST IN USD	TOTAL AMOUNT IN USD
<b>A EXCAVATION AND EARTHWORKS</b>					
<b>Site Clearance:</b>					
A1	Remove vegetation, tree stumps and take away from the site atleast 15000mm from the construction site	M <sup>2</sup>	85		
A2	Remove 150mm top soil and cart off site.	M <sup>2</sup>	85.0		
A3	Setout structure as per the design details unless otherwise changes come direct from client and approved by the Engineer	item	1.0		
A4	Excavate foundation trench of 13.9200mmx7.1900mm perimeter including trench for partition walls of 900mm deep as detailed in drawing. Ditto: but actual foundation depth to be determined at the site.	M <sup>3</sup>	21.6		
A5	Levelling and treaming of foundation trench to relatively to levelled and smooth surface ready to receive concrete footing	M <sup>3</sup>	21.6		
A6	Allow for anti termite treatment of the entire construction area including the surrounding area	1Ltr Tin	1.0		
<b>SUB-TOTAL EXCAVATION AND EARTH WORK</b>					<b>0.00</b>
<b>B SUB STRUCTURE</b>					
B1	150 mm thick grond beam 13.92mmx7.19mm perimeter inclusive partitions	M <sup>3</sup>	5.3		
B2	200 mm thick reinforced concrete columns to all corners at 900mm height and plain concrete for planting Verrandah poles				
	1:3:6 concrete	M <sup>3</sup>	0.7		
	Y12 Reinforcement bars	LM	20.0		
	Y6 Stirap/links at 10/10 CC	LM	28.8		
	Binding wire	Kg	0.5		
B3	230mm thick plinth wall embedded in 10mm thick cement sand mortar of 1:4 with hoop iron reinforcement at every after 03 coarses of building stone layer to perimeter and partition wall at 900mm just above the ground level				
	Building stone of relatively 230x115x57.5mm to perimeter and partition wall	M <sup>2</sup>	43.8		
	1:4 Cement sand mortar	M <sup>3</sup>	4.4		
	Provide 12mm thick plaster to perimeter plinth wall	M <sup>2</sup>	32.6		
	Hoop iron	LM	142.0		
	Provide and apply in 02 coats of black bitumen to plinth wall	M <sup>2</sup>	27.6		
B4	Backfill in with approved soil material/murrum compacted to MDD including placement of hardcore at 25/25 CC well blinded ready for DPM materials and BRC Reinforcement				
	Approved red murrumm	M <sup>3</sup>	12.0		
	Hard core material	M <sup>3</sup>	11.2		
	Blinding material (pit sand)	M <sup>3</sup>	1.0		
	DPM Polythene placed with atleast 300mm overlap at the sides.	M <sup>2</sup>	85.3		
	A90 BRC for concrete reinforcement	M <sup>2</sup>	85.3		
	150mm thick vibrated reinforced concrete floor slab (1:2:4) Ditto: concrete to be well cured for atleast 14days	M <sup>3</sup>	13.0		
<b>SUB-TOTAL SUBSTRUCTURE</b>					
<b>C FORMWORK</b>					
C1	12x1" Sown timber to edges of floor slab, column box, and ring beam box	LM	55.5		
C2	75x50mm sown timber for props	LM	18.6		
	Ditto to Wall columns and foundation columns				
<b>SUB-TOTAL FORM WORK</b>					

D SUPERSTRUCTURE				
D1	230mm thick well burnt clay brick wall embedded in 10mm thick 1:4 cement sand mortar with hoop iron reinforcement at every after 03 courses of brick layer			
D2	230mm thick clay bricks at 2200mm high to beam level and 600mm high over beam	M <sup>2</sup>	125.9	
D3	10mm thick 1:4 cement sand mortar bed	M <sup>3</sup>	14.6	
D4	Hoop iron	LM	236.0	
D5				
D6	200x200mm reinforced wall column and ring beam of Y12 reinforcement bars tied with 200mm sq links at 10/10 CC			
D7	1:2:4 Concrete for casting column	M <sup>3</sup>	5.4	
D8	Y12 Reinforcement bars	LM	112.2	
D9	Y6 Stirraps	LM	132.4	
D10	Binding wire	Kg	3.0	
D11	4X4 Hardwood Timber for Verrandah Poles	LM	20.2	
<b>SUB-TOTAL SUPER STRUCTURE</b>				
E ROOFING				
E1	Wall plate, hardwood timber size 100x50mm	LM	52.8	
E2	Rafters, hard wood timber size 100x50mm	LM	73.0	
E3	Ties beam 150x50mm	LM	49.0	
E4	Ditto but to ties & struts	LM	50.4	
E5	Purlins, soft wood timber, size 75x50mm	LM	121.0	
E6	50x225 mm fascia board	LM	40.2	
E7	Galvanized corrugated iron sheet including connection to roof structure.	M <sup>2</sup>	97.0	
E8	Ridge cape	LM	12.1	
E9	Roofing Nails	Kg	15.0	
E10	Assorted Nails for the work (should be steel & tube made)	Kg	60	
E11	Rubber washers	Pkt	2	
E12	Provide and apply wood preservative to all timbers	20Ltr J'cane	1	
E13	Prepare and apply 03 coats of emulsion paint (white colour) to fascia board	2Ltr Tin	2	
<b>SUB-TOTAL ROOFING</b>				
F WALL AND FLOOR FINISHING				
F1	Apply 12mm thick 1:4 cement sand plaster to external wall surface	M <sup>2</sup>	90	
F2	Apply 12mm thick 1:4 cement sand rendering to internal wall surface including ceiling board	M <sup>2</sup>	180	
	Ditto: wall plaster and rendering to be well cured with sufficient water			
PAINTING				
F3	Prepare wall surfaces and apply 02 coats of undercoat paint	M <sup>2</sup>	270	
F4	Prepare and apply 03 coats of vinyl silk paint to internal wall surfaces including ceiling board (paint colour as directed by the engineer/client)	M <sup>2</sup>	90	
F5	Prepare and apply 03 coats of weather guard paint to external wall surfaces (paint colour as directed by the engineer/client)	M <sup>2</sup>	180	
F6	Apply 03 coats of skirting to both internal and external (paint colour as directed by engineer/client)	M <sup>2</sup>	17.5	
FLOOR FINISHING				
F6	Prepare floor surfaces and apply red oxide or any other approved floor finishing material in cement sand screed with an imaginary slope to ease cleaning	M <sup>2</sup>	52	
<b>SUB-TOTAL WALLING AND FLOOR FINISHING</b>				
G APRON CONSTRUCTION				

G1	Setout and excavate 360mmx400mm deep apron foundation	m <sup>3</sup>	19.44		
G2	230mm thick apron wall embeded in 10mm thick cement-sand mortar with 02 coarses just above the ground level				
G3					
G4	230mm thick well burnt clay bricks	M <sup>2</sup>	52		
G5	10mm thick cement-sand mortar	M <sup>3</sup>	5.2		
G6	Backfill with murrum and compact to MDD ready for casting	M <sup>3</sup>	2.48		
G7	100mm thick apron slab in 1:3:6 concrete mix	M <sup>3</sup>	3.84		
G8	Provide 12mm thick plastering to apron	M <sup>2</sup>	52		
G9	Prepare and apply cement sand screeding to apron	M <sup>2</sup>	52		
	<b>SUB-TOTAL APRON</b>				
<b>H</b>	<b>DOOR AND WINDOW</b>				
H1	Metall casement door vanishing (width = 2000mm, height = 2200mm).	No	2		
H2	Steel casement window with pvo (width = 1500m, height = 100m).	No	3		
	<b>SUB-TOTAL DOORS AND WINDOWS</b>				
	<b>SUMMARY</b>				
1	Total=Excavation and Earth work				
2	Total=Sub Structure				
3	Total=Form work				
4	Total=Super Structure				
5	Total=Roofing				
7	Total=Wall and floor finishes				
9	Total=Apon				
10	Total=Doors and Windows				
	<b>GRAND TOTAL</b>				