

Date:.....

Danish Refugee Council-Nertiti Base

Sida SDC WASH Project

BoQs for construction of VIP latrines at Water yard No.8 (BBC) at Nertiti



Item	Descriptions	Unit	Qty	Unit price	Total in SDG
<b>1</b>	<b>Pit Excavation:</b>				
1.1	Excavation of latrine pit <b>3000mm x 2200mm x3000mm</b> meters deep as per the drawing	M <sup>3</sup>	19.8		
<b>Sub Total (1)</b>					
<b>2</b>	<b>Pit Lining: 150mm reinforced concrete(1:2:4) with 12mm rebar at 150mm spacing- bottom slab and burnt red brick pit lining</b>				
2.1	<b>100mm</b> plain Concrete (1:3:6), dimensions <b>(3000*2200*150mm)</b> - Bottom Slab.	M <sup>3</sup>	0.66		
2.2	<b>150mm</b> reinforced Concrete (1:2:4), dimensions <b>(3000*2200*150mm)</b> - Bottom Slab, using Iron bar 12mm, rebar at 150mm spacing.	M <sup>3</sup>	0.99		
2.3	Supply and build the pit lining ( <b>1 1/2</b> brick thick wall) using Red Burnt Bricks in <b>1:6</b> cement sand mortar mix up to <b>30mm</b> above natural ground level.	M <sup>2</sup>	31.2		
2.4	Return, fill and compact the selected excavated soil around all the pit excavation	M <sup>3</sup>	0.5		
2.5	Provision of materials and Supply and place -Plain concrete <b>(1:3:6), (Cement, Sand, Gravel)</b> for access Ramp and area between the curtain wall and the latrine, the ramp should have slope of <b>3%</b> .	Job			
2.6	Pit Plastering using cement mix <b>(1:8)</b> , (Cement*Sand), including pit walls and bottom slab painted with water proof (Flancoat)	M <sup>2</sup>	37.8		
<b>Sub Total (2)</b>					
<b>3</b>	<b>Top Slab -150mm thick Reinforced circular concrete slab(1:2:4) with 12mm rebar at 150mm spacing, diameter 2.6meters</b>				
3.1	Supply and Cast insitu -Reinforcement concrete slab <b>(1:2:4</b> concrete mix), <b>150mm</b> thick, <b>3</b> meter * <b>2.6</b> meter, covering latrine pit using <b>12mm</b> diameter Rebar, <b>15cm</b> spacing between the bars, including smooth finishing, including provision of <b>2</b> manhole covers, also make <b>2</b> ordinary hole for latrine diameter <b>4 Inch</b> , provided with foot rest and urination basin.	M <sup>3</sup>	1.17		
<b>Sub Total (3)</b>					

4	Installation of handrail:				
4.1	Provision of materials and installation of a handrail, which should run the entire length of the grab side of the latrine. to enable getting in/out of the latrine. height <b>95cm</b> from the floor, and <b>4cm</b> from the wall to ensure good grip, diameter <b>1 inch</b> , and anchored to the wall.	PCs	4		
Sub Total (4)					
5	Walling & roofing: - construction of wall made from corrugated Iron sheet (ZINK sheet) and rectangular pipe (3*6cm, 1mm) for latrine 2 rooms:				
5.1	Digging foundation for latrine poles for wall & privacy wall dimensions ( <b>30*30*60cm</b> ), (Width*Depth).	M <sup>3</sup>	0.54		
5.2	Provision of materials and cast rectangular pipe ( <b>3*6cm, 1mm</b> ), <b>6m</b> , cast welding, for the latrine wall, roof and privacy wall, according to attached drawings.	PCs	13		
5.3	Provision of materials and installation of a corrugated Iron sheet <b>16ft</b> & <b>14 ft</b> , gauge <b>35</b> , with an overlapping of <b>10cm</b> between the sheets, using bolts with well fixing, for the wall, roof & privacy wall, according to attached technical drawings.	M <sup>2</sup>	44		
Sub Total (5)					
6	Installation of ventilation pipes:				
6.1	Supply and install -PVC vent pipe- <b>4 Inch</b> diameter, <b>4mm</b> thick - <b>6 meters</b> long + Caps	Pcs	1		
Sub Total (6)					
7	Fabrication and installation of Doors & ventilation Windows:				
7.1	Fabricated and instal - Painted Iron sheet <b>1mm</b> thickness door with rectangular pipe <b>4*8cm, 1mm</b> frame; Size: <b>80cm x 200cm</b> high overall, complete with all hinges, internal & external locks and handle with good painting from inside and outside and other accessories, and also do ventilation window dimensions ( <b>100cm*40cm</b> ), (Length*Hight) on the top of the door using heavy expanded Iron sheet size <b>6 kg</b> according to the attached design.	PCs	2		
7.2	Fabricate and install painted ventilation window dimensions ( <b>300*300mm</b> ), made from Iron angle ( <b>1*1 inch, 3mm</b> ), and heavy expanded Iron sheets size <b>6 kg</b> and provided with fine expanded iron sheet size <b>6kg</b> .	PCs	2		
Sub Total (7)					

8	Hand washing Facility: 50L Water Container and 1m high metallic stand of angle bars, as attached Design				
8.1	Provide materials & fabricate a hand-washing facility made from painted metallic cylinder, made from an Iron sheet of <b>3mm</b> thickness capacity <b>40L</b> , provided with <b>4 feet</b> made from Iron angle <b>2*2Inch, 3mm</b> , fixed on the ground using a concrete mix ratio <b>(1:3:6)</b> , (Cement, Sand, Gravel) dimensions <b>(30*30*50cm)</b> , (Length, Width, Depth), provided with a drainage system connected with soaking bit dimensions <b>60*60*80cm</b> filled with red bricks, painted with black color, connect using necessary fittings the handwashing facility with polyethylene pipeline length <b>20m</b> and G.I pipe length <b>2m</b> diameter <b>3/4inch</b> with valve <b>3/4inch</b> , and should be provided with floater inside the handwashing to control the flow of water, the hand washing container should be painted With DRC & it is donor logos, according to the technical drawings.	PCs	1		
Sub Total (8)					
Over all total in SDG					

SDG

Amount in words: (.....)

Prepared by: DRC Central Darfur WASH Team

Reviewd by: John Paul Mugo / WASH, Shalter & CCCM Coordinator

Contractor Name: \_\_\_\_\_

Contractor Address: \_\_\_\_\_

Contractor Phone No.: \_\_\_\_\_

Date: \_\_\_\_\_

Duration of completion of the work (in days): \_\_\_\_\_