

PROPOSED UNHCR STAFF WASHROOM, UNSOS COMPOUND, BAIDOA

ITEM	DESCRIPTION	QTY	UNIT	RATE (USD)	AMOUNT (USD)
1	<u>ELEMENT NO.1: SUBSTRUCTURES</u> (PROVISIONAL) (NOTE: Tenderer to allow for working space in their rates) <u>Site clearance</u>				
1.1	Clear site of all bushes, grass, scrubs and roots.	46	S.M		
1.2	Excavate over site to remove top vegetation soil 200mm	46	S.M		
	<u>Excavations</u> <u>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</u> <u>Foundation Trench</u>				
1.3	Excavate starting from stripped level a 600mm wide foundation trench to a depth of 1200mm (1.2m) in hard/rocky soil	25	C.M		
1.4	<u>Column bases (1300mm x 1300mm)</u> Excavate starting from stripped level a 1300mm wide by 1300mm length column bases to a depth of 1200mm (1.2m) in hard/rocky soil	7.5	C.M		
1.5	<u>Excavated material</u> Return, backfill and ram selected excavated material around foundation	33	C.M		
1.6	<u>Imported Filling</u> Supply, lay and compact approved 200mm thick hardcore rammed in layers not exceeding 100mm under the strip and column base foundation.	4	C.M		
	SUBSTRUCTURES SUB-TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE (USD)	AMOUNT (USD)
	<u>Concrete Works</u> <u>Rates of concrete works shall include all shuttering/formwork, making chamfered and curved edges, allowing for and making grooves, sleeves etc removal of forms and cleaning all exposed wires and rods, making good the harmed surfaces and edges and all surface finishing.</u> <u>100mm mass concrete blinding class 15/20 as described in:</u>				
1.7	Column bases (1300mm x 1300mm x 250mm)	11	S.M	35	
1.8	Strip foundation	21	S.M	35	
	<u>Vibrated reinforced concrete class 20mm; 1:2:4 20mm aggregate as described in:</u>				
1.9	Column bases (1300mm x 1300mm x 250mm)	2.5	C.M	400	
1.10	Foundation columns (200mm x 200mm)	0.3	C.M	400	
1.11	250mm thick strip foundation	5.1	C.M	400	
1.12	Ground/grade beam (300mm x 200mm)	2	C.M	400	
1.13	150mm thick ground floor slab	4.8	C.M	400	
	<u>Reinforcement</u> <u>Supply and fix steel bars in foundation concrete work including cutting, bending, hoisting, and tying wire, spacers bars and supporting all in position</u> <u>High tensile rolled square twisted reinforced bars to BS 4461 as described:-</u>				
1.14	8mm diameter	56	KG	6	
1.15	10mm ditto	290	KG	6	
	SUBSTRUCTURES SUB-TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE (USD)	AMOUNT (USD)
1.18	<u>Foundation walling</u> 200mm thick concrete hollow block internal and external walling bedded and jointed in cement and sand (1:4) mortar, built to courses in cement/sand mortar as described in: (mortar joints should not exceed 25mm thickness) Substructure hollow block walling as described above: reinforced with and including 20swg x 25mm wide hoop iron in every alternative course; height 0.95m.	34	S.M		
1.19	<u>Floor Slab</u> Supply and hand pack a 300mm thick hardcore to the ground floor area and compact in layers not exceeding 1500mm thick	8	C.M		
1.20	Supply, lay and compact 50mm thick approved murram blinding	27	S.M		
1.21	<u>Damp proof membranes</u> Supply and lay 1000 gauge polythene DPM (with 150mm laps) over the compacted murram blinding	27	S.M		
1.22	<u>Anti-termite treatment</u> Supply and apply approved anti-termite and herbicide treatment chemicals with a ten year guarantee to top of hardcore beds and around foundation walls	27	S.M		
1.23	<u>Mesh fabric reinforcement; B.S 4483</u> Supply and fix mesh fabric reinforcement no. A142 size 200 x 200mm weighing 2.22 kg per square metre in floor slab (measured net- no allowance made for laps; including bends tying wire and distant blocks.	27	S.M		
1.24	600mm x 600mm x 50mm precast concrete paving slabs key jointed in cement/sand mortar (1:3) laid to slight falls on wall compacted on 50mm thick murram bed	23	S.M		
	SUBSTRUCTURES SUB-TOTAL CARRIED TO COLLECTION				
	<u>COLLECTION</u>				
	Brought forward from page 01				
	Brought forward from page 02				
	Brought forward from page 03 above				
	TOTAL FOR SUBSTRUCTURES CARRIED TO THE MAIN SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE (USD)	AMOUNT (USD)
2.0	<u>ELEMENT NO.2: SUPERSTRUCTURE</u> <u>Rates of concrete works shall include all shuttering/formwork, making chamfered and curved edges, allowing for and making grooves, sleeves etc removal of forms and cleaning all exposed wires and rods, making good the harmed surfaces and edges and all surface finishing.</u> <u>Note: This element comprises all ring beams, columns, suspended roof slab and ribbed steel reinforcement</u> <u>Vibrated concrete class 25/20mm 1:2:4 - 20mm aggregate as described in:-</u>				
2.1	200mm x 200mm columns	0.7	C.M		
2.2	450mm x 200mm ring beams	2.5	C.M		
	<u>Reinforcement as described:-[PROVISIONAL]</u> <u>Supply and fix steel bars in foundation concrete work including cutting, bending, hoisting, and tying wire, spacers bars and supporting all in position</u> <u>High tensile rolled square twisted reinforced bars to BS 4461 as described:-</u>				
2.3	8mm diameter	70	KG		
2.4	10mm ditto	118	KG		
	<u>WALLING</u>				
	<u>200mm thick concrete hollow block internal and external walling bedded and jointed in cement and sand (1:3) mortar, built to courses in cement/sand mortar as described in: (mortar joints should not exceed 25mm thickness)</u> <u>External and internal walling</u>				
2.5	Superstructure hollow block walling as described above: reinforced with and including 20swg x 25mm wide hoop iron in every alternative course; height 2.55m.	90	S.M		
	<u>Damp Proof course</u> <u>Three ply bituminous felt damp proof course bedded in sand cement (1:3) mortar (measured net allow for laps) as described under:-</u>				
2.6	Supply and lay 200mm wide bituminous based damp proof course; BS743 laid 150mm minimum laps	34	L.M		
	TOTAL FOR SUPERSTRUCTURE CARRIED TO THE MAIN SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE (USD)	AMOUNT (USD)
3.0	<u>ELEMENT NO.3: ROOF CONSTRUCTION AND FINISHES</u> <u>The contractor is reminded to include in their pricing, the cost of supply, cutting waste and erecting. Timber to be treated as described in the specifications.</u>				
3.1	Supply and fix gauge 28, Box profile (blue colour) iron sheets including ridge cap; laid on treated timber purlins spaced at 1.2m and trusses, fixed with roof nails and neoprene washer washers and caps	52	S.M		
	<u>The following in 20 No. Second grade pressure impregnated cypress timber trusses including nails, lappers, and all the necessary for assembly and hoisting to position as per roofing details.</u>				
3.2	150mm x 50mm ceiling joist, ditto	30	L.M		
3.3	150mm x 50mm rafters	40	L.M		
3.4	150mm x 50mm, king posts, ties and struts	40	L.M		
3.5	75mm x 50mm treated timber for purlins	90	L.M		
3.6	250 x 25mm fascia board cut to shape	28	L.M		
3.7	100 x 50mm treated cypress timber wall plate beeded in cement sand mortar (1:3) bolted to concrete with and fixed with and including hoop iron fixed to ring beam	21	L.M		
3.8	Supply and fix heavy gauge PVC ceiling nailed on 100x50mm timber framing spaced at 600mm centres. Cost to include PVC/timber cornice	27	S.M		
3.9	<u>Painting and decorating</u> Painting and decorating (apply wood primer on back of timber before fixing) fascia board external	28	L.M		
	<u>Rain Water Disposal</u>				
3.10	150mm halfround heavy duty rainwater PVC gutters fixed into position with heavy duty brackets at 600mm centres	28	L.M		
3.11	Ditto for 150mm square rainwater outlet	4	NO.		
3.12	150mm halfround heavy duty PVC down pipes fixed with PVC holder bats	12	L.M		
3.13	Extra over ditto for swan-neck 800mm long	4	NO.		
3.14	Ditto rain water shoe	4	NO.		
	TOTAL FOR ROOFING CARRIED TO THE MAIN SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE (USD)	AMOUNT (USD)
4.0	ELEMENT NO.4: DOORS AND WINDOWS				
	<u>Timber Flush doors to B.S. 459</u>				
4.1	Supply and fix, timber flush doors overall size 900mm x 2100mm high and 200mm wide x 50mm thick hardwood door frames	4	NO.		
4.2	Supply and fix for all doors, 25mm hardwood quadrants	25	L.M		
4.3	Supply and fix for all doors, 75mm x 25mm hardwood architraves	25	L.M		
	<u>Prepare and apply undercoat and two coats gloss varnish to</u>				
4.4	Surfaces over 75mm but not exceeding 150mm girth	75	L.M		
4.5	General timber surfaces	20	S.M		
	<u>Iron mongery; supply and fix the following:</u>				
4.6	Heavy duty approved 3-Lever mortice locks as "UNION" with lever, handles and complete door furniture	4	NO.		
4.7	Heavy duty approved 100mm heavy brass butt hinges	12	PAIRS		
4.8	30mm diameter rubber door stops raw bolted to concrete	4	NO.		
4.9	Heavy duty steel/metal latch	4	NO.		
	<u>UPVC windows</u>				
4.10	UPVC windows Type 1 (600mm long x 600mm high) 6mm thick glazing; including plastic mosquito screens and coffee tray mesh	4	NO.		
	TOTAL FOR DOORS AND WINDOWS CARRIED TO THE MAIN SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE (USD)	AMOUNT (USD)
5.0	<u>ELEMENT NO.5: FINISHES</u>				
	<u>Floor finishes</u>				
5.1	25mm thick cement sand mortar (1:3) rendering to receive porcelain floor tiles (m.s)	27	S.M		
	<u>Porcelain floor tiles</u>				
	<u>Rate to include cost of supply, grouting, adhesive, spacers and all other materials and laying to completion: fix non-slip porcelain tiles to floors on prepared bed (m.s) with adhesive; jointed and pointed in matching coloured grouting: including pvc spacers and expansion joint as necessary: all to Engineer's approval.</u>				
5.2	Approved <u>porcelain</u> floor tiles; 400mm x 400mm x 6mm thick non-slip floor tiles	27	S.M		
5.3	25mm x 100mm high porcelain floor tile skirting	36	L.M		
	<u>Internal wall finishes</u>				
	<u>15mm thick two coat cement sand (1:3) plaster trowelled smooth and comprising 12mm backing and 3mm second finishing coat (Second coat to be of cement/lime putty (1:5) steel trowelled smooth)</u>				
5.4	Ditto to walls internally	75	S.M		
5.5	WC/washroom white <u>porcelain</u> 3m high wall tiles; 300mm x 600mm	75	S.M		
	<u>External wall finishes</u>				
	<u>15mm thick two coat cement sand (1:3) plaster trowelled smooth and comprising 12mm backing and 3mm second finishing coat (Second coat to be of cement/lime putty (1:5) steel trowelled smooth)</u>				
5.6	Ditto to rendering walls externally	60	S.M		
5.7	15mm thick cement-sand (1:3) render to plinth surfaces; stucco finish	11	S.M		
5.8	Prepare and apply three coats of black bituminous paint to plinth surfaces;	11	S.M		
5.9	Prepare and apply under coat and two coats of emulsion paint to external wall surfaces	60	S.M		
	TOTAL FOR FINISHES CARRIED TO MAIN SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE (USD)	AMOUNT (USD)
6.0	<u>ELEMENT NO.6: SANITARY AND PLUMBING WORKS</u> <u>Contractor is reminded to factor in the cost of supply, installation, water and drainage connection, testing, prior to final certification and handover, to the satisfaction of UNHCR Engineer; all sanitary, mechanical and plumbing works constructed or installed.</u>				
	<u>All sanitary fittings; supply and install</u>				
6.1	Ceramic WC suite comprising of pan heavy duty plastic seat & cover, ceramic cistern, flush pipe, P or S trap. Cost to include 4" drainage pipework and connection to manholes and septic tank; all accessories.	4	NO.		
6.2	Ceramic washhand basin hand washbasin and pedestal; white" complete with tap, waste out-go plug chain and pedestal white. Cost to include 2" drainage pipework and connection to manholes and septic tank; all accessories.	4	NO.		
6.3	White ceramic vitreous china urinal pot with white ceramic vitreous china partition of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets, all accessories; all as per manufacturers specification and direction of Engineer-incharge. Cost to include 2" drainage pipework and connection to manholes and septic tank.	2	NO.		
	<u>150mm x 150mm semi recessed bathroom accessories</u>				
6.4	Wall mounted toilet roll holder	4	NO.		
6.5	Bidet showers; hand bidet sprayers (Arabic shower) with all the required accessories such as press tap, flexible tube (stainless steel hose), wall bracket	4	NO.		
6.6	Heavy duty 150x150mm stainless steel floor trap including all the necessary drainage pipe work and connection	4	NO.		
6.7	600mm x 450mm 6mm thick polished plate glass mirror	2	NO.		
6.8	Provide materials and erect manhole including all the necessary excavations, backfilling and disposal of surplus materials and formworks and medium duty manhole cover and frame to detail	4	NO.		
6.9	Gully trap (300mm length x 300mm wide x 300mm deep) with steel cover including all the necessary drainage pipe work and connection	2	NO.		
6.10	3/4 PPR pipes and fitting from Mains to supply points at the ceramic wash hand basins, water closets, arabian shower points, including taps, bends, shower head and other fittings and 1" to 3/4" T fitting for main pipe connection and materials change	1	LS		
6.11	Excavate, provide, lay and joint in trench diameter heavy duty 150mm diameter class 4 sewer pipe (uPVC) in flexible joints (rubber ring or lip seal joint) including (mandatory) 100mm approved murrum bed and haunch to details; all require materials, sockets, rubber seals, etc. Cost to include connection to existing septic tank.	80	L.M		
	TOTAL FOR SANITARY AND PLUMBING WORKS CARRIED TO THE MAIN SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE (USD)	AMOUNT (USD)
7.0	<u>ELEMENT NO.7: ELECTRICAL AND INSTALLATION WORKS</u> Contractor is reminded to factor in the cost of testing, prior to final certification and handover, to the satisfaction of UNHCR Engineer; all electrical works supplied and fixed or installed. Corrosion resistant external and internal cables as approved by UNHCR Engineer Supply, install, test and commission the following:- Lightning points wired with 3 x 2.5mm single core PVCII copper cables drawn in concealed 25mm diameter HGPVCI conduit for				
	Switching with all the accessories as required up to consumer unit				
	13 Amps, moulded plate flush mounted switches with screw covers:-				
7.1	1 gang 1 way	4	NO.		
7.2	Lighting fitting complete with lamps and all other accessories 40 watts energy saver lamp fitting	6	NO.		
7.3	15 Amps twin/double socket power points wired ring comprising of 3x 2.5mm ² single core PVCII copper cables drawn in concealed 25mm diameter HGPVCI conduit with all the accessories as required up to consumer unit.	2	NO.		
7.4	15 Amps double/twin socket	2	NO.		
7.5	Supply, install, test and connect to main feeder line from Main Distribution Board to accommodation. Price to include PVC conduits and digging trench 450mm below final ground level; 4core 10mm ² armoured cable with relevant accessories for termination	4	L.M		
	<u>Supply and install approved 4 way consumer unit with MCBs as below:</u>				
7.6	6 amps SP	1	NO.		
7.7	10 amps SP	1	NO.		
7.8	20 amps SP	1	NO.		
7.9	63A Double Isolator	1	NO.		
	<u>Earthing system</u>				
7.10	Supply, install, connect and test the following earthing system complete as described in the specifications with all necessary accessories 3mm x 30mm Earth copper rods; 1.5m length, 19mm diameter 16mm ² copper wire galvanised strip welded to foundation	1	LS		
	TOTAL FOR ELECTRICAL INSTALLATION CARRIED TO MAIN SUMMARY				

ITEM	SUMMARY	AMOUNT
1	ELEMENT NO.1: SUBSTRUCTURES	
2	ELEMENT NO.2: SUPERSTRUCTURE	
3	ELEMENT NO.3: ROOF CONSTRUCTION AND FINISHES	
4	ELEMENT NO.4: DOORS AND WINDOWS	
5	ELEMENT NO.5: FINISHES	
6	ELEMENT NO.6: SANITARY AND PLUMBING WORKS	
7	ELEMENT NO.7: ELECTRICAL AND INSTALLATION WORKS	
	TOTAL COST FOR WASHROOM	