



HelpEducation SOUTH SUDAN

1. Introduction

HelpEducation South Sudan (HESS) is a nonprofit humanitarian, developmental and none profit organization established to address the most urgent literacy needs of the people of South Sudan and is implementing a range of interventions in the areas of education. HESS is registered with the Relief and Rehabilitation Commission (**Reg. #696**) with a legal mandate to serve the people of South Sudan. HESS programming cover areas of greater Bhar El Ghazal (Awerial, Yirol East, Rumbek, Cuci-bet, and Gogrial) Greater Equatoria (Juba, Terekeka, Mundri) and Greater Upper Nile (Bor).

Technical Specification and Requirement for Construction of permanent structure in Cuci-bet Secondary School in Cuci-bet County, Lakes State

Date of issue:	24/03/2025
Project title:	CONSTRUCTION WORKS IN Cuci-bet County
Deadline for submission:	10/04/2025 at 2:30 PM
Contracting authority:	HelpEducation SOUTH SUDAN (HESS), E-mail: procurement@helpeducationssd.org Phone: +211914988877
Adress	Yaro Plaza, Hai-Cinema, Addis Ababa Road opposite NYG Apartment

Please see the tender dossier for more information on submission requirements and full list.

2. Purpose

The purpose of this tender is to solicit offers for construction works in Cuci-bet County, Lakes State, South Sudan.



HelpEducation SOUTH SUDAN is seeking reliable construction companies to construct Permanent structure of one block of two classrooms at **Cuei-bet secondary school** in Cuei-bet County, Lakes State.

3. Scope of work

S/N	Description of Work	Total Cost (USD)
	SUMMARY TO COLLECTION	
ITEM 1	PRELIMINARIES/SUBSTRUCTURE	
ITEM 2	SUPERSTRUCTURE	
ITEM 3	ROOFING	
ITEM 4	FITTINGS AND FINISHING	
ITEM 5	SPLASH APRON & RAMP	
ITEM 6	WATER HARVESTING SYSTEM	

Bill Of Quantity'- Construction of one Block of two Classrooms in Cueibet Secondary School, Cueibet County, Lakes State

S/N	Description of Work	Unit	Quantity	Unit Cost (USD)	Total Cost (USD)
BILL 1	PRELIMINARIES/SUBSTRUCTURE				
A	Mobilisation and demobilisation of the contractor, equipment and labour. Including hoarding around the site.	Item	1.00		
B	Clear site of all grass, shrubs, debris, undergrowth including small trees not exceeding 200mm girth and cart away from site dumping atleast 100m away from site location.	m ²	1,600.0		
C	Excavate trench for foundation trenches and column bases 1.3 meters deep, starting from stripped levels. The rate for excavation shall include upholding sides of excavated areas and keeping the excavated areas free from water. Excavation depth to be determined at site .	m ²	80.6		

D	Apply concrete (1:3:6) of 600mm wide and 50mm thick as blinding around the wall area and column bases.	m ²	48.6		
E	Construction of 200mm thick solid wall foundation from selected stones; load bearing min 25.0 N/mm, reinforced with 20 gauge 25mm hoop iron strips laid horizontally every alternate course; bedded and jointed in cement and sand (mix 1:3) mortar.	m ²	78		
F	Supply and fix T12 steel bar reinforcement including bending, hooking, binding wire, cutting spacers and supporting all in - High Tensile ribbed bar reinforcement to B.S. 4661 to columns, column bases.	Kg	179.608		
G	Ditto but ground beams	Kg	286.1325		
H	Supply and fix T10 steel bar reinforcement including bending, hooking, binding wire, cutting spacers and supporting all in - High Tensile ribbed bar reinforcement to B.S. 4661 to floor slab.	Kg	1531.14		
I	Return fill in and ram murrum around foundations and entire area of water tank base. The murrum shall be compacted in layers. Total thickness of murrum is 200mm per compaction level. Compaction shall be to 98% MDD	m ³	28.8		
J	Supply and fix sawn formwork to side of columns, column bases, ground beams.	m ²	33.8		
K	Apply 1000 gauge polythene or other equal and approved damp-proof membrane, laid over blinded hardcore (m.s) with 300mm side and end laps (measured nett-allow for laps).	m ²	169.29		
L	Prepare and apply vibrated in-situ concrete grade 25 (nominal mix 1:2:4, 25N/mm ² at 28 days) for columns, column bases.	m ³	2.44		
M	Ditto but ground beams	m ³	3.24		
N	Ditto but ground slab	m ³	23.4		
Sub total- Preliminary/Excavation and Substructure to collection					-
BILL 2	SUPERSTRUCTURE			-	
A	Damp proof course: bituminous felt: bedded in cement mortar (1:3): 300mm laps	m	60.9		

B	Construct solid Concrete Block walling including gable wall; load bearing min 5.0 N/mm: reinforced with 20 gauge 25mm hoop iron strips laid horizontally every alternate course: bedded and jointed in cement and sand (1:3) mortar.	m ²	152.12		
C	Ditto but internal walls	m ²	25.90		
D	Ditto but 300mm high parapet walls at the gable end	m ²	3.04		
E	Supply and fix T12 steel bar reinforcement including bending, hooking, binding wire, cutting spacers and supporting all in -High Tensile ribbed bar reinforcement to B.S. 4661 to ring beam.	Kg	640.2705		
F	Ditto but columns	Kg	497.32		
G	Prepare and apply vibrated in-situ concrete grade 25 (nominal mix 1:2: 4, 25N/mm ² at 28 days) for ring beam and columns	m ³	4.95		
H	Supply and fix sawn formwork to side of columns, column bases, ground beams, and surface slab.	m ²	39.5		
					-
	Subtotal Classroom superstructure to collection				-
BILL 3 ROOFING					
A	Steel metallic Plate chromate	m	5		
B	Ditto but 60 x 40 x 3mm SHS tie beams	m	100.00		
C	Ditto but 60 x 40 x 3mm SHS Rafters	m	96.00		
D	Ditto but 40 x 40 x 3mm SHS struts and ties	m	106.8		
E	Ditto but 60 x 40 x 3mm SHS kingposts	m	14.00		
F	Ditto but 40 x 40 x 3mm SHS purlins	m	250.40		
G	60 x 40 x 300mm (average) RHS holding down anchor: one end fish tailed and cast into concrete beam other end welded to roof trusses	No	22		
H	Prepainted roofing sheets (Colour to be approved by Engineer but) : IT5 (Super V) Gauge 28 galvanized corrugated sheets: fixing to roof trusses with appropriate J hooks, rubbers, nails & Filler Blocks to fill Gap between Ridge & Sheet for Roof covering : to slopes exceeding 22.5 degrees to horizontal.	m ²	172.64		
I	Ditto but for ridge cap	m	47.60		


J	1.5mm thick Mild steel sheeting for fascia and barge board : 200mm girth ; bent profile as required and fixing to metal trusses m/s	m	57.2		
K	Supply and fix 150x150mm 24 gauge galvanized mild steel box gutter with galvanized steel brackets at 600mm centers fixed to fascia board (ms)	m	57.6		
L	Ditto, 100mm diameter down pipe fixed with brackets to wall at 1000mm maximum centre to centre. Rate should include connection to existing water tank, 600mm swanneck projection, shoe, and painting.	m	15		
	Sub total classroom roofing to collection				-
BILL 4	FITTINGS AND FINISHING				
A	Supply and fix 1500mmx1600mm standard heavy duty steel casement windows as manufactured by an approved steel fabricator, complete with fixing lugs, ironmongery and fittings all primed with one coat of red oxide before fixing including bedding and pointing in cement and sand (1:4) mortar: oiling and adjusting on completion: two coat gloss paint : 5mm clear glass glazing in putty.	No	12		
B	Supply and fix Pre-cast concrete (1:2:4) as window sill size 200 x 45 mm once sunk, weathered and throated, finished fair face on exposed surfaces	m	9		
C	Supply and fix purpose made steel panel door comprising 150 x 40 x 3 mm WS framing all round: 900mm high 16 gauge mild steel sheet panel welded to and including framing purpose made 50mm diameter steel tube handles: slide bolt assembly with 6mm thick steel hasp for padlock: one coat red oxide primer and two coats gloss paint : complete with 75 x 50mm RHS door frame and fixing to concrete or block work and pointing with approved mastic all. Door overall size 900 x 2600mm high with 500mm louver fanlight ;	No	4		
D	Permanent Vents				

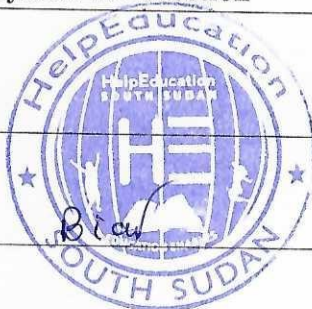
i)	Supply and fix clay vents embedded in 1.3 morta mix	m ²	4.80		
ii)	Bat proof gauze and coffee tray wire backing complete with necessary timber framing and beading.	m ²	4.80		
E	Apply 15mm first coat of cement and sand (1:4) plaster; 3mm second coat of cement and lime putty (1:5); steel trowelled to internal wall surface	m ²	187.2		
F	Apply 20mm thick cement and sand (1:4) rough cast tyrolean plaster with approved colour of weather guard paint to external wall plaster.	m ²	108.68		
G	Apply 20mm thick cement and sand (1:4) normal plaster to external verandah walls and columns.	m ²	91.525		
H	Blackboard: 4200 x 1200mm high blackboard in cement sand moter mix 1:3 steel floted including position for putting chalks on 4200x100mm wide Timber duster holder with chalk groove : painted with one undercoat & two coats blackboard paint	No	2		
I	Prepare and apply cement and sand (1:4) trowelled beds on concrete 100mm high skirting.	m	76		
J	Ditto but 30mm thick screed, steel trowelled smooth including approved joint sealant for the joint created by the bays within the surface slab	m ²	151.36		
K	Prepare and apply three coats of 1st quality Weather Guard paint of premium quality to external verandah walls.	m ²	91.525		
L	Prepare and apply three coat of black bituminous paint to surfaces of plinth.	m ²	37.92		
M	Prepare and apply undercoat and three coats of 1st quality emulsion paint to internal wall surfaces	m ²	187.2		
N	Prepare and apply two coats gloss oil paint to metal surfaces especially surfaces of metal post and roof structure.	L-S	1		
O	Supply and fix lightning arrestor comprising 3x25mm copper tape drawn through 32mm diameter pvc conduits, rod clamp, test clamp, 1500mm earth rod in lighting chamber with manhole cover ; multiple air termina	No	1		

	Sub total classroom fittings and finishes to				
BILL 5	SPLASH APRON & RAMP				
A	Excavate trench for splash apron foundation not less than 0.6 meters deep, starting from stripped levels. The rate for excavation shall include upholding sides of excavated areas and keeping the excavated areas free from water.	m ³	15.216		
B	Supply and fix T10 steel bar reinforcement including bending, hooking, binding wire, cutting spacers and supporting all in -High Tensile ribbed bar reinforcement to B.S. 4661 at the bottom of trench.	Kg	31.97		
C	Ditto but ground slab	Kg	205.66		
D	Construct 200mm thick solid wall from concrete blocks, bedded and jointed in cement and sand (mix 1:3) mortar	m ²	9.36		
E	Ditto but access ramp	m ²	36.5		
F	Apply 1000 gauge polythene or other equal and approved damp-proof membrane, laid over blinded hardcore (m.s) with 300mm side and end laps (measured nett-allow for laps).	m ²	14.8		
G	Prepare and apply vibrated in-situ concrete grade 25 (nominal mix 1:2: 4, 25N/mm ² at 28 days) including BRC, formwork and support timber ensuring a gentle slope of 1:12 for ramp	m ³	1.2		
H	Ditto but to splash apron	m ³	2.10		
	Sub- classroom Ramp to collection				
BILL 6	WATER HARVESTING SYSTEM				
A	Excavate trench for circular foundation trenches not less than 0.5 meters deep, starting from stripped levels. The rate for excavation shall include upholding sides of excavated areas and keeping the excavated areas free from water. Diameter of water tank base should not be less than 2.5m	m ³	1.54		

B	Construct 200mm thick solid wall from concrete blocks, bedded and jointed in cement and sand (mix 1:3) mortar for the water tank base. Height of water tank base should not be less than 0.4m above ground level	m ²	7.85		
C	Return fill in and ram murrum around foundations and entire area of water tank base. The murrum shall be compacted in layers. Total thickness of murrum is 200mm. Compaction shall be to 98% MDD	m ³	3.16		
D	Supply and install 5000 litres plastic water tank of approved quality and brand complete with taps and all necessary accessories.	Item	1		
E	Construct 600 x 600 x 300mm high reinforced concrete wash away trough, all necessary plumbing and drainage including drainage Soak- away pit about 4000mm away from water source and classroom	No	1		
Sub-Total water harvest system to collection					-

Signature & Stamp 

Signed by: Kelol Aguck 



TENDER TERMS AND CONDITIONS:

- (i) Payment method strictly bank transfer
- (ii) Validity of offer should be 30 days
- (iii) Delivery time: Indicate clearly number of days required for completion of work
- (iv) Provide copies of legal documents of your company as follows:
 - (a) Valid tax clearance certificate
 - (b) Tax identification Certificate
 - (c) Valid Operational license

NB: Attachments-please check carefully before submitting your tender that you have prepared all the documents required in the instruction to tenders "Documents comprising the tender".