



CMMBSOUTHSUDANPROGRAM

INVITATION TO BID

Project: Tender for Drilling and Upgrading of Boreholes into Solarized Water Yard in Yambio County, Western Equatoria State Republic of South Sudan.

TenderReferenceNumber: CMMBLOG02182023/Drilling and Upgrading of Boreholes into Solarized Water Yard

Notice to Bidder's: Catholic Medical Mission Board (CMMB) is an international nongovernmental organization that believes in a world in which every human life is valued, health and human dignity are shared by all. We believe that access to quality healthcare is a basic human right. For more than 100 years, we have worked with global partners to deliver locally sustainable, quality healthcare solutions to women, children, and their communities.

Nature of notice: Catholic Medical Mission Board South Sudan is currently seeking for suitable qualified companies both locally and international with clean record in Drilling and Upgrading of Boreholes into Solarized Water Yard in Yambio county Western Equatoria State Republic of South Sudan to whom full Tender dossier will be sent through email. Or alternatively interested companies can collect the tender dossier at the following office locations in hard copies.

1. In Juba Plot No.710 - 3K South, 2nd class residential area, Kololo at the guard's office
2. In Yambio Plot 98, Nakpangau Stadium Road | Yambio Western Equatoria State at the guard's office

Nature of work: Drilling and Upgrading of Boreholes into Solarized Water Yard.

Bid document; Bid documents can be accessed below by all interested bidders from 22nd August 2023 to 28th August 2023 during the working days and hours (8:00am-5:00pm) South Sudan local time.

1. **Applications:** Tender documents can be sent through email to these email addresses, Limmy@cmmb.org and ACMKabas@cmmb.org or can be collected from the above office locations
2. **Submission of bid documents:** The bid documents should be submitted in by email indicating the above Tender Ref. and written "Drilling and Upgrading of Boreholes into Solarized Water Yard". The bids should be submitted from 22nd September 2023 to 28th August 2023 during working days and hours (8:00am - 5:00pm) South Sudan local time. The bid can be submitted by email
3. **DELIVERY CONDITION:** DDP-(Incoterms 2022) – Republic of South Sudan.
4. **Delivered duty paid** is a delivery agreement whereby the seller assumes all the responsibility of transporting of the materials, and any other tasks associated with this supply. This includes paying for shipping costs, export and import duties and any other taxes.
5. **DELIVERY PERIOD:** As it will be agreed in the contract (Please note that quantities may vary at any time of ordering).
6. **PAYMENT TERMS:** Within 30 days from delivery and upon receipt of relevant documentation and inspection and acknowledgement work completion through signing of the Service Completion Note. Bank transfer charges shall be borne by the contracted supplier



7. PRICE VALIDITY: Must be 60 days from date of quotation.
8. Bids must be submitted in accordance with the below "Conditions for Submission of Bids".

9. Bidders' eligibility:

For bidders to be eligible to collect the bid documents, the bidder should have the followings.

- Valid Certificate of Incorporation/Business Registration Certificate
- Valid Current Tax Compliance Certificates (TIN)
- Valid Current Trade License
- Valid Current Membership Certificate for Chamber of Commerce
- Evidence of Previous similar supplies

Closing date: The closing date for submission of completed bid documents is on 28th August 2023 at 5:00pm South Sudan local time and any documents submitted later than the mentioned time and date will not be accepted.

Further information: Bidders are requested to consult CMMB Procurement Unit for further details on address Jimmy@cmmb.org, ACMKabas@cmmb.org, and JEmmanuel@cmmb.org or on the telephone numbers +211 922012 821, +211 923733044 ,0925 519 281 respectively

See Specification in the next page



**BOQ FOR DRILLING AND UPGRADING A BOREHOLES INTO SOLARISED WATER YARD IN YAMBIO
TOW((ASANZA(TII-BAGU))**



S/N	Description	Unit	Qty	Rate (USD)	Amount (USD)
A Site Works					
A1	Hydrogeological / geophysical investigation	Test	1		
A2	Allow for mobilization costs to drilling area, transport of drilling unit, test pumping equipment, personnel, materials and other supplies including setting up on site and make all requisite preparations during the drilling and well development period.	LS	1		
A3	Demobilization of drilling and test pumping equipment from site including for personnel, and other materials	LS	1		
Sub total site works					
B Borehole drilling (100m Deep)					
B1	Drilling with minimum 8" bit from 0-20 metres deep from the existing ground level	m	20		
B2	Drilling with minimum 8" bit from 20-60 metres deep from the existing ground level	m	40		
B3	Drilling with minimum 8" bit from 60-100 metres deep from the existing ground level	m	40		
B4	Allow for grain size/sieve analysis and well logging	m ³	1		
Sub total borehole drilling					
C Borehole installation					
C1	Supply and install steel casing 6" external diameter with minimum thickness of 3mm up to 10 metres deep from the existing ground level.	m	10		
C2	Supply and install concrete sanitary seal of minimal thickness 75mm thick or alternative grouting up to 10metres deep from the existing ground level.	m	10		
C3	Supply and install UPVC plain casing 6" external diameter with minimum thickness of 7.5mm up to 100metres depth with centralizers.	m	90		
C4	Supply and installation of 6" UPVC screen casing with minimum thickness of 7.5mm.	m	24		
Sub total for borehole installation					
D Borehole development					
D1	Allow for the development of the well using air or water jetting method as recommended by the hydrologist.	LS	1		
D2	Allow for test pumping and reporting .This will inform on the yield of the borehole.	hr.	24		

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D3	Allow for the disinfection of the bore hole using chlorine as specified.	LS	I	
D4	Allow for water quality analysis (physical, chemical, and bacteriological) testing under direct supervision of ministry of WASH and Sanitation.	LS	I	
	Sub total for borehole development			
E	Water tower structure, ledler and 1.50m height Top Rails/ steelwork	M3	18	
E1	Excavation and backfill substructural work for water yard stands			
E2	Allow a provisional sum for the construction & completion of 6000mm high above concrete stands steel water tank tower structure of 4Nos. 100mmX100mmX6mm steel posts plus top main framework at 1000mm c/c and 75mmX75mmX4mm horizontal and members at 200mm c/c complete with 1.2mm top metallic plate as a base for the storage tank. (rate shall include for 40x40mm metallic braces and guard rails on top of the storage tower).	LS	I	
E3	Allow for provisional sum for supply of 40mm diameter vertical heavy duty G.I Ladder consisting of 25mm diameter heavy duty G.I bars equal distance welded to 40mm diameter guard bars, all for water tank structure	LS	I	
E4	Reinforcement bars Y12 12 M for constructions of steel stand for construction of pads/coulmm and beams	Bars	15	
E5	Stirup Y6 12M	Bars	5	
E6	Binding wire	Roll	0.5	
	Sub-total for water tower structure, Ledler and 1.50m height top Rails			
F	Water Tank			
F1	Supplying and installation of 10,000L capacity PVC protected & anti microbiological plastic shell water tank(Double layered) on top of steel water structure (steel structure measured separately). Rate shall include for all Tank connectors.	I	Nos	
	Sub-total for water tank supply			
G	Concrete Works			
G1	Construction of apron 1m radius of the borehole using BRC@10mm dia and use concrete ratio 1:2:3	M3	0.314	
G2	concrete for construction of tank stand beam @200x300mm and column, short column @ 250x250mm and pad size 1.5x1.5 and thickness of 400mm.	M3	4.58	
	Sub-total for Site Works			



H	Pump Installation & water level automatic floate switch						
	Supply and installation of a roll of HDPE pipe size 40mm diameter to 115m depth (rate shall include for all connectors, compression couplings reducers and protective rope etc.)	200	m				
H1	Supply & installation of a roll (115m) of 4mm submersible cable (rate shall include for splicing kit for cable joining).	115	m				
H2	Allow the provisional Sum for the Supply & installation of Groundfos Solar Powered Water supply pump, capacity up to 2 kw (Flow rate of atleast 4 m3/hr) including as manufactured in either Denmark, Japan Mexico or approved by the Engineer. (rate shall include for all accessories required for pump installation to generator terminal	1	pcs				
H3	Supply and installation of 3/8" diameter poly rope. Safety rope connects to the submersible pump and secures directly to the well head.	1	m				
H4	Supply and installation of Side Mount Plastic water level Automatic Float Switch, Meter Technology: Differential, Pole And Throw Specification: DPDT	1	pcs				
H5	Supply and installation of lightening arestor/conductor mounted on the tank stand	1	pcs				
H6	Sub-total for Pump Installation						
I	Solar System Installation + The Framed Stand for Panels						
	Supply and installation of monocrystalline solar panels (6Pcs @ 350Watts rate to include for all terminals)	6	Pcs				
I1		1	Nos				
I2	Supply and installation of charge controller C200 or C201 digital type.						
	Sub-total for Solar system installation						
	Water Distribution System. (Water Supply and Drainage work) Excavation for pipes						
J	Works and Water stands						
	Excavation and backfill to pipe trench for normal pipe laying areas, depth not exceeding 500mm deep from water reservoir to the water yard points	200	m				
J1		200	m				
J2	Allow for supply and laying of 32mm HDPE pipe from storage tank to all the 2 tap stands. Construction of 2 tap stations complete with 4 3/4" GI taps(sellocking) each connected to 32mm diameter from water reservoir(2 by 1.5m masonry tap stations tiled 4 taps per stations). Rate shall include for all materials and labor for the work and construction of 6m long drainage channel connected to soakpit. This is allow drainage of the waste water.	2	Nos.				
J3							

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K	Provisional sums for Chainlink Fence and Painting of all metallic parts and visibility								
	Supply approximately 40 meters of fencing system as per designs and specifications; the supply shall be landed at the site as described in the general conditions. The supply shall allow for a fencing of 2.1 meters clear height above ground not including the barbed wire height using 50mmx50mm x4mm thick 3 meter angular Poles. The supply of 1 double swing gate at 4.35 meters wide; supply all material associated materials including the connections, wire, tension wire, barbed wire.								
K1					item		1		
K2	Supply and provide Aluminum paint for painting all the metallic structures i.e. Elevated tank metallic metals, Angular fence poles, including the gates.				Tin		1		
K3	Fabrications and installation of sign post to be designed and shared by project Engineer				Pcs		2		
	Sub-total for Provisional Sum for fencing & painting								
	TOTAL COST OF DRILLING AND 1 BOREHOLE SOLARISED								

