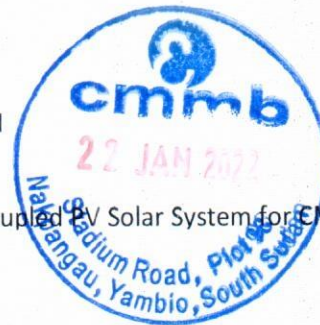




**CMMB SOUTH SUDAN PROGRAM**  
INVITATION TO BID



**Project:** Tender for Solar Equipment Supply and Installation for DC Coupled PV Solar System for CMMB Yambio, Western Equatoria State Republic of South Sudan.

**Tender Reference Number:** CMMBLOG00108022/PVSOLARSYSTEM.

**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 Equipment Supply and Installation for DC Coupled PV Solar System for CMMB Yambio, Western Equatoria State Republic of South Sudan as per below specification and BoQ.

**Nature of work:** Solar Equipment Supply and Installation for DC Coupled PV Solar System

**Bid document;** Bid documents can be submitted to;

Stadium Road, Plot 98 Napangwa Yambio, Western Equatoria, South Sudan or Rahwa Building, Plot 710 – 3 K Kololo, Juba -South Sudan

- 1. Submission of bid documents:** The bid documents should be submitted via below emails indicating the above Tender Ref. and written "Solar Equipment Supply and Installation for DC Coupled PV Solar System, only to be opened by the tender committee on the 28<sup>th</sup> of January. 2022" as Title. The bids should be submitted from 22<sup>nd</sup> January. 2022 to 27<sup>th</sup> January 2022 during working days and hours (8:00am - 5:00pm) South Sudan local time. The bid can be submitted by email or through  Tender box at CMMB Yambio Office or CMMB Juba office on above addresses  e-Tendering. But strongly encourage emails.
- 2. DELIVERY CONDITION:** DDP-(Incoterms 2021) – Yambio, WES - Republic of South Sudan.
- 3. Delivered duty paid is a delivery agreement whereby the seller assumes all the responsibility of transporting of Solar Equipment Supply and Installation for DC Coupled PV Solar System. This includes paying for shipping costs, export and import duties and any other taxes.**
- 4. DELIVERY PERIOD:** As it will be agreed in the contract (Please note that quantities may vary at any time of ordering).
- 5. 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
- 6. PRICE VALIDITY:** Must be 60 days from date of quotation.
- 7. Bids must be submitted in accordance with the below "Conditions for Submission of Bids".**

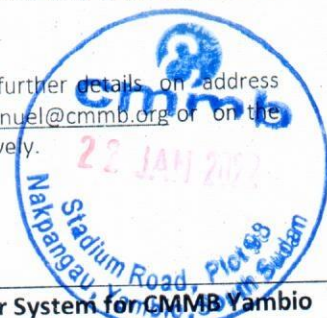
**8. Bidders' eligibility:**

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

- Certificate of Incorporation/Business Registration Certificate
- Current Tax Compliance Certificates (TIN)
- PIN Certificate
- Current Trade License
- Current Membership Certificate for Chamber of Commerce
- Previous Similar delivery/Contract.

**Closing date:** The closing date for submission of completed bid documents is on 27<sup>th</sup> January, 2022 at 5:00pm South Sudan local time and any documents submitted later than the mentioned time and date will not be accepted.

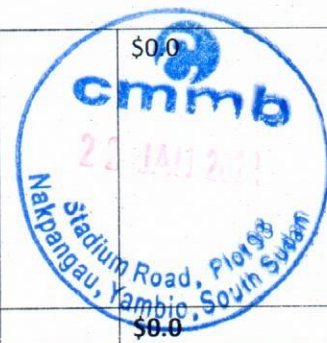
**Further information:** Bidders are requested to consult CMMB Procurement Unit for further details on address Procurement.ss@cmmb.org and Jimmy@cmmb.org, ACMKabas@cmmb.org, JEmmanuel@cmmb.org or on the telephone numbers +211 922 012 821, +211 923 733 044 +211 925 519 281 respectively.



ANNEX I

<b>Detailed BOQ for Equipment Supply and Installation for DC Coupled PV Solar System for CMMB Yambio</b>						
Lot	Item description	UOM	Brand Name	Qty	Rate (\$)	Costs(\$)
<b>1</b>	<b>PV array - KWp</b>	<b>7.50</b>				
	Monocrystalline or Polycrystalline module of nominal 300Wp or higher, with pre-wired MC4 connectors	Each	Canadian, AFR, Suntech, Amerisor	25		\$0.0
	PV racking, with all the accessories. <b>Aluminum extruded</b> or galvanized metal sections on a firm foundation with anti-theft and stainless steel hardwares	Each	Rooftop Aluminum PV rack	25		\$0.0
	<b>Sub total</b>					<b>\$0.0</b>
<b>2</b>	<b>Lithium Ion Phosphate Battery bank - KWH</b>	<b>22.3</b>				
	Lithium Ion Battery packs with usable energy of >4.0 KWH, Nominal DC of 51.2V, Ampere hour capacity of >100, Operating efficiency of >97%, Depth of Discharge of upto 95%. Cells in combination so that battery bank achieves the required energy storage at 48V, battery bank voltage, based on 20-hour discharge (C20); Designed for long life in extreme conditions, including their appropriately sized lugged battery cables and connectors bolts.	Each	WECO or BYD	5.0		\$0.0
	Battery rack / stand	Each		1.0		\$0.0
	<b>Sub total</b>					<b>\$0.0</b>
<b>3</b>	<b>Battery Inverter/Charger -KVA</b>		<b>5</b>			
	5KVA, 230V/50Hz Inverter/Charger or Battery Inverter; must give the required Continues power output at 40°C; 48V battery bank voltage minimum; >95% efficiency; true sine wave; proqramable; sealed or designed for >40°C temp extreme conditions, or for outdoor mounting as well	Each	Victron Multiplus 48Vdc / 5000VA / 70-100A 230Vac VE	1		\$0.0
	<b>Sub total</b>					<b>\$0.0</b>
<b>4</b>	<b>Solar Charge Controller - Amperes</b>	<b>440</b>				

	MPPT Solar Charge Controller, Rated charge current = or 100A; Nominal PV power of >5000W at 48V battery voltage; Max PVoc 250V; Max PV Isc of = or >100A; Max efficiency of 98; Self consumption of 10-30mA; programmable; sealed and designed for >40'C temps under extreme conditions and applicable for outdoor mounting	Each	Victron SmartSolar MPPT 250/100-Tr VE CAN	4	\$0.0
	<b>Sub-total</b>				\$0.0
<b>5</b>	<b>Monitoring system for on-site and online monitoring</b>				
	Visual monitor; Battery voltages; Battery charge/discharge current; Battery state of charge; Ampere-hour consumed; Alarms; Removable SD card recordings; LAN or wifi communication.	Each	Victron Solar Color Control GX	1	\$0.0
	Solar VE.Can to CAN-bus BMS type A Cable 1.8m	Each		1	\$0.0
	VE Direct Cable 1.8m	Each		2	\$0.0
	WALL MOUNT enclosure color control GX BMV or MPPT	Each		1	\$0.0
	<b>Sub total</b>				<b>\$0.0</b>
<b>6</b>	<b>Balance of System</b>				
	MC4 Male Housing & Connector Crimp Connector Kit, 1000V	Each		15	\$0.0
	MC4 Female Housing&Connector Crimp Connector Kit, 1000V	Each		15	\$0.0
	MC4 Y-Splitters -2Female/1Male	Each		4	\$0.0
	MC4 Y-Splitters -2Male/1Female	Each		4	\$0.0
	UV-2XLPE (Crossed-linked polythlene) Array wire 1X6mm2. Red	m		150	\$0.0
	UV-2XLPE (Crossed-linked polythlene) Array wire 1X6mm2. Black	m		150	\$0.0
	Midnite MNPV 6 Way PV Solar Combiner box	Each		1	\$0.0
	Midnite MNEPV 30A/250V DC Solar fuses or breakers Din mount	Each		6	\$0.0
	UV-2XLPE (Crossed-linked polythlene) Array wire 1X35mm2. Red	m		5	\$0.0
	UV-2XLPE (Crossed-linked polythlene) Array wire 1X35mm2. Black	m		5	\$0.0
	Midnite MNEPV 63A/150V DC Solar breakers Din mount	Each		2	\$0.0
	Midnite MNEPV 100A/150V DC Solar breakers Din mount	Each		2	\$0.0
	Blue Sea E-Series On'Off Switch for Battery Bank - Inverter / Charger	Each		1	\$0.0
	Surge protection device 115 VDC	Each		1	\$0.0
	Surge protection device 230V AC	Each		1	\$0.0
	Fine stranded wiring cables >1X50mm2	meters		6	\$0.0
	Cable lugs 50 mm2	Each		28	\$0.0
	1 phase 4 way Consumer box	Each		1	\$0.0
	Single phase 63A MCB	Each		2	\$0.0



	Fine stranded wiring cables >3X6 mm2	meters		20	\$0.0
	Cable lugs 6mm2	Each		15	\$0.0
	Earth wire 1X 16 mm2	meters		15	\$0.0
	Earth Rode ( Electrode) with clamp, 4 feet, pure copper	Each		2	\$0.0
	Lightning Arrester (Air terminal Component) 0.5m, pure Copper	Sets		1	\$0.0
	Copper Tape, (Down Conductor), pure copper	meters		15	\$0.0
	Copper Tape Clips	Each		20	\$0.0
	Bentonite Compound (Earthing Compound)	kgs		20	\$0.0
	<b>Sub total</b>				<b>\$0.0</b>
<b>8</b>	<b>Installation Supplies/Miscellaneous items</b>				
	MDF or Marine plex board	Each		1	\$0.0
	Truncking 50X100X300	Each		4	\$0.0
	Truncking 25X38X300	Each		4	\$0.0
	PVC Conduit Pipes 25 mm2 heavy gauge	Each		10	\$0.0
	PVC Conduit Bends 45 degrees -25m2	Each		10	\$0.0
	PVC Conduit Couplars -25mm2	Each		10	\$0.0
	Sanddle Clips - 25 mm	Each		15	\$0.0
	PVC Solvent cement clear 118ml	Tins		1	\$0.0
	Silicon	Each		2	\$0.0
	Star Self taping screws -1.5 inch	kgs		1	\$0.0
	Hex head self drilling screws 4 inch	kgs		2	\$0.0
	Nails - concrete, 3 inches	Pkts		2	\$0.0
	MS8 Bolts and Nuts	kgs		2	\$0.0
	Cable ties	Pkts		4	\$0.0
	Insulating tapes	Each		6	\$0.0
	Adaptable boxes -	Each		2	\$0.0
	<b>Sub total</b>				<b>\$0.0</b>
<b>9</b>	<b>Shippment and Handing</b>				
	From supplier's Warehouse to customer's prefered Sites. Cost is directly proportional to trip distance, cargo capacity, and feasible shipment mode.	trip		1	\$0.0
	VAT and other locally imposed taxes at the point of sell and during Cargo shipment, from supplier to customer	lump sum		1	\$0.0
	<b>Sub total</b>				<b>\$0.0</b>
<b>10</b>	<b>Equipment Housing and Customarization (Battery room)</b>				
	Room or Space, which should be secured, vented, protected against extreme heat, not exposed to liquid substances ideally of temps at 25'C or lower.	lump sum		1	\$0.0
	<b>Sub total</b>				<b>\$0.0</b>
<b>11</b>	<b>Consultancy, Installation and Commissioning</b>				
	Solar Engineer, Technicians, and labor for Solar system design, installation & commissioning	lump sum		1	\$0.0

