ADRA
SOUTH SUDAN

ADVENTIST DEVELOPMENT AND RELIEF AGENCY (ADRA)

MUNUKI SDA CHURCH COMPOUND, OFF KUWAIT ESTATE,

JUBA SOUTH SUDAN

DATE: 19th September, 2023

REQUEST FOR QUOTATIONS

ORGANIZATION BACKGROUND

The Adventist Development and Relief Agency (ADRA) is a global humanitarian organization of the Seventh-day Adventist church which has been in operation for over 60 years. Through an international network, ADRA delivers relief and development assistance to individuals in more 130 countries------ regardless of their ethnicity, political affiliation, or religious association. By partnering with communities, organizations, and governments. ADRA is able to improve the quality of life of millions through 9 impact areas namely: Livelihood and Agriculture; Children; WASH, Community Health; Disaster Response; Economic Growth; Hunger and Nutrition; Social Justice and Gender Equity

For over 37 years, ADRA South Sudan has been making a difference in individual's lives in one of the most difficult contexts in the world in both development and emergency contexts. In South Sudan, we implement programs in six thematic program areas of Education, Primary Health Care, Emergency Response and Integrated programming, including livelihoods and Agriculture; HIV/AIDS; WASH; economic empowerment and gender.

ADRA South Sudan through its **ACCESS** project is calling for quotations from refutable companies **for supply of solar powered irrigation system as specified below:**

KEY INFORMATION TO BIDDERS: PLEASE FOLLOW THE GUIDANCE OF THE RFQ ATTACHED

S/N	Item Description (Specification of items/works)	Quantity	Unit
1	Solar water pumps	6	Pcs
2	Solar panels 340W	6	Panels
3	Suction Horse pipe with spiral reinforcement HOSE – 32mm steel wire reinforced – (50m roll) complete with its connectors	12	Rolls/sets
	TOTAL VALUE		

NOTE:

1. See attached details of the pump.
2. A successful vendor is expected to be responsible for transportation of the materials and deliver it to our office in Juba.

DATELINE: Strictly on 28th September, 2023 at 4:00 PM local time

SUBMISSION AND REQUIREMENTS

Vendors shall enclose all relevant legal registration documents, including latest bank statement, valid Tax clearance certificate, etc in a well-sealed envelope. Ensure to register your hand delivered quotation/bids with procurement before you leave. Only successful and competitive bidder will be notified. ADRA deserve the right to either amend or cancel this quotation with or without notification. The prospective bidder is entirely responsible for any cost related to the preparation and submission of their quotations.

The envelope shall bear the warning **"Not to be open before the time and date for bid opening".** ADRA South Sudan will not assume responsibility of any UNSEALED and UNMARKED envelope if misplaced and will be rejected by the committee.

The language for the bids shall be **ENGLISH** only.

FOR ANY CLARIFICATION OR INQUIRY, contact, ADRA South Sudan Head Office

Juba Munuki SDA Church Compound.

Emmanuel Taban Peter

Operations & Security Manager

ADRA South Sudan

ADRA

ADRA SOUTH SUDAN

QUOTATION REQUEST FORM

Request for quote# _____***8160***_____ ***Date***_____***19/09/2023***_____

Dear Sir/Madam:

ADRA is seeking quotation for the procurement of items listed in product "specification" below. Quotation from qualified vendors will be evaluated based on criteria listed established by ADRA including but not limited to, price, quality of goods, delivery, service/support, if applicable. ADRA reserves the right to accept or reject any and all bids. We would appreciate it if you could provide us with quotations for the items mentioned below. Specify additional information, if necessary

Thank you in advance.

Supplier's Name: _____ *Date:* _____ *Address:* _____

Tel: _____*Email:* _____

Line item	***Date required***	***Item Description***	***Qty***	***Unit***	***Unit/ Price***	***Total***
1	*28/09/2023*	Solar water pumps	6	pcs		
2		Solar panels 340W	6	pcs		
3		Suction Horse pipe with spiral reinforcement HOSE – 32mm steel wire reinforced – (50m roll) complete with its connectors	12	Rolls/sets		

TOTAL:	

Remarks: _____

Total Amount in Words: _____

Quotation Valid Until (Date): _____

Vendor's requested payment terms: _____

Delivery period: _____

Vendor's Authorized Signature: _____ *Date:* _____

Vendor's Stamp

ennos sunlight pump datasheet

General Information of the sunlight pump

- ✓ Solar water pump with integrated controller – for easy plug and pump up to 22 m^3 water per day
- ✓ Maximum Power Point Tracking and variable speed operation – for maximum water output at any time of the day
- ✓ 0.5HP (373W) Brushless DC Motor - for maintenance free operation and high efficiency over wide flow and pressure range
- ✓ Progressive Cavity Displacement-pump mechanism – for constant flow regardless of pressure
- ✓ Online configuration tool – for sizing the correct panel configuration from 100 to 500 Watt according to customer needs
- ✓ LED Display – for fast information about operation, trouble shooting and actual flow rate
- ✓ Bluetooth Interface – for detailed actual and statistical data through android phone using the ennos sunlight pump app
- ✓ Water flow and tank overflow sensors for an automated and simple operation of the pump system
- ✓ Operation with Battery – for constant operation without sunshine
- ✓ Overflow switch interface – for a sustainable use of water

Technical specifications Model: JSPBL0.3/HF2.4-5

Total dynamic head (TDH)	40 m
Suction capacity at sea level (vertical meters)[1]	7 m
Maximum water flow rate	45 l/min
Range of maximum power point voltage (V_{MPP}) [2,3]	15 - 52 V
Range of open circuit voltage (V_{OC})[4]	17 - 65 V
Maximum Input current @ 25°C	9.5 A
Maximum Input power	500 W
Temperature operation of pump	0 - +50 °C
Temperature storage[5]	-30 - +55 °C
Pump dimensions	L 595 x H 290 x W 240 mm
Pump weight	14 kg
Inlet	Foot valve with strainer
Type of enclosure	IP65

1 Suction capacity at sea level. Subtract 1m for every 1000m altitude.

2 PV modules at standard test condition: AM = 1.5, E = 1,000 W/m2, cell temperature: 25 °C

3 CAUTION: If the connected solar module supplies an open circuit voltage of more than 65 V, the controller will be destroyed. When selecting the solar module, it is important to bear in mind that the open circuit voltage should never exceed 65 V over the entire working temperature range. When using solar modules with a maximum open circuit voltage of between 60 and 65 V (over the entire temperature range), all installation steps must be carried in accordance with protection class II.

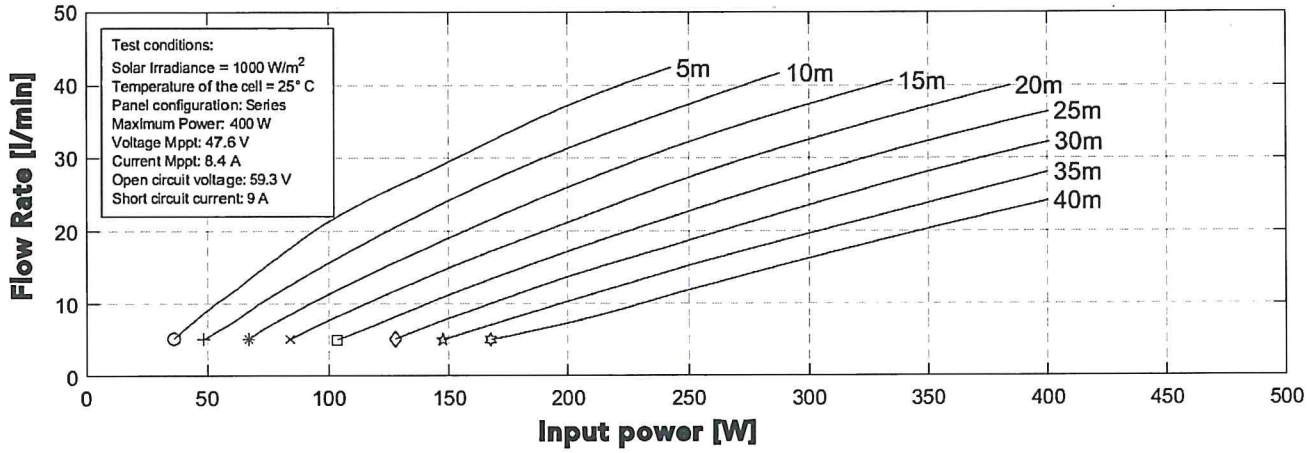
4 PV modules at standard test condition: AM = 1.5, E = 1,000 W/m2, cell temperature: 0 °C

5 Pump must be empty if stored at temperatures below 0°C

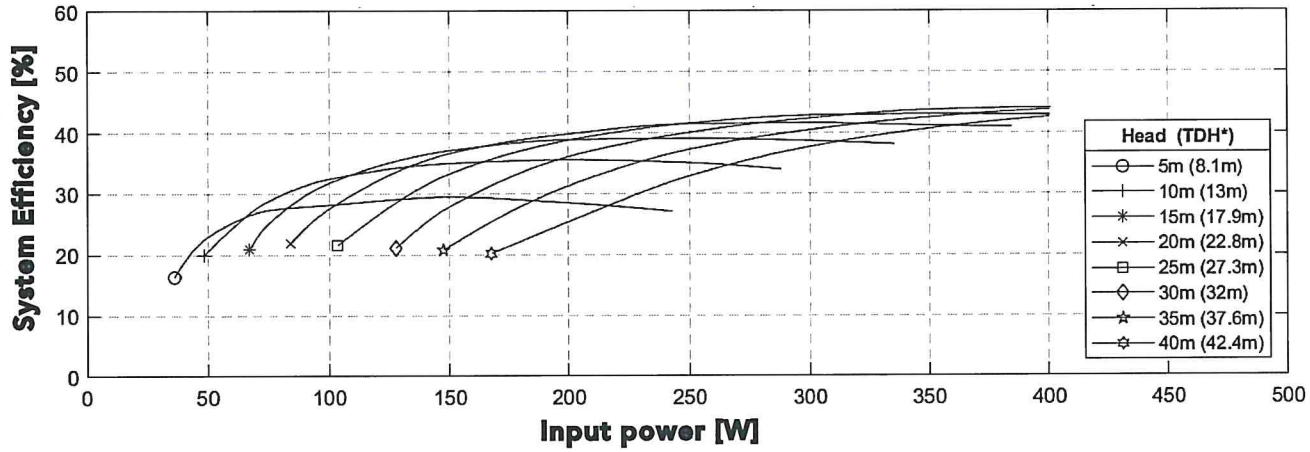
SUNLIGHT PUMP

ennos sunlight pump datasheet

sunlight pump performance chart



sunlight pump efficiency chart



* TDH: Total dynamic head includes pressure loss
Curves in Graphic are mean values. Input power is measured at the pump, not the solar panels

Battery mode with Valve Regulated Lead Acid (VRLA) battery

Nominal voltage*	12 / 24 / 36 / 48 V

* The use of the sunlight pump in battery mode requires an external charge controller to avoid deep discharging of batteries by the pump and to control the charging through the solar panels

Further Information

www.ennos.ch

SUNLIGHT PUMP