

Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
Regional Office No. 1
DMMMSU MLU Campus
City of San Fernando, La Union

INVITATION TO BID ON
Procurement for the Supply, Delivery, and Installation of 5CMD SOLAR
POWERED DESALINATION SYSTEM
DOST1PB2023-03

1. The **Department of Science and Technology Regional Office No. 1 (DOST 1)**, through the CEST CY 2023, intends to apply the sum of **Three Million Pesos Only (3,000,000.00)** being the Approved Budget for the Contract (ABC) to payments under the contract of the **Procurement for the Supply, Delivery and Installation of 5CMD Solar Powered Desalination System for the community at Silaki Island in Brgy. Binabalian, Bolinao as one of the STI interventions under the CEST Program.**
2. Bids received in excess of the ABC shall be automatically rejected at bid opening.
3. The **DOST Regional Office No. 1** now invites bids for the above Procurement Project. Delivery of the Goods is required upon receipt of Notice to Proceed issued by the agency for **120 working days**. Bidders should have completed, within **3 years** from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
4. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
 - a. Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.


5. Prospective Bidders may obtain further information from **DOST Regional Office No. 1** and inspect the Bidding Documents at the address given below during **Monday to Friday (8 A.M. to 5 P.M.)**.
6. A complete set of Bidding Documents may be acquired by interested Bidders on site or thru email on **September 6-18, 2023 (deadline)** from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines, Appendix 8, on the Sale of Bidding Documents issued by the GPPB. The Procuring Entity shall allow the bidder to present its proof of payment for the fees.

Approved Budget for the Contract	Maximum Cost of Bidding Documents (in Philippine Peso)
500,000 and below	500.00
More than 500,000 up to 1 Million	1,000.00
More than 1 Million up to 5 Million	5,000.00
More than 5 Million up to 10 Million	10,000.00
More than 10 Million up to 50 Million	25,000.00
More than 50 Million up to 500 Million	50,000.00
More than 500 Million	75,000.00

It may also be downloadable free of charge from the website from the Philippine Government Electric Procurement System (PhilGEPS) and the website of the Procuring Entity, provided that Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.


7. The **DOST Regional Office No. 1** will hold a **Pre-Bid Conference** on **September 15, 2023; 10:00 A.M. at DOST RO1 Multipurpose Hall, DMMMSU MLU Campus, City of San Fernando, La Union** through **face to face and online** which shall be open to prospective bidders.
8. Bids must be duly received by the BAC Secretariat **through face-to-face manual submission** at the office address indicated below on or before **September 25, 2023, at 10:00am sharp**. Late bids shall not be accepted.
9. All Bids must be accompanied by a **bid security of one (1) lot** in any of the acceptable forms and in the amount stated in **ITB Clause 14**.

10. Bid opening shall be on **September 25, 2023; 10:00 A.M. sharp** at **Department of Science and Technology Regional Office No. 1 Multipurpose Hall, DMMMSU MLU Campus, City of San Fernando, La Union**. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
11. The **Department of Science and Technology Regional Office No. 1** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:


DECTH 1180 P. LIBUNAO
BAC Chairperson
DOST REGIONAL OFFICE 1
dplibunao@region1.dost.gov.ph
DMMMSU MLU Campus
City of San Fernando, La Union (888-3399)
<http://region1.dost.gov.ph/>

13. You may visit the following websites:

For downloading of Bidding Documents: <http://region1.dost.gov.ph/>
September 19, 2023


DECTH 1180 P. LIBUNAO
BAC Chairperson
DOST REGIONAL OFFICE 1
dplibunao@region1.dost.gov.ph

1	Supply, Delivery, and Installation of 5CMD Solar Powered Desalination System the community at Silaki Island in Brgy. Binabalian, Bolinao		
	Technical Specifications:		
	Intake System		
	Type	Submersible pump	
	Material	100% high-grade stainless steel inside/out with resistance to sand and corrosive water	
	Capacity	17 cmd at 35 mTDH	
	Power Rating	220 V, 60Hz, 1 Phase	
	Raw Water Tank (scope by client)		
	Material	Polyethylene	
	Capacity	500 Liters	
	Accessories	Float Switch, drain plug	
	Feed Pump		
	Capacity	1.4 m3/hr. at 33 m TDH	
	Power Rating	220 V, 60Hz, 1 Phase	
	Chemical Dosing		
	Flocculant Dosing		
	Flowrate	1.0 L/r.; 1.0 MPa	
	Tank	40 Liter	
	Reducing Agent		
	Flowrate	1.0 L/hr; 1.0 MPa	
	Tank	40 Liter	
	Anti-scale Dosing		
	Flowrate	1.0 L/r.; 1.0 MPa	
	Tank	40 Liter	
	Multimedia Filter		
	Material	Fiber-reinforced Plastic (FRP)	
	Size	325 mm diameter x 1380mm SH	
	Pressure Rating	150 psi	
	Max. Temp.	122 deg. F	
	Standard	NSF Std.	
	Accessories	- Valve Controller (Capable of Auto/Manual Operation;	

Piping		
Low Pressure Line	PVC	
High Pressure Line	Stainless steel/High Pressure hose	
Electrical and Instrumentation		
Power Supply	220V, 60hz, 3phase	
Controller	PLC programmable controller	
High- and Low-Pressure Instrumentation		
Pipeline flowmeter		
Conductivity meter		
Solar Powered System		
Solar Panel		
Inverter		
PV Combiner		
Battery and cable		
Battery box		
DC Cable		
Solar Support		

		Timer or Volume Based) - Pressure gauges and sampling ports for filter inlet and outlet	
	Media	Anthracite, Silica Sand and Pebbles	
Safety Filter 1			
	Material	Fiber-reinforced Plastic (FRP)	
	Size	20" x 10-micron PP filter element	
Safety Filter 2			
	Material	Fiber-reinforced Plastic (FRP)	
	Size	20" x 5-micron PP filter element	
Reverse Osmosis System			
	RO HP Pump	High grade stainless steel	
	Capacity	1.4 m3fr.	
Reverse Osmosis System			
	RO HP Pump	High grade stainless steel	
	Capacity	1.4 m3fr.	
	Pressure Rating	402 m	
	Recovery	25-30%	
	Membrane Element	Seawater membrane	
	Size	4" x40"	
	Membrane Polymer	Composite Polyamide	
	Max. Applied Pressure	1,200 psig	
	Max. Temperature	113 deg F	
	Membrane Module	Fiber-reinforced Plastic (FRP)	
	Inclusions	- RO CIP system - RO Stainless Steel Skid	
Product Water Tank (scope by client)			
	Material	Polyethylene	
	Capacity	500 Liters	
	Accessories	Float Switch, drain plug	
Distribution			
	Stainless steel faucet		
	Ultraviolet unit		

5CMD SOLAR POWERED DESALINATION SYSTEM Silaki Island, Bolinao Pangasinan

