Santa Maria
WATER DISTRICT

March 25, 2024

P-RFQ No. 2024-041A

REQUEST FOR QUOTATION

SUPPLY AND DELIVERY OF REMOTE TELEMTRY OUTSTATION
(WR-2024-02-029)

The Santa Maria Water District (SMWD) hereinafter referred to as "the Purchaser", through its Bids and Awards Committee (BAC), invite interested parties to submit price quotation for the project, "**SUPPLY AND DELIVERY OF REMOTE TELEMTRY OUTSTATION"** through Small Value Procurement (Sec. 53.9 of R.A. No. 9184) with Approved Budget for the Contract (ABC) of Two Hundred Forty Thousand Pesos Only **(₱240,000.00).**

	Description	Qty	Unit	Unit Cost	Total Amount
1	**REMOTE TELEMTRY OUTSTATION** DATA LOGGER	2	PC		
	*** nothing follows ***				
	*** please see attached specifications ***				

All items listed under the purchaser's specifications must be complied on a pass-fail basis.

Failure to meet any one of the requirements will result to rejection.

Likewise, it is understood that Purchaser's specifications are minimum requirements. The Bidder/Supplier may offer higher specifications or additional items, if any.

Procurement procedures will be conducted in accordance with the provisions of the Implementing Rules and Regulations (IRR) of Republic Act No. 9184 (Government Procurement Reform Act).

It is the intent of the Purchaser to evaluate the quotation for the item and award will be made to the quotation resulting in the overall lowest cost, meeting purchaser's technical specifications.

Likewise, in accordance with Section 54.6 and Appendix A of Annex "H" (Consolidated Guidelines for the Alternative Methods of Procurement) of the IRR of RA No. 9184, the supplier shall provide the following documentary requirements as a **condition for award** of the contract. The documents shall be attached together with the quotations.

1. PhilGEPS Registration Number
2. Mayor's/Business Permit
3. Photo Copy of Sample Official Receipt (OR)
4. Certificate of Registration (BIR FORM 2303);

5. Duly Notarized Omnibus Sworn Statement.

Your prices must be quoted in Philippine Peso and must include the unit price and total price, inclusive of all taxes to be paid and other incidental cost to the delivery site if the contract is awarded.

Payment shall be through check and advance payment is not allowed. Payment shall only be made upon completion of delivery of all items.

All quotations may be typewritten or handwritten and may be placed in sealed envelope marked "**SUPPLY AND DELIVERY OF REMOTE TELEMTRY OUTSTATION**" (RFQ No. 2024-041A) and must be submitted on or before **April 3, 2024, 11:00AM** at the SMWD main office. It may also be sent thru email on our official email address at smwdbulacan@yahoo.com on the specified time stated above and address to the **BAC Chairperson**, **Maria Leonora S. Romarate.**

Quotations shall be valid for thirty (30) calendar days from the deadline of submission of the same.

The delivery period shall be within **5 Days** from receipt of the Purchase Order (PO). The supplier should inform the purchaser at least two (2) days before the date of delivery. The Purchaser shall have the right to reject or to return the items that will be declared defective. The delivery will be made only during working days from 8:00 AM to 5:00 PM.

DELIVERY SITE: General Services Division of SMWD located at 301 J. P. Rizal St., Dulong Bayan, Santa Maria, Bulacan.

The prospective supplier shall submit the following:

a) Duly accomplished Quotation Form; and
b) Brochures of the items offered, if any.

The Santa Maria Water District reserves the right to accept or reject any quotation, and to annul the procurement process and reject all quotations at any time prior to Contract award, without thereby incurring any liability to the affected supplier or suppliers. SMWD also reserves the right to waive any required formality in the proposals received, and select the proposal which it determines to be the most advantageous to the government.

Prepared by:

Sgd.

Romel P. Lazaga
Procurement Assistant

Noted by:

Sgd.

Maria Leonora S. Romarate
BAC Chairperson

1	Remote Telemetry Outstation Pressure Data Logger	Remote telemetry outstation delivering a scalable and versatile solution for reducing operating and capital costs. Multiple site parameters are monitored, recorded and transmitted over 2G (SMS/GPRS), 3G, NB-IoT and LTE Cat M1 networks, providing a comprehensive multi-application solution for the Utilities and Industry. Key Features Future ready. Support for LTE Cat M1 and NB-IoT leverages low power network capability for greater energy efficiency Flexible communication build options supporting either 2G only; 2G / 3G; or 2G / NB-IoT / LTE Cat M1 Physical build options for up to two pressure and eight user programmable digital or analogue inputs Two independent digital outputs configurable for external power control, alarm signalling or switching 12 Volt outputs for powering 4-20mA loops Proven bidirectional Cello communication with automatic gap filling ensuring high level data reliability and supporting remote product configuration Remote set-up, monitoring and control through locally deployed PMAC software or web based WaterCore platform Models available to facilitate closed loop control of pressure reducing valves, pressure sustaining valves and variable speed pumps Water temperature measurement Advanced channel profile and threshold alarms High frequency (100 Hz) pressure transient detection critical to extending asset life and network modelling Low power design. Support for external battery packs and DC supply Rugged, portable and waterproof to IP68 Typical remote monitoring applications include, but not limited to: Transmission: Supply Pressure, Transient Recording, Flow Pressure Managed Areas: Advanced Pressure Control, Control Valve Stability, Distribution Flow, Average Zonal Pressure, Levels of service, Water Temperature, Step Testing District Metered Areas: Flow, Automated Meter Reading Effluent and Waste Water: Sewer Level, Discharge consent levels, Open Channel Flow dissolved Oxygen, Hydrogen Sulphide, Turbidity Reservoirs & Storage Tanks: Level and Overflow Rivers and Streams: Flood Warnings, Flow, Water Quality Weather: Rainfall, Humidity, Temperature and Wind speed Farming & Irrigation: Soil Moisture Pumping Stations: Pressure Control, Duty Cycle, Run time, Status and Efficiency Water Extraction & Wells: Level, pH Water Treatment Plant: Water Quality, Chlorine Dosing, Turbidity, Power & Energy: 3-Phase supplies, Current consumption, Metering Customer Service: Levels of service, low pressure complaints, data access over the Web	**Key Features** • Future ready. Support for LTE Cat M1 and NB-IoT leverages low power network capability for greater energy efficiency • Flexible communication build options supporting either 2G only; 2G / 3G; or 2G / NB-IoT / LTE Cat M1 • Physical build options for up to two pressure and eight user programmable digital or analogue inputs • Two independent digital outputs configurable for external power control, alarm signalling or switching 12 Volt outputs for powering 4-20mA loops • Proven bidirectional Cello communication with automatic gap filling ensuring high level data reliability and supporting remote product configuration • Remote set-up, monitoring and control through locally deployed PMAC software or web based WaterCore platform • Models available to facilitate closed loop control of pressure reducing valves, pressure sustaining valves and variable speed pumps • Water temperature measurement • Advanced channel profile and threshold alarms • High frequency (100 Hz) pressure transient detection critical to extending asset life and network modelling • Low power design. Support for external battery packs and DC supply • Rugged, portable and waterproof to IP68

Technical Specifications

Standard Build Options

Inputs	**2i -** Configurable for up to two digital or analogue inputs **1P -** One internal or external pressure transducer **1P2i -** Configurable for one internal or external pressure transducer and up to two digital or analogue inputs **2P2i -** Configurable for up to two internal or external pressure transducerand up to two digital **1P7i -** Configurable for one internal or external pressure transducer and up to seven digital or analogue inputs **8i -** Configurable for up to eight digital or analogue inputs; supporting 12v flash powering
Pressure Sensors	**1P, 1P2i, 2P2i & 1P7i options only** **Input range:** 0 - 100 m, 0 - 200 m; 0 - 10 bar, 0 - 20 bar; 0 - 150 psi, 0 - 300 psi **Programmable:** +/- 0.5% or +/- 0.1% resolution F.S. - Supports average and statistical recording of pressure (min, max, mean, standard deviation) over logging interval
Outputs	**1P7i & 8i options only:** Two independent digital outputs for external power control and alarm signalling (0 & 3 volt levels, active low, 100k output impedance) or two individually switched 12 Volt outputs for powering 4-20mA loops

Standard Specification - Common to all Variants

Electrical Inputs	**Configurable channel strategies :** Voltage, event, tamper / status, count, frequency and encoder **Digital:** Pulses counted over, and recorded at, pre-set intervals. Tamper/status and event time supported **Frequency input:** Switch closures or logic pulses, maximum frequency 16 kHz, programmable sampling period **Analogue:** 0 - 2.5V, 0.01V resolution as standard, <1mV with 8 channel option
Modem	**Integral antenna:** Optional external antenna - Support for 2G, 3G, NB-IoT and LTE Cat M1 frequencies (subject to build option) **SIM:** User replaceble SIM card
Data Transmission	**Type:** 2G, 3G, NB-IoT and LTE Cat M1 networks (subject to build option) **Interval:** 1 min to 1 month at programmable date and time
Memory	**Size:** 512K, allocable between channels as required (max 64K per channel)
Clock	**Type:** Crystal controlled calendar clock with leap year adjustment - Option to synchronise clock to local network at regular intervals
Supply	- User replaceable Internal lithium battery pack, typical battery life > 5 years depending on mode of use - High capacity external lithium battery pack, user replaceable
Recording	**Interval:** Programmable between 1 second and 1 hour **Data storage:** Rotating store or store until full
Alarm Dial-Out	- Four threshold and profile alarms, independently configurable on each channel - Option to update data on alarm and more frequently thereafter
Environmental	**Operating ambient temperature:** -20°C to +50°C **Ingress protection classification:** IP68 (submersion at 1m depth for 48 hours)
Mechanical	**Dimensions (mm):** 149 x 146.5 (h) **Weight:** 0.750kg