



Bid Notice Abstract

Request for Quotation (RFQ)

Reference Number 10929989
Procuring Entity MANGALDAN WATER DISTRICT
Title SUPPLY, DELIVERY, INSTALLATION, PROGRAMMING AND TESTING OF THREE (3) UNITS VARIABLE FREQUENCY DRIVE (VFD)
Area of Delivery Pangasinan

Solicitation Number:	MAWADGOODS#9, S. 2024	Status	Pending
Trade Agreement:	Implementing Rules and Regulations	Associated Components	1
Procurement Mode:	Negotiated Procurement - Small Value Procurement (Sec. 53.9)	Bid Supplements	0
Classification:	Goods	Document Request List	0
Category:	Water Service Connection Materials/Fittings	Date Published	07/06/2024
Approved Budget for the Contract:	PHP 441,573.30	Last Updated / Time	06/06/2024 12:05 PM
Delivery Period:	30 Day/s	Closing Date / Time	13/06/2024 14:00 PM
Client Agency:			
Contact Person:	Bernadeth D Dizon Industrial Relations Management Officer A Serafica St., Mangaldan Pangasinan Philippines 2432 63-75-5235884 63-75-6530574 mangaldanwaterdistrict0979@yahoo.com		

Description

INSTRUCTIONS TO SUPPLIERS AND SPECIFICATIONS FOR THE SUPPLY, DELIVERY, INSTALLATION, PROGRAMMING AND TESTING OF THREE (3) UNITS VARIABLE FREQUENCY DRIVE (VFD) (MAWADGOODS#9, S. 2024)

1. Invitation is restricted to Filipino Citizens/Sole Proprietorships, Cooperatives and Partnerships or Organizations with at least Sixty Percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines.
2. Prospective Suppliers shall submit their duly signed quotation together with the authentic copy of the original required documents in sealed envelopes.
3. The required documents refers to the following;
 - a. Mayor's/Business Permit
 - b. PhilGEPS Registration Number
 - c. Income/Business Tax Return
 - d. Omnibus Sworn Statement
 - e. Warranty of one (1) year (if awarded the contract)
 - f. Authority of the Signatory to transact and enter into a contract with the Mangaldan Water District

4. Failure to submit one or more of the required documents, the BAC shall rate the supplier as "failed".
5. Deadline for the submission of quotation and aforesaid required documents shall be on or before June 13, 2024, 2:00 P.M. only.
6. Quotation and required documents submitted after the deadline shall not be accepted by the BAC.
7. Specifications

SUPPLY, DELIVERY, INSTALLATION, PROGRAMMING AND TESTING OF:

- ONE (1) UNIT VARIABLE FREQUENCY DRIVE, 20HP, 15KW, 3-PHASE, 220V, LED KEYPAD, IP20
- ONE (1) UNIT VARIABLE FREQUENCY DRIVE, 25HP, 18.5KW, 3-PHASE, 220V, LED KEYPAD, IP20
- ONE (1) UNIT VARIABLE FREQUENCY DRIVE, 50HP, 37KW, 1-PHASE INPUT, 3-PHASE OUTPUT, 220V, LED KEYPAD, IP20

Technical Specifications:

- LED keypad with 5-digits seven-segment display or LCD keypad
- Control Modes (V/F, SLV, PMSLV with Space Vector PWM Mode)
- Output Frequency (0.01Hz~599.0Hz)
- Frequency Accuracy Digital references : $\pm 0.01\%$ (-10 ~ +40°C), Analog references : $\pm 0.1\%$ (25°C $\pm 10^\circ\text{C}$)
- Overload Tolerance (120% /1 min)
- Voltage / Frequency Characteristics (Can arbitrarily set V / F curve based on parameters)
- 20% Braking Torque
- Stall Protection
- Over Current (OC) and Output Short-circuit (SC) Protection
- Inverter Overload Protection (OL2) and Motor Overload Protection (OL1)
- Over Voltage Protection (OV) and Under Voltage Protection (UV)
- Momentary Power Loss Restart
- Overheat Protection (OH) and Ground Fault Protection (GF)
- Charge Indicator
- Input/Output Phase Loss Protection (IPL/OPL)
- Short-circuit Current Rating (SCCR)
- Robust Design (PCB coating that meets IEC 60721-3-3 Class 3C3 standard)
- Automatic Energy Saving Function up to 25%
- Pump Cascade Control via optional pump card (1 VFD can control up to 8 pumps)
- Blockage Inspection, Sleep Mode, and Dry Pump Protection
- Main Control Functions (Auto Tuning, Soft-PWM, Over-Voltage Protection, Dynamic Braking, Speed Search, Standard, Simple PLC Function, 2 Sets of Analog Output, Safety Switch) Momentary Power Loss Restart, 2 Sets of PID Control, Slide Difference Compensation, RS-485 Communication Standard, Standard, Simple PLC Function, 2 Sets of Analog Output, Safety Switch)

Inclusive Scope of Work:

1. Initial Inspection
2. Installation
3. Power-up Test
4. Parameters
5. Control Wiring Check
6. Functional Testing
7. Load Testing
8. Safety Checks
9. Documentation
10. Brief Training
11. Demobilization

CONTRACT DURATION: 30 Calendar Days

WARRANTY: One (1) year covering parts and services

Created by Bernadeth D Dizon

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