



Republic of the Philippines  
 GENERAL SANTOS CITY WATER DISTRICT  
 E. Fernandez Street, Barangay Lagao General Santos  
 Telephone No.: 552-3824; Telefax No.: 553-4960  
 Email Address: gscwdprocurement@yahoo.com

GPM-014-2

**REQUEST FOR QUOTATION**

RFQ #: 3-0620-026      DATE: 7/28/2020

SUPPLIER: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 TELEPHONE NO. : \_\_\_\_\_  
 TIN NO. : \_\_\_\_\_

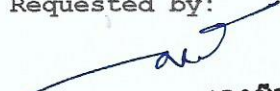
Dear Sir/Madam,

Pls. quote your lowest price on the item/s listed below subject to general condition stating the shortest time of delivery and submit your quotation duly signed by your representative not later than 8/3/2020, Pls. furnish this office the following articles subject to the terms and conditions contained therein.

ITEM NO.	DESCRIPTION	QTY.	UNIT	UNIT PRICE
1	VARIABLE FREQUENCY DRIVE (VFD) : PLS. SEE ATTACHED SPECIFICATION (ABC PHP 700,000.00) ##### nothing follows #####	1	sets	P

Date of Delivery: \_\_\_\_\_  
 Price Validity : \_\_\_\_\_  
 Terms of Payment: \_\_\_\_\_

Place of Delivery: GSCWD Bodega  
 \*\*\*\*\*No partial delivery allowed\*\*\*\*\*  
 Note: 6% WITHHOLDING TAX DEDUCTION  
 PR NO.: 0520-019

Requested by:  
  
**GESE N. BAÑEZ**  
 MATERIALES PROCUREMENT OFFICER A

Price quoted by:  
 \_\_\_\_\_  
 Supplier  
 \_\_\_\_\_  
 Date



## **TECHNICAL SPECIFICATION**

### **TITLE: PURCHASE OF BRAND NEW (1) SET BRAND NEW Digital Variable Frequency Drive MOTOR CONTROLLER COMPLETE WITH ACCESSORIES**

#### **1.0 SCOPE OF CONTRACT**

The scope of work shall be supply, delivery and commissioning of one (1) set Digital Variable Frequency Drive motor controller complete with accessories to General Santos City Water District (GSCWD).

#### **2.0 MOTOR CONTROLLER REQUIREMENTS**

1. Enclosure, Free Standing, IP55 ingress protection, gasketted with screened/louver ventilation and ventilation fan industrial type 220Vac, cable glands for supply power, motor supply and control cables.
2. Molded Case circuit breaker, 3 Pole, 200Amp, 480Vac minimum operating voltage with built in shunt trip coil @ 440Vac.
3. 3 phase Over/Under Voltage relay with phase rotation and delay 380vac – 500Vac.
4. 3 pole, MCB, 10Amp, 480Vac, din rail mount. 2 pcs.
5. Transient Voltage surge suppressor (TVSS), 600Vac, 3 phase + N. 35Kaic with monitoring LED. Nema Standard.
6. 750VA, dry type transformer, 480Vac- 220Vac/110Vac, 1 phase, center tap.
7. LED Lamp. 220Vac with door limit switch.
8. Illuminated push buttons, 220Vac, start, stop and reset.
9. Local and remote selector switch. 3 positions, maintained.
10. Liquid Level relay, hi and low for well application. 220Vac control voltage. Complete with liquid level relay probe.
11. Digital Variable Frequency Drive with torque control system, speed output frequency 0.1 - 599Hz and acceleration-deceleration ramps 0.01 – 9999s. 3 phase, 380-500Vac voltage range (+-10-15% tolerance), 100hp @ 480vac, heavy duty application. Graphical terminal display, SCADA ready, built pumping control system and integrated EMC filter. With provision for external reset,





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- external start stop, external speed control. Complete protection against phase rotation, over/under voltage, thermal overcurrent, lock rotor, ground fault, under current, definite time overcurrent. Digital monitoring of voltage, current, frequency, energy, kW and fault history included. With RS485 communication port.
12. Digital multifunction power meter and energy meter, LED display, 35...480VAC, RS485
  13. PR Series Paperless Recorder 4.3" Display with 6 AI, 3 Relays + 3 DI, 11-36VDC, RS485
  14. Current transformer split core type as rated
  15. Pre-wired for constant pressure system
  16. Control wiring and power wiring design (cable type and rating included) shall be included for review with the proposal. VFD, Breakers, TVSS specs shall also be submitted along with the quotation.
  17. Installation supervision and commissioning and training must be included in the offer.

### 3.0 DELIVERY TERMS AND CONDITIONS


1. The winning bidder shall deliver one (1) set Digital Variable Frequency Drive motor controller complete with accessories within **Thirty (30)** calendar days upon receipt of Purchase Order (PO).
2. The winning bidder shall be subjected to Liquidated Damages (LD) for each day of delay as provided by the IRR of RA 9184.
3. That the winning bidder shall issue a warranty certificate of not less than one (1) year and the warranty shall commence from the date of commissioning of the pumping equipment.
4. That the winning bidder shall provide technical manuals of the Digital Variable Frequency Drive motor controller to GSCWD and shall conduct technical orientation on standard operating procedures to the GSCWD representatives.



5. That the bidder must have an available qualified and trained technicians 24/7 in case of equipment failure.

Prepared by:

  
**EDMUND L. BADAL, REE**  
TWG – Member

  
**DLUANIE R. ENERIO, ME**  
TWG – Member

  
**JUDY LIM PASKAN**  
TWG – Member

  
**MICHAEL G. GABALES, REE**  
TWG – HEAD

Recommending Approval:

  
**ROGELIO A. BESANA JR. C.E./RMP**  
Manager A – Engineering & Const'n. Dept.

Approval:

  
**ARN B. GELLANGARIN, PME**  
General Manager A