



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 #: 3-0221-013 DATE: 02/03/2021

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 02/09/2021, 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) : PLEASE SEE ATTACHED SPECIFICATIONS-ABC: PHP 520,000.00	1	sets	P
2	VARIABLE FREQUENCY DRIVE (VFD) : PLEASE SEE ATTACHED SPECIFICATIONS-ABC: PHP 440,000.00 ##### 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.: 0121-087

Requested by:


NESTOR R. CABAÑERO
MATERIAL PROCUREMENT
OFFICER A

Price quoted by:

Supplier

Date



TECHNICAL SPECIFICATION

TITLE: PURCHASE OF TWO SETS VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER

1.0 SCOPE OF CONTRACT

The scope of work shall be supply, and delivery of Two (2) sets of Variable Frequency Drive Motor Controller to General Santos City Water District (GSCWD).

2.0 Variable Frequency Drive Operating Requirement

PARTICULARS	REQUIREMENT	
	SET 1	SET 2
Product or Component Type	Variable Frequency Drive	Variable Frequency Drive
Accessories	With complete Accessories	No Accessories (VFD only)
Motor power, Hp (Kw)	125 (93)	125 (93)
AC Voltage Range	380v - 500v	380v - 500v
Voltage % Tolerance	+10% -15%	+10% -15%
Supply Number Of Phases	3 phases	3 phases
Prospective line Isc	50 kA	50 kA
Maximum Transient Current for 60 s	190 A	190 A
Maximum Continuous Current	173A	173A



Maximum Continuous Current	173A	173A
Acceleration-Deceleration Ramps	0.01 - 9999s	0.01 - 9999s
Speed Output Frequency	0.1 - 599Hz	0.1 - 599Hz
Enclosure Rating	IP55	IP55
Digital Variable Frequency Drive with torque control system, heavy duty application. Graphical terminal display, SCADA ready, built pumping control system and integrated EMC filter. With provision for external reset, 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.		

3.0 Other Requirements for Motor Controller Panel for Set 1 only

1. Enclosure, Free Standing, IP55 ingress protection, gasketed 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, dinrail 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 level relay probe.

4.0 TERMS AND CONDITIONS

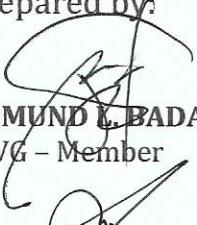
- 1.) The winning bidder is required to submit actual documents (manuals, data sheets, manufacturer's test results, name plate specifications, single line diagram and etc.) of the units.
- 2.) That during the installation and commissioning of the unit/units, the winning bidder shall be required to send a technician responsible of commissioning the unit/units. All relevant and incidental cost (transportation, accommodation, allowances and etc.) in the commissioning of the equipment shall be shouldered by the winning bidder.
- 3.) Field testing shall be made once the unit is ready for operation and when both the GSCWD and winning bidder have finished their scopes of work on the installed unit. GSCWD engineers shall conduct field testing with the presence of winning bidder's representative. In case the unit/units failed to pass the

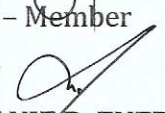


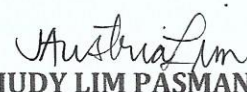
field testing, the winning bidder shall make necessary corrections / changes to replace the unit without cost to GSCWD.

- 4.) Two (2) sets of VFD Motor Controller shall be delivered within **Thirty (30)** calendar days upon receipt of Purchase Order (PO).
- 5.) The winning bidder shall be subjected to Liquidated Damages (LD) for each day of delay as provided by the IRR of RA 9184.
- 6.) That the winning bidder shall issue a warranty certificate of not less than one (1) year and the warranty shall start from the date of commissioning of the equipment.
- 7.) 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 PASMÁN
TWG - Member


MICHAEL C. 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