



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 #: 3-0823-013 DATE: 8/4/2023

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 8/8/2023, 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) : COMPLETE WITH ACCESSORIES. PLEASE SEE ATTACHED SPECIFICATIONS-ABC: PHP 981,000.00 ##### 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.: 0323-109

Requested by:

Price quoted by:

JOSE M. CASABIERO
MATERIAL PROCUREMENT
OFFICER A

Supplier

Date



TECHNICAL SPECIFICATION

TITLE: PURCHASE OF BRAND NEW VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER WITH COMPLETE ACCESSORIES

1.0 SCOPE OF CONTRACT

The scope shall be supply and delivery of brand new Variable Frequency Drive Motor Controller with complete accessories to General Santos City Water District (GSCWD).

Variable Frequency Drive Motor Controller Operating Requirement

Particulars	Requirement	Statement of Compliance
Product or Component Type	Variable Frequency Drive	
VFD Rated Hp	150Hp	
AC Voltage Range	380v - 500v	
Voltage % Tolerance	+10% -10%	
Supply Number Of Phases	3 phases	
Prospective line Isc (kAIC rating)	50 kA	
Maximum Transient Current for 60 s	232A	
Maximum Inrush Current	325A	
Nominal Current	211A	
Acceleration-Deceleration Ramps	0.01 - 9999s	
Speed Output Frequency	0.1 - 599Hz	
Enclosure Rating	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.

5.1 Other Motor Controller Operating Requirements

Item No.	Requirements	Statement of Compliance
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, 300Amp, 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. (Two (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.	



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10	Liquid Level relay, high and low for well application and reservoir water level, stop at full tank and auto run at low water level. 220Vac control voltage. Must be wired interlock to the system and terminated to terminal block. (2 pcs) Complete with level relay probe.	
11	Control Panel must have installed GSM SMS Alarm and Controller Unit with one USB port, 2 relay Output, and 8 Digital Input. All digital input and relay output must be wired and terminated to terminal block.	

6.0 TERMS AND CONDITIONS

Item No.	Requirements	Statement of Compliance
1	The scope of work shall be supply, delivery and commissioning of brand new Variable Frequency Drive Motor Controller with complete accessories to General Santos City Water District (GSCWD).	
2	All bidder is required to submit and include documents but not limited to manuals, data sheets, and Manufacturers Certificate in there bidding documents.	
3	The winning bidder is required to submit actual documents but not limited to manuals, data sheets, manufacturer's Certificate (include serial number & model number/type), name plate specifications of the unit.	
4	That during the installation and commissioning of the units, the winning bidder shall be required to send a technician responsible of Variable Frequency Drive set up and splicing the cables with the motor cable leads and commissioning thereafter with the presence of GSCWD technical representatives. All relevant and incidental costs (transportation, accommodation, allowances and etc.) during commissioning of the equipment shall be shouldered by the winning bidder.	



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5	The winning bidder shall deliver the units within Fifteen (15) calendar days upon receipt of Purchase Order (PO).	
6	The winning bidder shall be subjected to Liquidated Damages (LD) for each day of delay as provided by the IRR of RA 9184.	
7	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.	
8	That the winning bidder shall have an available qualified and trained technicians 24/7 in case of equipment failure.	

Prepared by/


EDMUND L. BADAL, REE
TWG - Member


MICHAEL G. GABALES, REE
TWG HEAD

Approval:


ROGELIO A. BESANA JR. C.E./RMP
General Manager A