



- Earth Fault (Option)

2.4 **WARNING FUNCTION**

- Alternator Under / Over Voltage
- Alternator Under/ Over Frequency
- Mains Under / Over Voltage
- Mains Under/ Over Frequency
- Under / Over Speed
- Low Oil Pressure Pre-Alarm
- High Engine Temperature Pre-Alarm
- High/Low Battery Voltage
- Over-current
- Periodic maintenance

3.0 **TERMS AND CONDITIONS**

- 3.1 The scope of work shall include installation of module to Generator Set unit.
- 3.2 The supplier shall provide one (1) year warranty to GSCWD for the control module and it's against factory defect.
- 3.3 The supplier shall have at least five (5) year record in supplying equivalent part.
- 3.4 The supplier shall provide qualified or trained technicians to conduct installation and commissioning.
- 3.5 Commissioning shall be 3 hours operation with load and the owner GSCWD shall shoulder the fuel and other consumables.
- 3.6 The supplier shall have its own service center and technicians must be available on call 24/7 and a commitment of 48 hours response time, in case of breakdown of the unit during the warranty period.
- 3.7 The winning bidder shall provide technical brochure, electrical wiring and control diagram and technical orientation to General Santos City Water District equipment personnel.

Prepared by:


DLUANIE R. ENERIO, ME
WUDO-A

Approved by:


ROGELIO A. BESANA JR. C.E./RMP
Manager-A – Engineering & Const. Dept



TECHNICAL SPECIFICATIONS

TITLE: PURCHASE OF ONE (1) UNIT BRAND NEW CONTROL MODULE FOR 250KVA GENERATING SET

1.0 GENERAL SCOPE

The scope of work shall be supply, delivery, and commissioning of one (1) unit Brand New Control Module for 250KVA Generating Set to General Santos City Water District.

2.0 GENERAL SPECIFICATIONS

2.1 CONTROL MODULE FEATURES

Control System comprises of:

- Protection and control of a diesel engine.
- Three-phase AC voltage measuring circuit.
- Equipped with an LCD display presenting all values and alarms.
- Automatic engine start/stop.
- Engine protection.
- Breaker control.
- Generator protection.
- Digital governing and generator set protective functions.
- Single phasefull wave SCR (Silicon Controlled Rectifier) type regulator compatible with either shunt or PMG (Permanent Magnet Generator) systems.

2.2 STANDARD FUNCTION

- Engine Control
- Generator Monitoring
- Generator Protection
- Engine Monitoring
- Clear Text Display

2.3 SHUTDOWN FUNCTION

- Loss of Speed Signal
- Alternator Under / Over Voltage
- Alternator Under/ Over Frequency
- Mains Under / Over Voltage
- Mains Under/ Over Frequency
- Under / Over Speed
- Low Oil Pressure
- High Engine Temperature
- Phase Sequence Electrical (Option)



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 #: 3-0819-040 DATE: 8/16/2019

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 8/22/2019, Pls. furnish this office the following articles subject to the terms and conditions contained therein.

ITEM NO.	DESCRIPTION	QTY.	UNIT	UNIT PRICE
1	CONTROL MODULE (GENSET) : PLEASE SEE ATTACHED SPECIFICATION-ABC:PHP 75,000.00 ##### nothing follows #####	1	unit	P

Date of Delivery: _____
Price Validity : _____
Terms of Payment: _____

Place of Delivery: GSCWD Bodega

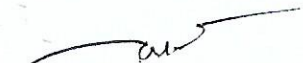
****No partial delivery allowed****

Note: 6% WITHHOLDING TAX DEDUCTION

PR NO.: 0819-005

Requested by:

Price quoted by:


Gerson R. Canaleño
MATERIAL PROCUREMENT
OFFICER A

Supplier

Date