



## Bid Notice Abstract

### Request for Quotation (RFQ)

**Reference Number** 10785304  
**Procuring Entity** MANGALDAN WATER DISTRICT  
**Title** SUPPLY, DELIVERY AND INSTALLATION OF ONE (1) UNIT BRAND NEW GENERATOR SET FOR MAASIN PUMPING STATION  
**Area of Delivery** Pangasinan

<b>Solicitation Number:</b> MAWADGOODS#4, S. 2024	<b>Status</b>	<b>Pending</b>
<b>Trade Agreement:</b> Implementing Rules and Regulations	<b>Associated Components</b>	1
<b>Procurement Mode:</b> Negotiated Procurement - Small Value Procurement (Sec. 53.9)	<b>Bid Supplements</b>	0
<b>Classification:</b> Goods	<b>Document Request List</b>	0
<b>Category:</b> Power Generation and Distribution Machinery	<b>Date Published</b>	24/04/2024
<b>Approved Budget for the Contract:</b> PHP 999,000.00	<b>Last Updated / Time</b>	23/04/2024 17:01 PM
<b>Delivery Period:</b> 30 Day/s	<b>Closing Date / Time</b>	30/04/2024 14:00 PM
<b>Client Agency:</b>		
<b>Contact Person:</b> 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 SUPPLY, DELIVERY AND INSTALLATION OF ONE (1) UNIT BRAND NEW GENERATOR SET FOR MAASIN PUMPING STATION

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 in three copies to be marked as "Original Copy", "Copy 1", and "Copy 2".
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. Authority of the Signatory to transact and enter into a contract with the

Mangaldan Water District

f. Warranty of two (2) years or 1,500 running hours (if awarded the contract)

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 April 30, 2024 at 2:00 P.M. only.

6. Quotation and required documents submitted after the deadline shall not be accepted by the BAC.

#### 7. SPECIFICATIONS

One (1) Unit Brand New Generator Set,  
One (1) Unit 150 Amperes Manual Transfer Switch  
One (1) Lot Delivery, Installation, and Electrical Materials

Brand New Jet Diesel Generating Set, Silent Type, 58.7kVA/47.0KW 3-phase output for standby application, 60hz, 1800 rpm, 0.80 power factor, 240 volts, 12 Volts/Negative Electrical System, 3 cylinders in-line, 4 cycle, turbocharged, water cooled, battery trickle charger and fitted with locally-fabricated soundproofing with sound pressure level of 85 dba @ 1m radius.

#### TECHNICAL SPECIFICATIONS

##### BRAND NEW DIESEL GENERATOR SET 58.7KVA/40KW STANDBY RATING

- Minimum 58.7kVA/47.0kW Standby Output Rating, 230 VAC, 60 Hertz, 1,800 RPM, 0.8 Power Factor Generator Set, Silent Type

- Engine and Alternator are directly coupled and mounted on a Baseframe made of Heavy Duty Fabricated Structural Steel with rubber type vibration isolators

- Minimum 87 liters Capacity Base Mounted Fuel Tank with Fuel Level Indicator

- Equipped with 12 VDC Tropical Battery and Cables, battery trickle charger and exhaust muffler

##### ENGINE SPECIFICATIONS with OEM Certificate

- Powered by Industrial Diesel Engine, 4 Stroke Cycle, Diesel Fed

- No. of Cylinders - 3/in-line maximum

- Rated speed - 1800 RPM

- Cubic Capacity, liters - 3.3 liters maximum

- Compression Ratio - 17.25:1.0 minimum

- Aspiration - Turbocharged

- Governing type - Mechanical/ ISO 8528 G2

- Bhp at 1800 rpm - 74.6 HP at Standby Rating minimum

- Fuel Consumption - 14.3 li/hr at 100% load Standby (Rating maximum)

- Bore and Stroke - 105 x 127 mm

- Electrical System - 12V/negative maximum

- Fuel Filter Type - Replaceable element

- Air Filter Type - Replaceable Element

- Water Pump Type - Centrifugal

- Oil Filter Type - Spin-on, Full-Flow

- Cooling System - Water Cooled

- Radiator Cooling Airflow - 1.17 m<sup>3</sup>/min. minimum

##### ALTERNATOR SPECIFICATIONS with OEM Certificate

- Capacity - 58.7kVA/47.0kW minimum

- Voltage - 230 VAC

- Frequency & Speed - 60 Hz/1800 RPM

- Exciter Type - Brushless, Self-excited

- Power factor - 0.8

- Insulation Grade - H

- Protection Grade - IP23

##### MTS SPECIFICATIONS

- Rating - 150 Amperes maximum

- Type - Breaker type

- Phase - Three (3) Phase

- Voltage - 230 VAC

- Enclosure - NEMA 1

- Auto/Manual Operation

- Pilot Lights

##### CONTROL SYSTEM SPECIFICATIONS with OEM Certificate

- Digital Control Panel, With Automatic Start/Stop Cranking Operation adaptable to ATS, Complete with Standard Instrumentations, Protections, Controls and LED Display in a heavy duty sheet steel enclosure

- User-friendly editing and configuration of parameters to suit individual customer's applications through front panel buttons or through PC with license-free software.

- Tier 4 engine support and IP65 rating for increased protection against water ingress

- DC SUPPLY:

- Continuous Voltage Rating - 8 V to 35 V Continuous

- Cranking Dropouts - Able to survive 0 V for 50 mS, providing supply was at least 10 V before dropout and supply recovers to 5 V. This is achieved without the need for internal batteries. LEDs and backlight will not be maintained during cranking.

- Maximum Operating Current - 178 mA at 12 V, 95 mA at 24 V
- Maximum Standby Current - 88 mA at 12 V, 50 mA at 24 V
- Charge Fail/Excitation Range - 0 V to 35 V

• GENERATOR:

- Voltage Range - 15 V - 333 V AC (L-N)
- Frequency Range - 3.5 Hz to 75 Hz

• MAGNETIC PICK UP:

- Voltage Range - +/- 0.5 V to 70 V
- Frequency Range - 10,000 Hz (max)

- AC Meterings - Volts, amps, frequency
- DC Meterings - Battery volts, Engine Hours Run, Water temperature, lube oil pressure, engine speed
- Protection - Fail to start, low oil pressure, high engine Temperature, low/high battery voltage, Battery Charger Failure, underspeed, overspeed, Loss of engine speed detection

OTHER REQUIREMENTS

- Weatherproof and Soundproof Enclosure, locally-fabricated acceptable, factory-fabricated OEM, Ga# 14 BI Plate complete with fire-retardant foam insulation, access doors with door locks and keys, control panel viewing glass and painted with epoxy primer and finished with lacquer paint. The enclosure is bolted type for easy access of servicing and the sound pressure level is at 85dBA at 1 meter radius.
- Engine and Alternator should be manufactured by an accredited member of Organization for Economic Co-operation and Development (OECD) Organization.
- Operation and Maintenance Manual, Standard Tools
- Training for Operation Personnel
- The manufacturer of the generator set and the local supplier must have been engaged in the same line of business for at least 35 years.
- Website address of manufacturer to verify/authenticate model of generator set offered, how many years the manufacturer existed and its country of origin.
- Red Ribbon Certificate of the Manufacturer.
- Bureau of Customs Certificate of the Supplier.
- ISO 9001:2015 Certificate of the Manufacturer of the Generator Set
- ISO 45001:2018 Certificate of the Manufacturer of the Generator Set
- ISO 14001:2015 Certificate of the Manufacturer of the Generator Set
- Dealership Certificate of the Manufacturer of the Generator Set.
- Certificate of after sales and service, warranty, availability of spare parts within the next five (5) years from the date of acceptance and availability of local technicians.
- Ninety (90) days – Delivery Period
- The OEM of the Generator Set must meet the following standards BS4999, BS5000, BS5514, IEC60034, VDE0530 and ISO 8528.
- The particular brand of the generator set to be offered must have at least 5 end users in the Philippine market with Attached Purchase Order.

WARRANTY: Two (2) years or 1500 running hours whichever comes first factory defect and faulty workmanship from the date of final acceptance/testing.

CONTRACT DURATION: 30 Calendar Days

F.O.B.: Mangaldan Water District

**Created by** Bernadeth D Dizon

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