

**Quartz Castle Inc. DBA GeneratorJoe**  
4016 Quartz Drive Santa Rosa, CA 95405  
Telephone:707 539-9003 Fax 707 539-5212  
generatorjoe.net, generatorjoe.com and transferswitchsaver.com  
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**Cage 1U5V7 - TIN/EIN #943026355 - Duns #054590203 - GSA GS-07F-5964R & GS-07F-0222U**  
**A small business owned by a service connected disabled veteran.**

Mr. Luke Alward  
Contracting Officer  
U.S. Army TACOM LCMC  
Warren, Michigan 48397-5000  
Solicitation W56HZV-08-R-G114  
15 kW Three Phase Enclosed Diesel Generator and Trailer

April 15, 2008

Dear Sir,

We hereby submit our bid for the Solicitation W56HZV-08-R-G114 for 15 kW Three Phase Enclosed Diesel Generator and Trailer.

We expressly agree to all the provisions, terms and conditions of the Solicitation.

Our submission includes all of the attachments required including the following:

Our bid includes all of the equipment and accessories specified in the specifications and all amendments to the specifications.

Attachment 01, 02, 03, 04, 05 please see Enclosure list at the bottom of this letter.

The vehicle to be provided under the contract is described as follows:

#### **15 kW Diesel Generator Set mounted on a Trailer**

##### **Summary of Equipment & Features**

**GeneratorJoe, Centurion "Y"™ Series, SKU GJCY-015D309SP, Model 15 CY3SP, Sound enclosed**  
Engine is Mitsubishi S4L2-Y261DG, three phase, diesel fueled, liquid cooled, 1500 RPM, electric start  
Rated at 15 kW (18.8 kVA) standby at 50 Hz. or 12.9 kW (16.1 kVA) prime at 50 Hz.  
Output voltage 230 volts Line to Neutral and 400 volts Line to Line (230/400)  
Fuel tank is 70 Gallon sub base which provides 65 hours of run time on full tank at 90% load.  
Operating temperature range from -13° to 122 °F (-25 °C to 50 °C).

Generator Sets on trailers to be provided includes the following:

- Sound shield 1.19 thick steel
- 1" sound attenuation with super barrier, 66 db(A) at 25 feet.
- painted in desert tan 686, color chip 33446 in accordance with FED-STD-595
- 90 degree air scoop with steel tool box below
- Critical muffler top out exhaust
- Center lifting hook for unit and trailer
- Heavy duty interlocking rubber mounts for generator set
- Heavy duty air cleaner for dusty environments

- Spare parts / and tools per spec: One (1) each: wheel lug wrench, wheel chocks (set), trailer jack kit, oil filter wrench, Phillips and standard screwdriver set (size 1-2-3). 6" adjustable wrench, 10" adjustable wrench, 8" utility slip joint pliers, combination wrench set and 3/8" drive socket set compatible with Metric fasteners used on the vehicle.
- Tool Box keyed the same as doors.(holds tools, jack, extra filters and belts). 12"H x 12"D x 34"W
- Three (3) each: Air filter, oil filter, primary fuel filters.
- One (1) each: Fan belt, alternator belt, upper and lower radiator hoses.
- Fuel tank (vented), 70 Gallon, 55 hours of run time on full tank at 90% load.
- Inline fuel filter exceeds specs.
- Water separator fuel filter exceeds specs.
- Automatic fuel transfer system
- Fuel tank level gauge on control panel
- Mitsubishi engine running at 1500 RPM
- Four stroke cycle, liquid cooled diesel engine.
- No engine emissions controls and no modifications
- Newage (BCI184) 50 degree generator (brushless) or equivalent
- High flow fan and 130 degree radiator for very hot conditions
- Slam latch door lock keyed alike (can be used with gloves), Padlock hole and padlocks.
- Heavy duty lift off door hinges
- 600-700 CCA dry cell battery in battery box
- Plug in block heater
- Unit manuals, labeling and plating in 3 languages (Arabic, Dari, English)
- Factory filled fluids
- Main line circuit breaker
- (4) WA-R4S plugs with a breaker for each
- Digital 400 Engine control panel with AC metering, backlit
- 12 volt system, negative ground.
- Generator shut downs for all required alarms.
- High voltage lug kit for wiring big amperage devices
- Emergency stop button located on the outside and tied in with the high voltage door.
- Output voltage automatically controlled steady state regulation not to exceed +/- 1.0% and no-load-to-full-load regulation not to exceed +/- 3.0%. Mechanically maintained.
- 5 year 5000 hour warranty

Trailer includes the following:

- Electric brakes and breakaway feature
- Manual parking brake
- Metal fenders and Hard mud flaps
- Single axle trailer rated for 3500 GVW
- Upgraded off road tires per spec
- Front and rear stabilizing jack
- 7 pin light connector SAE J560
- Turn signals, taillights and brake lights
- Lunette hitch and safety chains
- Spare tire and jack kit
- Trailer will meet DOT 4 (International Standard)

- 67" track width
- Ground clearance 12.5 inches to hub
- RFID tags mounted on trailer for inventory control

**Exceptions:**

- 1 **Section 12.2.2.** The generator set shall be vibration isolated.

The engine/alternator is vibration isolated. The equipment to be provided under the contract is constructed so that the generator/alternator assembly is mounted inside of the sound enclosure and the engine/alternator is mounted on isolators within the sound assembly. The entire unit is hard-mounted to the trailer and is attached via removable bolts so that the entire unit, including the fuel tank can be removed from the trailer as a unit.

- 2 **Section 13.6** Generator's fuel system shall be equipped with provisions (e.g. pipe or hose fittings with metallic caps or plugs, etc.) to receive fuel from external sources. Permanent labeling shall be located near the provisions and bilingual as required per paragraphs 1.6 and 1.7.

The equipment to be provided under this contract includes an automatic fuel transfer system. This system allows the generator to automatically pump when needed into the 100 gallon base tank from a secondary fuel source. The connection is a quick connect system with fittings. If only an outside fill cap is required the automatic fill system may be removed and a deduction of \$286.00 USD can be taken off the bid price per unit.

- 3 **Section 13.10** The engine lubrication system shall be equipped with and external oil cooler, spin on oil filter and oil drain extension with valve.

The equipment to be provided under the contract will not have an external oil cooler. The equipment is rated to operate at full load at 1800 RPM in 140 degree Fahrenheit ambient and the provided equipment will only be operated at 1500 RPM. Our field experience with this equipment operating at 1800 RPM indicates that an oil cooler is unnecessary equipment. In addition the engine and alternator is slightly over the contract minimum size therefore the engine will experience a lower operating temperature for the anticipated load. The spin on oil filter and oil drain extension will be provided.

**Small Business**

We certify that Quartz Castle Inc. DBA GeneratorJoe is 100% owned by Disabled Veteran and is a Small Business. Therefore we are a Disabled Veteran Owned Small Business and should receive the appropriate priority of award for this contract.

We certify that all subcontractors, suppliers and vendors used on this contract are located in the United States and are all small business concerns.

Please note that we are GSA Contractors and hold GSA Contracts GSA GS-07F-5964R & GS-07F-0222U. The items offered can be added to GS-07F-5964R if desired.

**Origin of Manufacturer**

The origin of Manufacturer for the equipment offered and all major components is the United States of America. Engine may be manufactured in United States of America. We buy and build American. Proudly Made in the USA.

**Compliance**

We are in compliance with standards listed in FAR 9.104.

Our company has strict requirements regarding bribes and kickbacks and will not engage in any illegal activity whatsoever.

We hope our proposal meets with your approval. If you have any questions about our offer please let us know. You may contact me personally.

Joseph Romano MBA JD

**GeneratorJoe**

**'www.generatorjoe.net**

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Pacific Time (CA) USA



**GeneratorJoe®**

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All quotes and sales are subject to the terms and conditions posted on [www.generatorjoe.net](http://www.generatorjoe.net).

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**Included in this document:**

Pictures of GenSets previously built

**Enclosures ATTACHED**

Bid Documents 1499

Signed Cover sheet for 1499 scanned (also inside 1499 Submission)

Attachment 01 Specifications

Attachment 02 Technical Information Questionnaire

Attachment 03 Solicitation Information Questionnaire

Attachment 04 Pricing Questionnaire

Attachment 05 Participation Questionnaire

Letter of Supply scanned

Newage Alternator brochure

Trailer brochure

Trailer drawing

Generator Set brochure GJCY-010D308SP

Mitsubishi Engine brochure

Mitsubishi Engine Application

Specs Mitsubishi engines

GeneratorJoe Warranty

GeneratorJoe

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