

ATTACHMENT A
SOLICITATION NO. 1050000053

This Solicitation is a Contract Document and is a request for proposal in connection with the Contract awarded by the Office of Management and Enterprise Services as more particularly described below. Any defined term used herein but not defined herein shall have the meaning ascribed in the General Terms or other Contract Document.

Purpose

The Contract is awarded on behalf of the Oklahoma Department of Corrections (ODOC). ODOC requires generators for the Oklahoma State Penitentiary located in McAlester Oklahoma. This contract will include the delivery, startup and training of all aspects of the generator located at Oklahoma State Penitentiary (OSP) in McAlester, Oklahoma.

1. Contract Term and Renewal Options

The Contract term, which begins on the effective date of the Contract, is one year with no options to renew the Contract.

2. Contract Specifications

Contract specifications are set forth below in Exhibit 1.

Exhibit 1

1. ODOC will remove the old generator and dispose of this equipment.
2. ODOC will set the new generator and connect all electrical.
3. Supplier shall be responsible to check all electrical connections to verify all are correct before generator start up is performed.
4. System Startup
Vendor to provide factory trained technician to perform startup and commissioning to activate warranty.
5. Source Quality Control
 - 5.1 Non-Conforming Work
To ensure that the equipment has been designed and built to the highest reliability and quality standards, the manufacturer and/or local representative shall be responsible for three separate tests: design prototype tests, final production tests, and site tests.
 - 1.2 Design Prototype Tests.
Components of the emergency system, such as the engine/generator set, transfer switch, and accessories, shall not be subjected to prototype tests because the tests are potentially damaging. Rather, similar design prototypes and preproduction models shall be subject to the following tests:
 - a. Maximum power (kW)
 - b. Maximum motor starting (kVA) at 35% instantaneous voltage dip.
 - c. Alternator temperature rise by embedded thermocouple and/or by resistance method per NEMA MG1-32.6.
 - d. Governor speed regulation under steady-state and transient conditions.
 - e. Voltage regulation and generator transient response.
 - f. Harmonic analysis, voltage waveform deviation, and telephone influence factor.
 - g. Three-phase short circuit tests.
 - h. Alternator cooling air flow.
 - i. Torsional analysis to verify that the generator set is free

of harmful torsional stresses.

j. Endurance testing.

1.3 Final Production Tests

Each generator set shall be tested under varying loads with guards and exhaust system in place.

Tests shall include:

1. Single-step load pickup
2. Safety shutdown device testing
3. Rated Power @ 0.8 PF
4. Maximum power

Upon request, a witness test, or a certified test record sent prior to shipment.

1.4 Site Tests

The manufacturer's distribution representative shall perform an installation check, startup, and building load test. The engineer, regular operators, and the maintenance staff shall be notified of the time and date of the site test. The tests shall include:

Fuel, lubricating oil, and antifreeze shall be checked for conformity to the manufacturer's recommendations, under the environmental conditions present and expected. Accessories that normally function while the set is standing by shall be checked prior to cranking the engine. These shall include: block heaters, battery chargers, alternator strip heaters, remote annunciators, etc. Generator set startup under test mode to check for exhaust leaks, path of exhaust gases outside the building, cooling air flow, movement during starting and stopping, vibration during operation, normal and emergency line-to-line voltage and frequency, and phase rotation. Automatic start by means of a simulated power outage to test remote-automatic starting, transfer of the load, and automatic shutdown. Prior to this test, all transfer switch timers shall be adjusted for proper system coordination. Engine coolant temperature, oil pressure, and battery charge level along with generator set voltage, amperes, and frequency shall be monitored throughout the test.

6. Closeout Activities

6.1 Demonstration and training shall be performed.