

# Notice of Bid

## Stationary Generator Installation

### SPECIFICATION SUMMARY:

- Coordinate and set stationary emergency stand by Industrial gaseous engine driven generator.
- Coordinate and connect existing LP fuel source to generator
- Coordinate and connect TX series transfer switch, 200 Amp 3 pole 120/Vac 3 phase, 60 HZ, 2 wire start circuit

### Recommended Specifications

“Specifications to meet or exceed the following”

### Installation

- Installation shall comply with applicable state and local codes. Install equipment in accordance with manufacturer’s instructions and instructions included in the listing or labeling of UL and listed products
- Contractor will reference manufacturer’s spec sheet as provided by the generator manufacturer to coordinate installation. Spec sheet will be provided
- Contractor shall supply all materials, equipment, and labor to complete installation
- Contractor will provide required regulator and associated hardware to coordinate and connect existing LP fuel source to generator
- Installation of equipment shall include furnishing and installing all interconnecting wiring between all equipment provided for the on-site power system.
- Conduits shall be secured. Breeches through exterior walls of building will be sealed weather tight. Each conduit shall be independent of the other and contain single source purpose. conduits include but are not limited to:
  1. for alarm and control wiring (Low Voltage)
  2. conduit for Battery charger / block heater circuit, (120V AC, 20 amps)
  3. conduit for power wires to ATS (200amps 3 phase)
  4. other
- Generator shall be installed on concrete housekeeping pad. Equipment shall be permanently fastened to the pad in accordance with manufacturer's instructions.
- All equipment shall be physically inspected for damage. Scratches and other installation damage shall be repaired prior to final system testing. Equipment shall be thoroughly cleaned to remove all dirt and construction debris prior to final testing of the system.

- Generator shall be initially started and operated by representatives of the generator manufacturer. Operation and function of generator shall follow.

#### FACTORY TESTS

- Generator set factory tests on the equipment shall be performed at rated load. Tests shall include a run at full load, maximum power, voltage regulation, transient and steady-state governing, single step load pickup, and function of safety shutdowns.

#### ON-SITE ACCEPTANCE TEST

- The complete installation shall be tested for compliance with the specification following completion of all site work. Testing shall be conducted by representatives of the manufacturer. The Engineer shall be notified in advance and shall have the option to witness the tests.
- Installation acceptance tests to be conducted on-site shall include a "cold start" test, a two hour full load test, and a one-step rated load pickup test in accordance with NFPA 110. Provide a resistive load bank and make temporary connections for full load test, if necessary.

#### TRAINING

- The equipment supplier shall provide training for the facility operating personnel covering operation and maintenance of the equipment provided. Training date shall be coordinated with the facility owner.