**\*\* This bid has been approved as a proprietary purchase, and only the brands and models specified will be considered. \*\***

**Scope of Work:**

The Contractor shall furnish all equipment, tools, and labor to install five new generators at three locations for the Department of Corrections (DOC).

**Site Visit Contact:**

Will Bunch

225-634-6101

**Location #1:**

Gym

5568 highway 68

Jackson, LA 70748

All generator installation shall include:

1. Electrical installation of new generator.
2. Installation of surge protector on transfer switch.

**Specifications:**

1. The Contractor shall remove and replace generator.
2. The Contractor may have to add on to existing concrete slab.
3. The Contractor shall install new wiring and necessary conduit from existing automatic transfer switch to generator.
4. The Contractor shall provide 1 ½” gas stubs and install gas piping and regulator at the concrete slab.

**Generator Specifications:**

Brand: Kohler

Size: 150Kw

Voltage: 120/208v 60HZ 3 Phase

Alternator: 4 pole rotating field, brushless permanent magnet, 12 lead reconnect-able

Insulation NEMA MG1 Class H.

Voltage regulation no load to full load - +- .05%

Unbalanced load capability- must be 100% of rated standby current

Alternator Size: 150kw @277/480V 3Ph 60Hz

Engine: PSI 8.8L Turbocharged and Charge Cooled V-8

Rated RPM: 1800

Max Power @ rated RPM- 259HP

Fuel Type - Natural Gas

Fuel Consumption- must not exceed 1965 (CFH /FT3/HR) @ 100% load

Enclosure: Steel Sound Enclosure w/ vertical air inlet and outlet discharge

Block heater: Standard 120v 1800 watt

Battery charger: 6 amp 12vdc

A minimum of 5 years warranty on equipment

**Location #2:**

Highway 10 Residence

4981 Highway 10

Jackson, LA 70748

**Specifications:**

1. The Contractor shall install new reinforced 6” concrete slab for generator.
2. The Contractor shall install new automatic transfer switch on building.
3. Plumbing requirement: The Contractor shall provide new low pressure regulator for house and dedicated low pressure regulator for generator once installation of transfer switch and generator are completed.

**Generator Specifications:**

Brand: Kohler

Size: 26kw

Voltage: 120/240 60HZ 1 Phase

Alternator: 2 pole rotating field, 4 Lead

Insulation: NEMA MG1-1.66 Class H Temp Rise 130C

Voltage regulation: No-Load to Full-Load RMS +- 1.0%

Unbalanced load capability- must be 100% of rated standby current

Alternator Size: 26kw @ 120/240v 1Ph 60Hz

**Engine Specifications:**

Engine: Kohler CH1006

Rated RPM: 3600

Max Power @ 36.4 HP

Fuel Type- Natural Gas or Liquid Propane

Fuel Consumption- must not exceed 290 (CFH /FT3/HR) @ 100% load

Enclosure: Aluminum Sound

Battery charger: Built-in Controller

A minimum of 5 years warranty on equipment

**Automatic Transfer Switch:**

Brand: Kohler

Series: RXT

Size: 200AMP

Voltage: 120/240v 60HZ 1 Phase

Quantity of switched pole: 2

Neutral Configuration: Solid

Service Rated: SERVICE RATED (with Main Breaker)

Enclosure: NEMA 3R UL Type 3R

**Location #3**

Compound 4 Residence

2500 Creekfield Road

Jackson, LA 70748

**Specifications:**

1. The Contractor shall install new reinforced 6” concrete slab for generator.
2. The Contractor shall install new service and new automatic transfer switch on building.
3. Plumbing requirement: The Contractor shall provide a new low pressure regulator for house and dedicated low pressure regulator for generator once installation of transfer switch and generator are completed.

**Generator Specifications:**

Brand: Kohler

Size: 26kw

Voltage: 120/240 60HZ 1 Phase

Alternator: 2 Pole rotating field, 4 Lead

Insulation: NEMA MG1-1.66 Class H Temp Rise 130C

Voltage regulation: No-Load to Full-Load RMS +- 1.0%

Unbalanced load capability- must be 100% of rated standby current.

Alternator Size: 26kw @ 120/240v 1Ph 60Hz

**Engine Specifications:**

Engine: Kohler CH1006

Rated RPM: 3600

Max Power @ 36.4 HP

Fuel Type- Natural Gas or Liquid Propane

Fuel Consumption- must not exceed 290 (CFH /FT3/HR) @ 100% load

Enclosure: Aluminum Sound

Battery charger: Built-in Controller

A minimum of 5 years warranty on equipment

**Automatic Transfer Switch:**

Brand: Kohler

Series: RXT

Size: 200AMP

Voltage: 120/240v 60HZ 1Phase

Quantity of switched Pole: 2

Neutral Configuration: Solid

Service Rated: SERVICE RATED (with Main Breaker

Enclosure: NEMA 3R UL Type 3R

**General Terms/Conditions:**

* Include factory start up and demonstration to be performed with Maintenance Team on site. (May require a separate visit.)
* The Contractor shall perform power fail test and load test for 1 hour to insure proper operation of generator and transfer switch.
* Only copper wiring is approved for this project. (Includes wiring for transfer switch, generator, transformer, and control wiring)
* All work must be completed during business hours in one business day or rental generator will need to be installed to back up facility until work is completed.
* All plumbing, electrical, and starting battery for each generator shall be included by the Contractor.
* All equipment removed from site will need to delivered and off loaded at DCI Maintenance yard by the Contractor.
* All equipment shall have a minimum of 5 years warranty.