Bartow County Hazard Mitigation: Water Pump Station Generator Backup Project

Addendum #3 to Invitation to Bid

BID ISSUE DATE: JULY 25, 2017
ADDENDUM #1 ISSUE DATE: AUGUST 7, 2017
ADDENDUM #2 ISSUE DATE: AUGUST 15, 2017
ADDENDUM #3 ISSUE DATE: AUGUST 18, 2017
BID DUE: AUGUST 29, 2017
BY 2:00 P.M. EASTERN STANDARD TIME

ADDENDUM #3 will NOT impact the Bid submission date:
Bids should be submitted to the Bartow County Commissioner’s Office, located in the Frank Moore Administration Building, 135 W. Cherokee Avenue, Suite 251, Cartersville, Georgia 30120. Competitive sealed bids are due to this location no later than 2:00 p.m. on August 29, 2017.

Please refer to “Addendum # 3: Bartow County Hazard Mitigation: Water Pump Station Generator Backup Project” for required Remote Annunciator Panel, Concrete and Skid Bases, Fuel Tank and Contract Time Information as follows:

REMOTE ANNUNCIATOR PANEL
Remote Annunciator Panel: Provide a remote annunciator panel to be customized per owner’s needs. The remote annunciator panel should, at a minimum, signal on the occurrence of any events listed below:

1. Engine high-temperature shutdown
2. Lube-oil low-pressure shutdown
3. Overspeed shutdown
4. Remote emergency-stop shutdown
5. Engine high-temperature warning
6. Lube-oil low-pressure warning
7. Fuel tank low level
8. Overcrank shutdown
9. Coolant low-temperature alarm
10. Control switch not in auto position
11. Battery-charger malfunction alarm
12. Battery low-voltage alarm

CONCRETE AND SKID BASES:
Contractor will provide all labor and materials to complete the installation of the generators including installation of concrete bases and skids. The generator unit skid shall have adequate strength and rigidity to maintain alignment of mounted components without depending on a concrete foundation.
CONCRETE BASES Contractors should install a concrete base of dimensions required for the generator set. Concrete bases should be a minimum of 6” thick. Owner prefers 8”-10” thickness. Contractor should comply with packaged engine generator manufacturers’ written installation and alignment instructions and with the standard for emergency and standby power systems, NFPA 110. The generator set shall be installed on a concrete base. Contractor may support generator with set mounting feet on rectangular metal blocks and shims or on metal wedges having small taper, at points near foundation. Gap between base and foundation must be grouted. Contractor should adjust metal supports or wedges until generator is level. Contractor should coordinate size and location of concrete bases with Bartow County Water Department. Contractor should cast anchor-bolt inserts into bases. Contractor should seek approval for alterations to concrete bases, skid bases, reinforcements and formworks from the Bartow County Water Department.

SKID BASES should be steel, with vibration isolators between engine generator and base, or similar. Skid is free from sharp edges and corners. Lifting attachments should be arranged to facilitate lifting with slings without damaging any components.

FUEL TANK
The 24-hour fuel tank shall be provided with a fuel supply system with the following minimum features:

1. The fuel tank shall be a dual wall tank skid mounted underneath the generator. The tank capacity shall be adequate to supply fuel to the engine for an uninterrupted period of 24-hours operation at 100 percent of rated power output of the engine generator system without being refilled.
2. The fuel tank shall be provided with a low-level alarm sensor with contacts wired to the alarm terminals in the generator control panel.
3. The fuel tank shall be provided with a visual tank level indicator.
4. The fuel tank shall be provided with a vandal-resistant fill cap.
5. Each tank should be a sub-base diesel tank, 535 gallons, 24 hours, Steel, Double wall, UL142 or similar. Contractors may substitute approved equal-quality brands or models. The generator set should be mounted on tank and plumbed, with an electric conduit stub-up area through tank.

The 12-hour fuel tank shall be provided with a fuel supply system with the following minimum features:

1. The fuel tank shall be a dual wall portable tank. The tank capacity shall be adequate to supply fuel to the engine for an uninterrupted period of 12 hours operation at 100 percent of rated power output of the engine generator system without being refilled.
2. The fuel tank shall be provided with a low-level alarm sensor with contacts wired to the alarm terminals in the generator control panel.
3. The fuel tank shall be provided with a visual tank level indicator.
4. The fuel tank shall be provided with a vandal-resistant fill cap.
5. Contractors may substitute approved equal-quality brands or models. The 12-hour tank should be portable.

CONTRACT TIME:
Bidders should submit proposed construction schedule including any potential delays. Proposed Contract Time should include estimated start date and end date. Bidders should incorporate drawing review period into Contract Time and construction schedule so that work is not delayed.

Following Notice of Contract Award:

1. The Owner and Contractor will meet to discuss in detail those items that pertain to installation that will affect construction, engineering, planning, shipping sequence, shipping schedule and other coordination items.
2. Contractor should coordinate components factory performance tests and field performance test with the Owner and Owner's Representative.
3. Contractor should provide a minimum of two days of operating instructions to the Owner's personnel after Owner has received and reviewed manuals.
4. If applicable, the contractor will be responsible for the storage or equipment until the owner schedules a date and time for delivery. Material and equipment should be manufactured and delivered to the site sufficiently ahead of schedule so as not to delay the completion of the work.

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