



**DEPARTMENT OF PURCHASING & CONTRACT
COMPLIANCE**

**Winner 2000- 2006 Achievement of Excellence in
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Jerome Noble, Director

July 9, 2007

**RE: 07ITB54805K-DJ
The Installation of Emergency/Standby Engine Generators at
Four Fulton County Senior Multipurpose Complexes**

Dear Proposers:

Attached is one (1) copy of Addendum 2, hereby made a part of the above referenced Invitation To Bid (ITB).

Except as provided herein, all terms and conditions in the ITB referenced above remain unchanged and in full force and effect.

Sincerely,

Donna Jenkins

Donna Jenkins
Assistant Purchasing Agent

This Addendum forms a part of the contract documents and **modifies** the original ITB documents as noted below:

Drawings

Revision No.1 to Drawings E2, E3, E4, E5, & E6, dated 7-3-2007. A copy of the revised drawings may be obtained from Imaging Technologies 640 10th Street NW Atlanta, GA 30318 404-873-5911.

Specifications

Section 16231, Paragraph 2.2 GENERATOR SET is revised to read:

- "A. For the Benson & Bowden Centers:
1. The generators shall provide 350 KW, 437.5 KVA, when operating at 277/480 volts, 0.8 power factor. The generator sets shall be capable of this rating while operating in an ambient condition of 104°F (40°C) and 4921 feet above sea level.
 2. The generator set shall be capable of starting motor loads of 1350 KVA inrush, with a maximum voltage dip of 35%.
- B. For the Darnell Center:
1. The generator shall provide 400 KW, 500 KVA, when operating at 277/480 volts, 0.8 power factor. The generator set shall be capable of this rating while operating in an ambient condition of 104°F (40°C) and 4921 feet above sea level.
 3. The generator set shall be capable of starting motor loads of 1350 KVA inrush, with a maximum voltage dip of 35%.

C. For the Mills Center:

1. The generator shall provide 800 KW, 1000 KVA, when operating at 277/480 volts, 0.8 power factor. The generator set shall be capable of this rating while operating in an ambient condition of 104°F (40°C) and 4921 feet above sea level.
2. The generator set shall be capable of starting motor loads of 3150 KVA inrush, with a maximum voltage dip of 35%.

D. Vibration isolators shall be installed between the bases and the pads.”

Section 16231, Sub-paragraph 2.3C, is revised to read:

“The engines for the 350 KW & 400 KW generators shall have 6 cylinders, and the engine for the 800 KW generator shall have 12 cylinders. All engines shall be liquid-cooled by a unit-mounted radiator, blower fan, water pump, and thermostats. The system shall properly cool the engine with up to 0.5 inches static pressure on the fan in an ambient temperature up to 122° / 50° C.”

Section 16231, Sub-paragraph 2.7A, is revised to read:

“Each generator set shall include a molded case line circuit breaker. Ratings shall be 600 amperes for the Bowden, Benson, & Darnell Centers, and 1200 amperes for the Mills Center.”

Section 16231, Sub-paragraph 2.9A, is revised to read:

“Each generator shall include a sub-base fuel tank with sufficient fuel capacity to run the generator at 100% load for 24 hours.”

Section 16415, Sub-paragraph 2.3A1a, is revised to read:

“1200 ampere current rating”.

Section 16415, Sub-paragraph 2.3A2, is revised to read:

"The ATS shall be furnished in a NEMA 3R enclosure, as shown on the drawings."

Section 16415, Sub-paragraph 2.3B1a, is revised to read:

"1600 ampere current rating".

Section 16415, Sub-paragraph 2.3B2, is revised to read:

"The Darnell ATS shall be furnished in a NEMA 1 enclosure. The Mills ATS shall be furnished in a NEMA 3R enclosure."

Question 1: Continuous power 24/7 with zero downtime. This type has been used for operating rooms and computer centers. The continuous power comes from large batteries, which power the building. When those batteries start to run down, the generator starts up and re-charges the batteries. This type of power backup is used more today because there are more computers out there, and nobody likes to lose a long unsaved Word document. Backup power with 15-second (average) delay. When the "street" power fails, the backup generator provides the building's power. The generator's startup cycle takes about 15 seconds. This backup system also uses a transfer panel, which first senses that there is no street power, disconnects the street power, connects the generator power, and tells the generator to start. These 15 seconds is important, because turning on a generator when the street power is still connected will quickly kill a lineman who happens to be on the pole.

Answer: Generators provide backup power only.

Question 2: ITB Section 00100,M.1.b, Page I-4: This item identifies the requirement that the bidder "Is properly licensed to perform this type of work in Fulton County. Bidders must have a utility contractor's license to perform this work. O.C. G. A. Section 43-14-8.3 (h). " However, Chapter 43, Title 14, Section 17 defines a utility system as "Any system at least five feet underground, when installed or accessed by trenching, open cut, cut and cover, or other similar construction methods which install or access the system from the ground surface, including, but not limited to, gas distribution systems, electrical

distribution systems, communication systems, water supply systems, and sanitary sewerage and drainage systems;" During the site visit and based on our review of the solicitation package, we have identified no infrastructure related to this project that meets this definition. Can the County identify which portions of the infrastructure meet the definition of a utility or clarify this requirement? Additionally, in the event that portions of the infrastructure meet the definition of a utility, may a firm use a subcontractor to perform those portions of the work and still be considered a "Responsible" bidder?

Answer: Project requires a properly Licensed Electrical Contractor.

Question 3: ITB Attachments A-F: These documents pertain to the use of M/FBE firms on a resultant contract; however no subcontracting goals are contained on the form or within the solicitation package. What are the goals for this contract? Additionally, with what entity (e.g. GDOT, GMSDC) must a vendor be registered to be considered an M/FBE firm for this solicitation. Are additional points awarded to firms that include M/FBE subcontracting in their offers?

ITB Section 16 231: Are any of the four sites, at which diesel generators are to be installed, within the RED Zone of the City of Atlanta? Within RED Zones, special provisions are required for the storage of diesel fuel above ground.

Answer: It is the contractor's responsibility to meet all local codes and requirements.

Question 4: Required Bid Submittal Checklist, Page I-11: Under Item 4, Form C is identified as "Contractor's Georgia Utility License Certification"; however, the document titled Form C in the solicitation package is "Certification Regarding Debarment". Can the County provide the missing form or modify the Bid Submittal Checklist?

Answer: Contractor's Georgia Utility License Certification is not required, therefore Form C "Certification Regarding Debarment is correct.

Question 5: 16231-4 2.2 A.1. "Benson and Bowden Centers 320kw, 400kva" drawing E3, note 8 states that the genset will be 650kva, single line shows the genset to be 400kva. Please clarify genset size required.

16231-5 2.2 A.2 "the generator set shall be capable of starting motor loads of 1800kva Inrush" This number is high and appears to be manufacturer specific. Is standard motor inrush of 1350 acceptable? Please advise if 1350 is acceptable.

16231-5 2.2 B.1 "Mills and Darnell Centers generator set shall be 800kw, 1000 kva" Drawing E4, note 8, states that the genset will be 500kva, single line shows the genset to be 1000kva. Please clarify genset size required.

16231-5 2.2 "B.2 "The generator set shall be capable of starting motor loads of 3500kva Inrush" This number is high and appears to be manufacturer specific. Is standard motor inrush of 3150 acceptable? Please advise if 3150 is acceptable.

16231-11 3.1 A thru N: The generator sets appear to be located outside of the buildings. The specifications are written as if the generators are installed inside of the buildings. Please clarify specifications.

16415-4 2.3 A.1.: Bowden and Benson Center ATS shall be 800 amps. Drawings E2 and E3, note 4, calls for 1200 amp transfer switches. Please clarify ATS ampacity.

16415-4 2.3 B.1: Mills and Darnell Center ATS shall be 1200 amps. Drawings E4 and E5, note 4, calls for 1600 amp transfer switches. Please clarify ATS ampacity.

Answer: Reference the revised drawings and specification of this addendum.

ACKNOWLEDGEMENT OF ADDENDUM NO. 2

The undersigned bidder acknowledges receipt of this addendum by returning one (1) copy of this form with the bid package to the Department of Purchasing & Contract Compliance, Fulton County Public Safety Building, 130 Peachtree Street, Suite 1168, Atlanta, Georgia 30335 by the ITB due date and time **Monday, July 30, 2007, 11:00 A.M.**

This is to acknowledge receipt of Addendum No.2, _____ day of _____, 2007.

Legal Name of Bidder

Signature of Authorized Representative

Title