

## RFP 150659/ME - ADDENDUM 2

RFP Deadline: **October 24, 2017** at **2:00 PM** (Local Time)

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RFP Number: **150659/ME**

Date: **October 13, 2017**

### RETURN PROPOSALS AS SHOWN BELOW

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Seven (7) Copies

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The University of Texas MD Anderson Cancer Center  
Attn: Mary Mueller  
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THIS RFP ADDENDUM IS A FURTHERANCE OF A SOLICITATION FOR PROPOSALS  
AND IS NOT A CONTRACT OR OFFER TO CONTRACT.

### CRB Parallel Gear and Generators

1. RFI Questions and Answers are attached.
2. Construction Document Addenda posted as follows:  
  
CD Addendum 1 dated May 19, 2017  
CD Addendum 2 dated August 2, 2017  
CD Addendum 3 dated October 12, 2017
3. Bid Due Date has been extended to **October 24, 2017 at 2:00 PM.**

Mary Mueller (Sourcing Specialist)

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## **RFI QUESTIONS AND ANSWERS**

**CRB Parallel Gear and Generators**  
**Project No. FPDC-150659**  
**RFP No. 150659/ME**

**RFP Addendum 2, October 13, 2017**

### **RFI No. 1 – 12 Questions**

**Question 1:** Do you have dimensions and weights of the new radiators?  
Will modifications need to be made to fit back in the existing support structure?

**Answer 1:** The new radiators are to be furnished by the contractor, and the footprint of the new radiators is required (per schedule notes on sheet M-001) to match that of the existing radiators.

**Question 2:** Please confirm that ACCU 4-1 (on the roof) will be removed, and FCU-1 will connect to ACCU 4-2 for temp air, until the new ahu is installed. Then FCU-1 is removed and the ductwork connected to the new AHU on the first floor.

**Answer 2:** ACCU 4-1 shown on sheet M-101 is to be removed.

**Question 3:** There are no sizes for the exhaust pipe, muffler, etc. Do you have the sizes?

**Answer 3:** The new items shall match the size of the existing. Field determines the size. Estimated size is 16-inch.

**Question 4:** Does any part of the HVAC have to be completed before any of the generator work? Or can it happen anytime while the other work is taking place?

**Answer 4:** The HVAC work is not required to be completed before the generator work.

**Question 5:** Are we to reuse existing exhaust thimbles through the roof?

**Answer 5:** Yes.

**Question 6:** Do you know why the existing exhaust piping is being replaced?

**Answer 6:** Yes.

**Question 7:** The radiators do not have a manufacturer listed in the schedule. Are they made by the same company as the fans? Since the fans are separate from the radiators in the schedule, are they shipped separate?

**Answer 7:** The fans are located inside the generator enclosures as noted in keyed note 6/sheet M-301. The radiators are located on the roof.

**Question 8:** Is the mechanical contractor responsible for assembly of the fans to the radiators?

**Answer 8:** No, the radiator fans should be factory installed.

**Question 9:** Comment: The 18000MBH (300,000Btu/min) for the fuel cooler seems incredibly high. Can you get the target fuel out of the cooler temp?

**Answer 9:** The schedule is intended to indicate 18 MBH (300 Btu/min). Refer to revised fuel cooler schedule.

**Question 10:** What type of coolant and what percentage will be used?

**Answer 10:** This should match the existing coolant and percentage; the basis of the design is 50/50 ethylene glycol.

**Question 11:** Sheet E018 indicates that we are to monitor (4) dry contacts in 45 automatic transfer switches. Are these contacts all existing? If they are not existing and we have to add them will you provide the manufacturer and catalog number of each ATS?

**Answer 11:** New, See Keyed Note 1 on E601.

**Question 12:** It appears that we will have to install conduit and wire between the 45 automatic transfer switches referenced in #11 above so we will have to know the distance between them and their locations. Please provide a site plan showing their locations.

**Answer 12:** All ATSS are shown in the documents.

### **RFI No. 2 – 2 Questions**

**Question 13:** In PDC-R2A, is a new 800AF/400AT LSIG Breaker required?

**Answer 13:** Yes per General Note new work is shown bold.

**Question 14:** Specifications do not identify specific testing methods for generator startup. It is recommended to use building power for generator startup testing. Please verify that this method is acceptable.

**Answer 14:** There is an existing load bank on the roof connected to the system that can be used coordinate with Owner. Follow NFPA 110 guidelines.

### **RFI No. 3 – 6 Questions**

**Question 15:** Will the Test & Balance be carried by the Mechanical?

**Answer 15:** Test Adjust and Balance (TAB) Services will be the responsibility of the Owner.

**Question 16:** Will there be after hours / overtime work required since the project will be phased? Or will this project be done during normal business hours?

**Answer 16:** Normal business hours are allowed. After hours and any overtime work will need to be coordinated when generators are scheduled to run due to exhaust. After hours should only be considered for any specific days that may require heavy duty work activities that may lead to loud noise and strong vibrations.

**Question 17:** Will the existing support structure for the radiator be removed along with the radiator? We assume the entire structure along with the radiator will be removed and replaced with new galvanized structure per M-001 Note #6 on radiator schedule. Also, if the structure is to be replaced who will provide? Please advise.

**Answer 17:** The support structure is integral to the roof-top radiators. The new radiators will be supported by the existing roof curbs.

**Question 18:** There is no lighting protection scope noted on the construction drawings. Please advise if this will be required.

**Answer 18:** Only to the extent required to bond to new equipment.

**Question 19:** Will the Owner provide a staging/lay down area to store the new radiators / equipment?

**Answer 19:** No.

**Question 20:** Will the Owner be providing street closure permits and coordination from TMC?

**Answer 20:** Permits are coordinated by contractor and MDA is copied in any correspondence. Permits are required by TMC if two lanes are being affected, otherwise if only one lane is affected, then TMC requires only a notification.

#### **RFI No. 4 – 19 Questions**

**Question 21:** Please confirm there is no asbestos or hazardous materials within the area of work.

**Answer 21:** Per EH&S, there is no asbestos in the CRB Building. The existence of hazardous materials cannot be confirmed at this time.

**Question 22:** Please confirm a full time, dedicated superintendent will be required for the duration of the project.

**Answer 22:** Yes.

**Question 23:** Please clarify the working hours for the CRB and adjacent occupied facilities. During what time frame is noisy work and disruptions acceptable?

- a. Please clarify if these are the same hours for the areas within Alkek with restricted access.

**Answer 23:** Assume normal staff working hours in CRB are between 6 AM and 5 PM. Plan to schedule any significant noise and disruption work overnight. Since Alkek is a patient building, it is assumed that this building has 24/7 occupancy. As such, work in this building will require careful planning and coordination with Project & Clinical Management Teams.

**Question 24:** Please clarify the time frames and location allowed for deliveries.

**Answer 24:** Time Frame: Anytime. Location: Specific details regarding materials being delivered are needed in order to provide an accurate response.

**Question 25:** During the pre-bid it was mentioned that all noisy work will be required to be after hours due to adjacent research spaces. Please clarify if this applies to the work at the generator room and on the roof at the radiators, as they are separated from the research areas by additional mechanical space.

**Answer 25:** Work can be in the day-time as long as there are no significant work activities that cause loud noise and/or strong vibration down the structure of the building.

**Question 26:** Please clarify a location for the contractor to place a dumpster for this project. If not, can the Owner's existing dumpsters be utilized?

**Answer 26:** BSRB alley. At the moment there is no convenient Owner provided dumpster near this working area.

**Question 27:** During the pre-bid it was mentioned there will be 30 days' notice required for all shut-downs. Please confirm or clarify which shut-downs this will be required.

**Answer 27:** All MEP related shutdown work requires 30 days' notice.

**Question 28:** Please confirm this project is not to be included in MDACC's OCIP. Spec Section 01 35 23 is an OCIP Project Safety specification, however OCIP is not shown to be required anywhere else in the specs.

**Answer 28:** Owner will NOT implement Owner Controlled Insurance Program (OCIP) for this project.

**Question 29:** Spec Section 01 35 23 Project Safety (OICP), Part 2.1 requires a full time dedicated Project Safety Coordinator. Please clarify if this will be required for a project of this size.

a. If required, can the full time PSC also be the project superintendent?

**Answer 29:** OCIP does not apply to this project. A full time dedicated Project Safety Coordinator is not a requirement for this project.

**Question 30:** Please confirm the responsible party for the following systems is correct:

- a. Test & Balance: Owner
- b. Commissioning Agent: Owner
- c. Telecom/Data: Contractor
- d. Security: Contractor

**Answer 30:** Test Adjust and Balance (TAB) and Commissioning Services will be the responsibility of the Owner. However, Certification and Commissioning of Engine overhaul is the responsibility of the General Contractor and their Subcontractor. Telecom/Data, and Security will be the responsibility of the General Contractor.

**Question 31:** During the pre-bid it was mentioned the new security cameras will not be tied in to the UTPD system. Please clarify if these cameras will be associated with the Milestone system, and if so, will MDA be responsible for the programming?

**Answer 31:** We are not familiar with the Milestone system. Again, cameras are stand alone; see plans.

**Question 32:** Please clarify the extent of the testing/commissioning to be required for each generator. Commissioning requirements within the Electrical

Specifications appear to be geared towards new installations, while the rebuilt engine in the existing generator may not require all the same testing.

**Answer 32:** Please refer to 100% Construction Documents Project Manual and Drawings. Note: Engine rebuild commissioning will be the responsibility of the General Contractor and associated Subcontractor.

**Question 33:** Please clarify if it is acceptable to use building power for the generator start up testing (recommended). The specifications do not identify specific testing methods.

**Answer 33:** Use existing load bank connected to the system.

**Question 34:** Please provide specifications or manufacturer's model numbers for the new radiators RAD-G-1 through RAD-G-7.

**Answer 34:** The applicable specifications are in the schedule and notes on sheet M-001.

**Question 35:** Please provide the weight and overall dimensions of the new radiators for hoisting purposes.

**Answer 35:** This needs to be based on the radiators being furnished. The general contractor needs to coordinate this item.

**Question 36:** Please confirm the contractor will be able to use either of the streets to the north or south of the CRB for crane access, as long as regular traffic access through the street is maintained.

**Answer 36:** Assuming this is Bates Street, General Contractor can use Bates Street north and south of the alley that cuts through CRB if the appropriate permits or notifications are sent out to TMC.

**Question 37:** Sheet S2.01 – Please clarify if shop drawings and calculations will be required for the new steel.

**Answer 37:** Yes, they are required.



**Question 38:** Page 13 of the RFP indicates the relocation of the Fan Coil Unit is to be an Alternate. Sheet M-101, 201 & 301 indicate the FCU scope of work, but it is not shown as an Alternate, and there is no place on the bid form for this alternate. Please clarify if this is part of the Base Bid, or provide a revised Bid Form including this alternate.

**Answer 38:** Correction: Please disregard item on Page 13 of the RFP, Bullet number 6: “Relocate Fan Coil Unit (an Alternate Scope of Work for which proposing is required)”.

The air handling unit on the roof is not an alternate. The removal of the fan coil unit is associated with adding the air handling unit. The project scope does not involve relocating a fan coil unit.

**Question 39:** Sheet E013 – Please clarify if a new 800AF/400AT LSIG Breaker required in PDC-R2A (Note 1 is indicated on E012, but not E013).

**Answer 39:** Yes, per general note all new work shown bold is new.