



CITY OF HOUSTON

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June 7, 2011

Subject: Letter of Clarification to Invitation to Bid No. S50-C24019 to Remove, Recondition and Re-install Generators and Associated Equipment for the Public Works and Engineering Department

To: All Prospective Bidders:

This letter of Clarification is being issued for the following reasons:

- **To respond to questions posed by perspective bidders:**
- **The questions posed by perspective bidders and the responses thereto are as follows:**

1. Are we required to replace belts, hoses and fluids in all three generators as part of the overhaul?

Answer: The Contractor shall replace belts, hoses, batteries and change all fluids to insure generators are in proper working order at the time of installation. All replacement parts shall be per manufactures specifications.

2. We were told that the City of Houston will Claim Exemption on existing equipment. Reason we ask this is, that according to EPA Laws, we are told that when you move an existing generator to a new location that they must meet all the new and current EPA requirements, also, City of Houston has laws which pertain to noise. Specification say that we are responsible for meeting all local and state requirements, in order to do this we would most likely not be able to use these existing generators.

Answer: The City of Houston will qualify for the exemption for noise. The City of Houston noise ordinance exemption is, Ordinance, Sec 30-6: (c) and Emergency Work Sec-1 (i), (ii), (iii) and (iv). The City has received a verbal notice from the **Texa Commission on Evironmental Quality** (TCEQ) that the City will have to upgrade the generators to meet modern codes on emissions standards. The Contractor shall include in its bid the cost of the upgrades as well as the cost of replacement of the generators.

3. We need to know what the main breaker sizes are for all three locations, if more than one main, we will need those sizes as well?

Answer: Line Item No. 1, Facility Main 1000 Amp, Line Item No. 2, Facility Main 1600 Amp and Line Item No.3, Facility Main 800 Amp.

4. Is the load test required at a 2 hour or 4 hour test?

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Answer: The Contractor shall be required to perform a 4-hour load test to insure that the equipment will perform properly under normal emergency conditions.

5. New Vibration Isolators or Re-Use Old on the Onan 750?

Answer: The Contractor will reuse the old isolators unless they are found to have broken springs. If springs are broken then replace as needed.

6. Line item 1
Cummins Onan
Model: DFHA-3383623
Serial Number: K990023595
750KW, 277/480Volts/60Hz/3Phase/1800RPM

Acoustical Enclosure – Will specification be issued? Very important that we have either drawings, specs or both. Main reason is, not enough information on existing muffler weights to design new enclosure.

Answer: The Contractor shall provide the enclosure specification based on federal, state and City codes and support requirements for the exhaust system. The current exhausts are made by Melson, model #43380 and the weight of each unit is 225 lbs.

7. Line item 1
Cummins Onan
Model: DFHA-3383623
Serial Number: K990023595
750KW, 277/480Volts/60Hz/3Phase/1800RPM

Will drawings and specification be issued for concrete pads? Main issue is when installing new concrete pad over old concrete pad.

Answer: The Contractor shall refer to the Technical Specifications, Line Item #1, page #8, Section 1.1.4.6. The Contractor shall be responsible to provide, drawings for the concrete slabs by a licensed engineer, P. E. The drawings shall include the slab specifications and the contractor shall be required to receive prior approval from the City of Houston, Code Enforcement, Plan Review prior to installation.

8. Line item 2
STAMFORD NEWAGE AC GENERATOR
Type: MV734H6
Serial Number: W8430708
800KW, 2400Volts/60Hz/3Phase/1800RPM

Will the existing enclosure be acceptable, extent of reconditioning of this enclosure? Also, will this enclosure meet today's specifications?

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Answer: Refer to the City of Houston's noise ordinance exemption, Ordinance, Sec 30-6: (c) and Emergency Work Sec-1 (i), (ii), (iii) and (iv). The Contractor shall restore the existing enclosure to manufactures specification and ensure proper operations of all components.

9. Line item 2
STAMFORD NEWAGE AC GENERATOR
Type: MV734H6
Serial Number: W8430708
800KW, 2400Volts/60Hz/3Phase/1800RPM

This generator has not run for a long time, to what extent do we estimate overhaul? What if the engine doesn't run and needs extensive repair? This should be established before and dollars are spent on rebuild per specs.

Answer: The Contractor shall recondition the generator to normal manufactures specifications and ensure proper operations under emergency conditions per the scope of work.

10. Line item 2
STAMFORD NEWAGE AC GENERATOR
Type: MV734H6
Serial Number: W8430708
800KW, 2400Volts/60Hz/3Phase/1800RPM

ATS Sizing, can you please provide sizes? Also, specification for ATS? Same issue with transformer, could specs be provided along with size, rating, etc?

Answer: The Contractor shall provide all sizing, specifications of new equipment per work scope and have prior approval from the City of Houston, Code Enforcement, Plan Review.

11. Line item 3
STEWART & STEVENSON
Model: 16V92GDTAB750
Serial Number: 127683
750KW, 277/480Volts/60Hz/3Phase/1800RPM

Generator enclosure is in very poor condition, it may not make sense to restore, you may want to consider a new enclosure, also, this enclose does not meet today's standards and will be difficult to restore.

Answer: Refer to the City of Houston noise ordinance exemption, Ordinance, Sec 30-6: (c) and Emergency Work Sec-1 (i), (ii), (iii) and (iv). The Contractor shall restore the existing enclosure to manufactures specification and ensure proper operations of all components.

12. Line item 3
STEWART & STEVENSON
Model: 16V92GDTAB750

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Serial Number: 127683
750KW, 277/480Volts/60Hz/3Phase/1800RPM

In regards to items on east exterior wall, are they slated for removal?

Answer: No.

13. Line item 3
STEWART & STEVENSON
Model: 16V92GDTAB750
Serial Number: 127683
750KW, 277/480Volts/60Hz/3Phase/1800RPM

16" water line underground, will the City of Houston mark the location?

Answer: The Contractor shall call 811 and comply with Texas DIG-TESS for line location.

14. Line item 3
STEWART & STEVENSON
Model: 16V92GDTAB750
Serial Number: 127683
750KW, 277/480Volts/60Hz/3Phase/1800RPM

Who will determine the location for the new ATS?

Answer: The ATS will be located where indicate during the walk thru inspection. Line Item No. 3, South wall inside switchgear room at window. The Contractor must receive prior approval from City of Houston, Code Enforcement, Plan Review prior to installation.

15. Line item 3
STEWART & STEVENSON
Model: 16V92GDTAB750
Serial Number: 127683
750KW, 277/480Volts/60Hz/3Phase/1800RPM

If the phone lines on the West interior wall need to be moved, who will do this?

Answer: It will be the contractor's responsibility to have any and all equipment relocated that will interfere with the new equipment location. All relocations will require the approval of the facility contractor, Severn Trent and the City of Houston.

16. After speaking to several of our vendors, 90 day lead time would be almost impossible. Custom enclosures require more time than that, also, we were told at the pre-bid conference that we would only be allowed to work at one facility at a time. Also, there could be issues with getting parts for some of these older generators and we would need to file permits and have inspections done, coordination with local utilities etc. Although

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we were told that there was a certain urgency with this project, honestly, I feel that more time will be needed.

Answer: The performance time stated is 120 calendar days. Work can be performed at all facilities simultaneously as long as work will not interfere with normal operations of the facility. All outages shall be scheduled and approved by the City of Houston.

17. Noticed in the photos we took that the concrete tanks have metal stairs, are we to scrap, prime and paint these and move them to new locations as well?

Answer: The Contractor shall be required to prime, paint and reinstall the stairs at the new locations.

18. Line Item 1
Cummins Onan
Model: DFHA-3383623
Serial Number: K990023595
750KW, 277/480Volts/60Hz/3Phase/1800RPM

How thick is the existing concrete pad at the new location "3822 Rustic"? Also, please provide exact dimensions, length and width.

Answer: The existing driveway thickness is unknown. The best estimate is 4" thick, the driveway length is 100 feet and the width is 16 feet.

19. Line Item 1
Cummins Onan
Model: DFHA-3383623
Serial Number: K990023595
750KW, 277/480Volts/60Hz/3Phase/1800RPM

Can you please provide the exact dimension of the steel building at the new location "3822 Rustic"?

Answer: Inside the switchgear room, length, North to South 19'4", width, East to West 18'7", wall thickness, 10.3/4".

20. All three generators are going to need power for lighting, outlets for maintenance, engine block heaters, battery chargers and batteries, also, what about electric louvers and a heater for those cold nights. Usually there is a circuit breaker panel in the enclosure that feeds all these items. There is no mention in any of the locations that we address this or where we are to take the power for this. This could amount to a lot of work, please clarify what we are to provide in each of the three enclosures?

Answer: The Contractor shall be required to install the necessary power circuits needed to supply equipment relevant to each generator and must receive prior approval from City of Houston, Code Enforcement, Plan Review.

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21. What about battery chargers and batteries, no mention in the work description, do you want all new chargers and batteries? Also, disposal of old batteries, what do we do with these?

Answer: The Contractor shall be required to replace batteries and charges as necessary for proper operation of the generators. The Contractor shall be required to return to the City of Houston bad chargers and batteries. All replacement equipment shall meet manufactures specification for replacement.

Note: No further questions will be accepted after the publication of this Letter of Clarification.

When issued, Letter(s) of Clarification shall automatically become a part of the bid documents and shall supersede any previous specification(s) and/or provision(s) in conflict with the Letter(s) of Clarification. It is the responsibility of the bidders to ensure that it has obtained all such letter(s). By submitting a bid on this project, bidders shall be deemed to have received all Letter(s) of Clarification and to have incorporated them into this solicitation.

Furthermore, it is the responsibility of each Contractor to obtain any previous Letter of Clarification associated with this solicitation.

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