State of Florida
Department of Transportation
Invitation to Bid

DOT-ITB-19-8010-AC

Replacement of Emergency Standby Generator, Fuel Tank and Automatic Transfer Switch (ATS) at Various Locations Along the Florida's Turnpike System for the North Region

RESPONSE TO QUESTIONS: GROUP 1

Question 1:
In review of bid package I see that Cat , Kohler, and Cummins are acceptable manufactures (attachment "C" ,part 2 products 2.1). I have attached a link http://bluestarps.com/elements/EngineeringGuidebook.pdf which is engineer guide book that meet all equivalent requirements. Would ask if Blue Star would be acceptable equipment.

Response:
Only the three (3) approved generator manufacturers by Kohler, Cummins Power or Caterpillar are acceptable. No substitutions allowed.

Question 2:
Regarding DOT-ITB-19-8010-AC the bid is currently due 05/07/2019 which I feel for a bid this size and the amount of locations requested (7), the time frame may not be adequate to turn in a competitive response. To assemble the required quotes for the 7 generators, back up generators, LP services etc. could take more than 14 days from the mandatory pre bid meeting held 04/23/19. I ask the State to reevaluate this timeframe to allow the biding participants ample time to formulate a competitive response.

Response:
See Addendum No. 1.

Question 3:
I am emailing You about a concern that We came upon at the Orlando South Maintenance Yard / FHP Post 7 (Cell Tower location). Question came up about the existing wire at the safety switch that controls power to the ATS the wire is of cloth outside and depending the age of the wire it could be asbestosis infused. This could be a game changer As it would require certified personal to mitigate this issue. Can We verify that it either is or is not asbestosis related. If it is how will it be handled and it looked like it was going all the way back to the MDP.

Response:
The Department will perform the asbestos inspection and testing at this location and will address the issue if any.

Question 4:
Please confirm the bidder may have a valid Florida GC license and subcontract to an electrician with a valid Florida Electrical license.

Response:
Refer to Page A-2 of the Exhibit "A," Scope of Services, Section 3.0 – Vendor's Qualifications, Subsection 3.1, Paragraph A.

Question 5:
Exhibit A, note 4.1C.6, page A4 states "The new ATS shall be equipped with Mpak 1500 controller or approved equivalent to meet the Supervisory Control and Data Acquisition (SCADA) requirements+. How does the contractor connect the controller in the ATS to the SCADA system?

Response:
Assistance from the Department's technician is available if needed.

Question 6:
Please confirm that we are not required to permit the sites.

Response:
A Permit is not required.

Question 7:
Please confirm that we do not need to supply a PE stamped set of construction plans.

Response:
A PE stamped set of construction plans is not required.

Question 8:
Is the contractor to assume replacing the existing pad inside building 5260, Orlando South Maintenance Yard to properly anchor the generator with Vibration Isolation Base and not install using channel steel cross members (to compensate for small pad width) as the current generator installation.

Response:
Refer to Page 4 of Attachment "C," Scope of Services and General Requirements, Part 1.00 – General, Section 1.01, Additional scope requirements for all sites, Paragraph 20.

Question 9:
I have a question about site #7. Attachment "B" is saying replace existing 30kw diesel with a 150 ats and new 250 gal tank. Attachment "C" is saying install new 50kw gen with 250 gallon belly tank with new 150 amp ats. Reason I am asking is that a 50 kw generator puts out 173 amp which would require 200 ATS. And will this still be 3 phase 120/208? Please advice as it will reflect Our bid's..

Response:
See Addendum No. 3.

Question 10:
Please verify that the testing requirements outlined in Attachment C Section 3.5 D are required(NETA testing, battery testing, exhaust back-pressure test, exhaust emissions test, voltage frequency test, harmonic level test, noise level test, etc.). These tests will add significant cost to the project. Or will factory testing be acceptable in lieu of the testing outlined in the specs?

Response:
Refer to Page A-3 of Exhibit "A," Scope of Services, Section 4.1 - Replacement Requirements for Generator, Fuel Tank, and ATS, Section B. Generator, Paragraph 9.

Question 11:
It was mentioned in the prebid that permits will not be required. If this is not the case, can you verify the cost to be incurred by the vendor?

Response:
Refer to the response to Question No. 6.

Question 12:
Site #1 – Will the cloth wiring be replaced?

Response:
Group No. 2 questions and responses to follow.

Question 13:
Site #7 – Will the new ATS require a service rated unit with a main breaker?

Response:
Group No. 2 questions and responses to follow.

Question 14:
Who is responsible for fuel cost?

Response:
See Addendum No. 3.

Question 15:
It was mentioned after the pre-bid that one of the sites may need to replace an existing disconnect . I do not see this listed in the scope of work in Attachment "C". Will you be adding this to the scope of work in an addendum?Which site is it for?

Response:
Group No. 2 questions and responses to follow.

Question 16:
Has it been determined if any of the existing ATS locations are currently in unsafe/unserviceable locations? If so will it be indicated by addendum as to which sites will require the new ATS to be installed in a different location other than the existing ATS location?

Response:
All the ATS are in safe and serviceable locations.

Question 17:
For Site #1 (Orlando South Maintenance Yard/FHP POST 7, Building 5260) Will FDOT consider an alternate method for securing the LP Tank to the pad? For example, we would like to pour the slab around (qty:4) 30" long x 4" double helix w/ 5/8" Rod anchor and use Stainless Steel coated cables to strap the tank down. In addition, we propose to anchor the tank's feet to the concrete slab. This method has been used on several FDOT projects.

Response:
Refer to the response to Question No. 8.

Question 18:
For Site #1 (Orlando South Maintenance Yard/FHP POST 7, Building 5260), Due to the larger scope of work for this location, would FDOT allow multiple 12 hour days to complete this work? For example, we would like to have twelve hours to replace the LP, reconnect to existing Generator, and then on a second mobilization have 12 hours to replace the generator.

Response:
Yes; As long as the temporary generator is in place.

Question 19:
For Site #1 (Orlando South Maintenance Yard/FHP POST 7, Building 5260), we did not see any specifications for underground LP piping. Would FDOT approve the use of High Pressure Poly Piping for the underground LP run from the tank to the building?

Response:
Group No. 2 questions and responses to follow.

Question 20:
For Site #1 (Orlando South Maintenance Yard/FHP POST 7, Building 5260), There are two brand new directional bored conduits under the drive way, are those for use on this bid/project?

Response:
No.

Question 21:
In reference to "Attachment 'C' Scope of Services and General Requirements", "Part 2 – Products" Section 2.1, paragraph "A". Would FDOT be able to provide drawings that specify approved installation of the (10) gauge aluminum diamond plate protective covers and how they propose to secure the diamond plate/to the tank?

Response:
Group No. 2 questions and responses to follow.