State of Rhode Island
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Solicitation Information:
March 20, 2013

ADDENDUM # 5

RFP# 7459259

Title: Electrical Engineering Services Evaluation & Improvements to Emergency Power

Bid Opening: March 28, 2013 11:45 AM (EST)

Notice to Vendors:

Attached are questions with answers. No Further questions will be answered.

Thomas Bovis
Interdepartmental Project Manager

Interested parties should monitor this website, on a regular basis, for any additional information that may be posted.

Questions: RFP # 7459259 – Electrical Service Evaluations Improvements Emergency Power

1.) Is the intent of this RFP to fully bring all these facilities' electric service at each complex into modern electrical code compliance, if so what NEC code year is required, NEC 2011 with RI amendments?
Latest adopted code.

2.) Is there a requirement for the electrical upgrades to incorporate lightning protection and or surge suppression such as a TVSS system on your main service entrance or any other location within the facility?
Recommendations of the engineer.

3.) Existing condition of electrical devices, wire/ insulation, is there knowledge of old devices /wiring that may be made of contaminated or present day hazards that may require testing and abatement to be included in this proposal?
Yes

4.) Is there permitted use or requirement of specific conduit type, Rigid Metal, Light Metal, EMT or PVC? Stated locations where conduit type is permissible?

Minimum code requirement and best practice

5.) Please state the allowed requirements for opening of electrical gear and panels, for inspection and testing, are we and sub contractors required to rigidly follow, NFPA 70E?

Follow 70E

6.) To evaluate loads, can we get a listing and floor location of major equipment, manufacturer, nameplate info and model for each building affected? Such as: HVAC, AHUs, RTUs, Compressors, Chillers, fire pumps and DOT testing equipment.

Yes

7.) Will RI DOA provide a state employee – state facilities manager or state architect to assist in the electrical systems design and layout for best future use of these facilities including new or replacement electrical panel or room locations?

Yes

8.) There is there a concern of disruption or downtime for those area's electrical service or distribution load centers?

Yes

9.) Is there to be specific restrictions of working hours, off hours required, down time/ shut down restrictions etc?

Yes on shutdowns

10.) Any known, fireproofing, hazardous material or asbestos abatement required under this project.

Yes

11.) Any known chase locations, stacked vertically electrical closets or rooms to be reused or planned in this facility? Any restricted electrical room locations known?

Unknown

12.) Please provide if known each facility electrical service's utility transformer(s), KVA, KW, primary and secondary voltages and wire size into this facility. For example; primary voltage 23KV, secondary voltage: 480V 3 ph, 208/120V 3ph, 120/240V 1PH, 120/240/240V- 2 transformer high leg, 600V, 3Ph, etc..

Available from National Grid
Available from State at Pastore

13.) This project is limited to electrical service: primary and secondary transformation, standby generator, ATS and distribution and does not include, receptacles, devices, branch wiring from distribution panels(load centers), underground raceways, telephone, fire, security, data or CCTV?

Yes

14.) 12 months of utility billings usage KWH, KW demand whatever is available from the utility?

Yes

15.) Who is the utility providers at each facility or complex?

National Grid/ State of Rhode Island

16.) Is there most current Electrical/Mechanical drawings of power riser, major HVAC equipment available for each building?

Yes

17.) Are there other buildings within the scope of this RFP that have existing generators beside those already specified in the RFP? If so where, please provide nameplate data and fuel type?

No

18.) Are alternative reliable fuels to diesel available on site, such as natural gas or propane and is there main capacity for sizable generator load? (Excluding the roaming diesel generator)

Yes

19.) RFP stipulates the generator to supply 100% of building load. Is the intent by RI to size the generator at exactly 100% of load or a more typical sizing to allow 20% excess capacity or 125% of actual load?

Yes

20.) For the roaming generator, is the intent by RI to size the generator at exactly 100% of load or a more typical sizing to allow 20% excess capacity or 125% of actual load for the largest building load in the Pastore Complex?

20% or 125%, use industry standard

21.) Is there requirements for this facility to provide any specialized power to data equipment or data center(s) located in this building?

Unknown

22.) Is this new standby generator, any electrical service or load centers to be monitored or to have specialty control to a building management system for this project?

No

23.) Is there a "HOME" location for the roaming generator or most critical building for locating this machine, i.e., like the hospital where the generator would be stationed and temporary connections left connected to the transfer switch?

Yes Central Power Plant in Cranston

24.) Are all transfer switches to be considered manual transfer switches at the Pastore Complex?

No

25.) The RFP notes the Stedman Govt. Ctr. already has and existing and new standby generator with a replacement generator to be sized for additional load. Can this generator be repurposed to another location, if possible, within the scope if this RFP (possibly at the Pastore Complex)?

No

26.) Is it possible to get photos for each building's service entrance?

Yes

27.) Since we are assuming there will be two primary voltages 480V 3 PH and 208 3PH would it be acceptable to provide two trailer mounted generators one for each voltage rather than one machine complexity configured to handle both voltages for the Pastore Complex?

Yes

28.) Throughout the RFP the generator is referred as "an emergency generator" however it is required to handle 100% of the building load. This is by Code a "stand-by generator"; although not specifically mentioned, will emergency circuits be connected to this generator? Will the design be responsible to separate all the emergency loads and other loads throughout the building?

Connect emergency circuits
No separation at this time

29.) Will the electrical design be responsible to correct other electrical code violations encountered during the investigations?

Yes limited to the generator installation

30.) Although the RFP states that utility bills may be available. If utility bills are available which buildings are they available for? Is there any electrical load measurements or demand readings available for the buildings?

All buildings listed in RFP except Pastore buildings

31.) If we required to measure the incoming service to determine actual loads, does a list of building loads exist? Or are we to investigate all loads within the buildings, measuring all loads beyond the main switch?

Investigate all loads

32.) Will electrical system shutdowns be allowed during the day or will test equipment need to be installed off-hours?

Off hours

33.) Is the testing company required to provide instantaneous or recorded amperage readings? If recorded for what time period?

24 hours 1 week

34.) Based on the uncertainty of load measurement requirements could the load measurement by a Testing Company be included on the bid form as an allowance?

Yes

35.) Will existing building plans, in AutoCAD format, be made available for design?

No

36.) Will weekly construction meetings be required? Is this time above and beyond the 2 hrs. per week indicated in Section 5.3; 10?
Yes

37.) Payment Procedures indicate that "Schematic Design Phase" is limited to 10%, due to the extensive field work that is required for this phase can that percentage be adjusted?
No

38.) Will the 10% MBE goal be required for this project?

No

39.) Will a topographical survey be required for the “site plan” mentioned under Section 2, or can locations be indicated on an existing plan or image?

No

40.) What is the desired extent of the “Existing One Line Diagram” mentioned under Section 2; b? Does this one line just indicate to the panel board level or down to the branch circuit and final loads?

Down to the branch circuit and final loads?