

Upgrade and Integration of Existing Building Automation System (BAS) to the Desigo CC Platform that Controls Two Remote Sites 17-22108

An Advance Contract Award Notice (ACAN) allows departments and agencies to post a notice, for no less than fifteen calendar days, indicating to the supplier community that it intends to award a good, service or construction contract to a pre-identified contractor. If no other supplier submits, on or before the closing date, a statement of capabilities that meets the requirements set out in the ACAN, the competitive requirements of the government's contracting policy have been met. Following notification to suppliers not successful in demonstrating that their statement of capabilities meets the requirements set out in the ACAN, the contract may then be awarded using the Treasury Board's electronic bidding authorities.

If other potential suppliers submit statements of capabilities during the fifteen calendar day posting period, and meet the requirements set out in the ACAN, the department or agency must proceed to a full tendering process on either the government's electronic tendering service or through traditional means, in order to award the contract.

Description of the Work

2. Definition of the requirement

- The National Research Council Canada (NRC) wishes to award a contract for the upgrade of an existing computer based BAS system at its Halifax and Ketch Harbour sites, implementing the Desigo CC platform with complete integration and graphic re-design.
- The existing facility BAS is a proprietary system which provides DDC monitoring and control (700 points) of the mechanical and electrical systems throughout the buildings and facilities and is an integral part of the Phoenix Valve energy management system.
- The system hardware is supplied by Siemens and is installed and serviced by Siemens
- In addition to the conversion component of this project, there will be a complete redesigned of the graphics (roughly 120 new designs not importation of the old graphics).

3. Criteria for assessment of the Statement of Capabilities (minimal essential requirements)

- The upgrade of the system consists of two (2) major components; the conversion to PXC platform at Ketch Harbour allowing integration of the two remote buildings into one server location, and migration to the new Siemens platform (Desigo CC complete with re-designed graphics). This

will provide more stability, end user functionality and well-designed user based workflows.

- You must be able to utilize much of existing Apogee infrastructure, thus minimizing downtime and unnecessary capital expense. The Siemens *Fast Forward* migration strategy leverages much of the current Apogee system hardware, eliminating the need to replace field end devices or wiring. We require an equal to or better proven migration strategy to minimize expense. You must be able to incorporate the insight database into the new platform without having to re-create the database.
- The extended system must use hardware and programming language that integrates seamlessly into the existing network of controllers **without the use of interface protocols**, and be 100% compatible with the existing system, in terms of functionality and communications.

4. Justification for the Pre-Identified Supplier

- The current BAS system was tendered and awarded to Siemens when it was installed. It is a proprietary system and has always been maintained by Siemens and is currently under a Service Contract by Siemens. There would have to be additional hardware installed or replaced at additional costs, and time large time commitment (for learning) for another manufacturer to integrate the Siemens equipment and information into another proprietary platform.

5. Period of the proposed contract or delivery date

- The requirements for completion of the project is no later than March 31st, 2018

6. This ACAN contract serves for the immediate contract of \$ 85,000.00 and for future requirements of similar size and scope for 2 additional years.

7. Name and address of the pre-identified supplier

- Siemens Building Technologies
120 Troop Ave
Dartmouth, NS
B3B 1Z1

8. Suppliers right to submit a statement of capabilities

- Suppliers who consider themselves fully qualified and available to provide the services/goods described herein, may submit a statement of capabilities in writing to the contact person identified in this Notice on or before the closing date of this Notice. The statement of capabilities must

clearly demonstrate how the supplier meets all of the advertised requirements.

9. Closing date for the submission of a statement of capabilities

- Dec 27, 2017.

10. Inquiries and submission of statement of capabilities

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