

## **ADVANCE CONTRACT AWARD NOTICE (ACAN)**

### **1. Advance Contract Award Notice (ACAN)**

An ACAN is a public notice indicating to the supplier community that a department or agency intends to award a contract for goods, services or construction to a pre-identified supplier, thereby allowing other suppliers to signal their interest in bidding, by submitting a statement of capabilities. If no supplier submits a statement of capabilities that meets the requirements set out in the ACAN, on or before the closing date stated in the ACAN, the contracting officer may then proceed with the award to the pre-identified supplier.

### **2. Definition of Requirements**

The department of Natural Resources Canada (NRCan) has been retained by the International Energy Agency Technology Collaboration Program on District Heating and Cooling (IEA-DHC) to lead an international joint project in order to undertake a research study to address the following general technical issues:

- Lack of reliable up-to-date data and information on seasonal thermal energy storage applications, in particular proved concepts, cost data, technology suppliers and experiences from realized projects.
- Low number of IEA-DHC countries with practical know-how and concrete projects in the field of seasonal thermal energy storage.
- Lack of reliable and adequate analysis tools to assess the technical economic potential of large scale Aquifer Thermal Energy Storage (ATES) or Pit Thermal Energy Storage (PTES) integration in DHC systems.

The objective of this contract is to collaborate with NRCan in contributing to the delivery of the IEA-DHC funded project following main deliverables and products:

- State of the art review report for ATES technologies including up-to-date cost data and cost function showing the cost of ATES systems versus storage system size.
- Technical report summarizing the review, validation and documentation of the ATES TRNSYS model used for the study as well as results of York University ATES base case study.
- The contractor will collaborate with NRCan in the presentation, dissemination and publication of project results.

### **3. Criteria for Assessment of the Statement of Capabilities**

Any interested supplier must demonstrate by way of a detailed statement of capabilities that it meets the following requirements:

- Must be a Dutch supplier as per IEA requirements, with demonstrable extensive expertise of at least 10 years on current large-scale ATES technologies in the Netherlands, their controls, operation and applications

in order to develop the State of the Art Review report and system cost data for ATES technologies indicated in section 2 above.

- Must have participated or have demonstrable in-depth knowledge of the results from the previous IEA Technology Collaboration Program on Energy Conservation through Energy Storage (ECES) related Annexes such as Annex 7 on “Innovative and Cost Effective Applications of Seasonal Cold Storage” and or Annex 14 on “Cooling in All Climates with Thermal Energy Storage”.
- Must have accesses to reliable aquifer thermal energy storage (ATES) soil properties and systems performance and operation monitoring data. This data will be used for validating both NRCAN’s ATES TRNSYS analysis tool and the IEA-DHC project partner TRNSYS second analysis tool “TRNAST”.
- Must have access to a variety of at least ten (10) district heating and cooling (DHC) systems with integrated ATES currently in operation in the Netherlands from which selected ATES systems performance and operation monitoring data can be selected and used in this project by the project partners.
- Must make these ATES soil properties and ATES system operation and performance monitoring data available for this contract and to the overall IEA-DHC funded research project.
- Must have accesses and possess a good experience with a groundwater model applied for ATES design, like ModFlow or HST2/3D. Results from these analysis tools will be used for the validation of the two ATES TRNSYS models to be used in this project.
- Must be able to contribute to the project a minimum in-kind contribution of \$5,000 USD to cover supplier’s staff time and travel expenses.
- Must be able to attend and participate in at least two workshops and meetings at York University ATES study project site in Canada
- Must be pre-approved by the IEA-DHC review committee in order for the supplier to be able to participate in this IEA-Funded Project.

#### **4. Trade Agreements**

Not Applicable

#### **5. Justification for the Pre-Identified Supplier**

We intend to deal directly with the supplier mentioned in section 10 below as, it is the only known supplier that meets the mandatory criteria set out in section 3 above.

Should Canada receive a statement of capabilities from a supplier that contains sufficient information to indicate that it meets the requirements set forth in this

ACAN, a competitive process will be triggered with a technical and financial evaluation methodology of the bids proposed by the potential bidders

## **6. Exception to the Government Contracts Regulations**

The following exception to the Government Contracts Regulations is invoked for this procurement under subsection: 6(d) – “only one person is capable of performing the work).

The identified provider, IFTech International, is the only one able to meet all of the criteria identified in paragraph 3 above.

## **7. Ownership of Intellectual Property**

Canada intends to retain ownership of any Foreground Intellectual Property arising out of the proposed contract on the basis that the main purpose of the contract is to generate knowledge and information for public dissemination.

## **8. Contract Period**

The contract period will be from award to September 30, 2018.

## **9. Estimated Cost**

The estimated maximum value of the contract is \$20,000.00 USD inclusive.

## **10. Name and Address of the Proposed Contractor**

IFTech International B.V. Mooieweg 238, NL 6836 AM Arnhem, The Netherlands.

## **11. 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, preferably by e-mail, to the contact person identified in this Notice on or before the closing date and time of this Notice. The Statement of Capabilities must clearly demonstrate how the supplier meets the advertised requirements.

## **12. Closing Date**

The closing date for a submission of a Statement of Capabilities is September 28, 2017 at 14:00 Eastern Standard Time.

## **13. Contract Authority**

Isabelle Parker  
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