

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 project 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 PTES technologies including up-to-date cost data and cost function showing the cost of PTES systems versus storage system size.
- Progress and Final Technical reports summarizing the review, validation and documentation of the PTES TRNSYS model used for the study as well as results of the Municipality of Schopfloch PTES 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 Danish supplier as per IEA requirements, with demonstrable extensive expertise of at least 10 years on current large-scale PTES

technologies and related costs in Denmark, their controls, operation and applications. The supplier should be able to effectively contribute in the development of the State of the Art Review report and system cost data for PTES technologies as well to be able to effectively contribute to the German municipality of Schopfloch technical economic study indicated in section 2 above.

- The supplier must have accesses to reliable large-scale PTES systems performance and operation monitoring data, which will be used for validating NRCAN's PTES TRNSYS analysis tool. Performance and monitoring data should originate from three to four plants equipped with large PTES volumes similar to Marstal (75 000 m³) PTES systems, Dronninglund (602,000 m³) and or Gram (122,000 m³). Monitoring data of these PTES systems will be pre-evaluated, selected and prepared by the supplier in order to allow for a review and validation process of NRCAN's TRNSYS PTES model.
- Must make these PTES soil properties and PTES system operation and performance monitoring data available for this contract and to the overall IEA-DHC funded research project.
- Must be well connected to be able to disseminate the results of this project in Denmark and abroad, such as for the members of the IEA Technology Collaboration Platform (TCP) on Energy Conservation by Energy Storage (ECES) and IEA TCP on Solar District Heating (SDH). Supplier should be also able to inform national and international EU projects related to DHC such as SolnetBW II, Horizon 2020 projects SDHp2m, CoolHeating, HeatRoadMap Europe, SmartEnCity, HotMaps.
- Must be able to contribute to the project a minimum in-kind contribution of \$14,000 USD to cover supplier's staff time and travel expenses.
- Must be able to attend and participate to workshops and meetings at the German municipality of Schopfloch.
- Following the successful demonstration of all above qualifications, interested supplier must be pre-approved first by the IEA-DHC review committee in order for the supplier to be able to participate in this IEA-Funded Project.
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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, PlanEnergi, 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 March 31, 2019.

9. Estimated Cost

The estimated maximum value of the contract is \$40,000.00 USD inclusive.

10. Name and Address of the Proposed Contractor

PlanEnergi Nordjylland, Jyllandsgade 1, 9520 Skørping, Denmark

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, 14:00 Eastern Standard time

13. Contract Authority

Isabelle Parker
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Ottawa, ON, K1A 0E4

Telephone: 343-292-8334
Isabelle.Parker@canada.ca