

## **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 Requirement**

The department of Natural Resources Canada (NRCan) has a requirement to develop a high-resolution gridded hourly Global Horizontal Irradiance (GHI) and Direct Normal Irradiance (DNI) of a high-resolution (4-5 km gridded) solar irradiance dataset for the Canadian North spanning 58° – 85°N latitude and 50 - 145°W longitude. This will be done by making use of the gridded cloud dataset input dataset, which will be developed by National Aeronautics and Space Administration (NASA) under a separate and parallel work. At least 20 years worth of hourly high-resolution gridded GHI and DNI will be produced ranging from about year 2000 through 2020. The dataset development shall be completed in close collaboration with NASA team.

### **3. Criteria for assessment of the Statement of Capabilities (Minimum Essential Requirements)**

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

- Developed and owns a validated satellite-based solar resource model that was previously and independently evaluated by NRCan or similar public sector third-party organization against ground solar measurements from at least over 15 Canadian geographical sites.
- A satellite model that includes a multi-channel infrared module that improves performance during snow cover conditions
- A satellite solar resource model that will be made available and used during the timeframe of this contract for evaluating the NASA clouds dataset and for the development of a solar resource dataset for the entire Canadian territory.
- In depth knowledge of the physical and statistical processes underlying the supplier satellite solar resource model. This knowledge is important to ensure

that data adjustments, resulting from the blending with northern latitudes' of NASA's cloud datasets are physically sound and coherent.

- Must have already generated and must already have access to at least 0.1° x 0.1° gridded hourly and averaged solar resource dataset, including global horizontal irradiance (GHI) and direct normal irradiance (DNI), for the Canadian south of 58 degrees latitude for at least 17 calendar years spanning from 2001 to the end of 2017 calendar year. A selected subset of this data and input will be used in completing the contract requirements. This data for the south along with the new data to be developed under this contract for the north will be merged to produce a unified solar dataset and maps for the entire Canadian territory, which will be published and made public by NRCan.

#### **4. Applicability of the trade agreement(s) to the procurement**

Not applicable.

#### **5. Set-aside under the Procurement Strategy for Aboriginal Business**

Not applicable.

#### **6. Comprehensive Land Claims Agreement(s)**

Not applicable.

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

The supplier mentioned in section 13 below 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

#### **8. Government Contracts Regulations Exception(s)**

The following exception(s) to the Government Contracts Regulations is (are) invoked for this procurement under subsection

6(d) – “only one person is capable of performing the work.”

The identified provider, The **State University of New York**, is the only one able to meet all of the criteria identified in paragraph 3 above.

#### **9. Exclusions and/or Limited Tendering Reasons**

Not applicable.

#### **10. 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 **obtain knowledge and information for public dissemination**.

#### **11. Period of the proposed contract or delivery date**

The contract period will be from the date of Contract Award to March 31, 2022.

#### **12. Cost estimate of the proposed contract**

The estimated maximum value of the contract is \$75,012 USD (taxes not applicable)

#### **13. Name and address of the pre-identified supplier**

State University of New York  
1400 Washington Avenue  
Albany, New York 12222

#### **14. Suppliers' right to submit a statement of capabilities**

Suppliers who consider themselves fully qualified and available to provide the goods, services or construction services described in the ACAN 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 the advertised requirements.

#### **15. Closing date for a submission of a statement of capabilities**

The closing date and time for accepting statements of capabilities is December 21, 2020 at 2:00pm (EST).

## **16. Inquiries and submission of statement of capabilities**

Inquiries and statement of capabilities are to be directed to:

**Raymond Thai**

Procurement Specialist

580 Booth Street, Ottawa, ON K1A 0E4

343-543-7427

[raymond.thai@canada.ca](mailto:raymond.thai@canada.ca)