

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 the requirement

The Department of Natural Resources Canada (NRCan) has a requirement to produce higher-quality direct normal irradiance (DNI) and global horizontal irradiance (GHI) satellite-derived solar resource data for south of Canada for the period of three (3) years covering calendar years 2018, 2019 and 2020, and for an option period of two (2) years covering calendar years 2021 and 2022, using improved satellite solar resource estimating model during snow conditions and persistent cloud cover. The minimum eastern region extends from 52 to 90 degrees west in longitude and from 40 to 58 degrees north in latitude. The minimum western region extends from 90 to 135 degrees in longitude and from 47 to 58 degrees in latitude. Data to be produced with a ground resolution of a minimum 1/10th of one degree in both latitude and longitude. The data will consist of: (1) gridded yearly and monthly means of both irradiance components suitable to mapping and (2) site and time specific hourly DNI and GHI time series for all grid points in the selected region.

The work will involve the following:

- I. Assembling model input data for the selected region, acquiring all input (e.g. visible and Infra-red (IR) channel imagery data for 2018 to 2020 and as required for 2021 and 2022).
- II. Applying the supplier's existing satellite model and data production
- III. Preparing model output for export in both ASCII and binary data

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:

- The supplier must have access to a validated satellite-based solar resource model that was previously and independently evaluated with ground-measured data from a minimum of fifteen (15) locations in Canada.
- This model must have been independently evaluated by NRCan or similar third party.
- The satellite solar resource model that the supplier has access to must include a multi-channel infrared module that improves performance during snow cover conditions.

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- The satellite solar resource model that the supplier has access to must have been independently evaluated with ground-measured data from a minimum of ten (10) locations in North America with an average hourly mean bias error of less than 30 W/m² for both global and direct beam radiation.
- This satellite solar resource model must have been evaluated with ground-measured data from a minimum of five (5) locations in North America under snow conditions with an average hourly mean bias error of less than 20% for global horizontal radiation.
- The supplier must have a minimum of five (5) years of experience in commercially producing independently quality-evaluated hourly or sub-hourly global and direct normal solar irradiance using satellite based data.

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

This procurement is subject to the following trade agreement(s):

- Canadian Free Trade Agreement (CFTA)
- World Trade Organization - Agreement on Government Procurement (WTO-AGP)
- Canada-European Union Comprehensive Economic and Trade Agreement (CETA)
- Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP)
- Canada-Chile Free Trade Agreement (CCFTA)
- Canada-Colombia Free Trade Agreement
- Canada-Honduras Free Trade Agreement
- Canada-Korea Free Trade Agreement
- Canada-Panama Free Trade Agreement
- Canada-Peru Free Trade Agreement (CPFTA)
- Canada-Ukraine Free Trade Agreement (CUFTA)

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

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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 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 supplier, Clean Power Research, LLC is the only one able to meet all of the criteria identified in paragraph 3 above

9. Exclusions and/or Limited Tendering Reasons

The following exclusion(s) and/or limited tendering reasons are invoked under the:

- Canadian Free Trade Agreement (CFTA) – Article: 513.1(b) (iii);
- World Trade Organization - Agreement on Government Procurement (WTO-AGP) – Under the Revised GPA - Article XIII, 1 (b) (iii);
- Canada-European Union Comprehensive Economic and Trade Agreement (CETA) – Article(s) Article 19.12 (b) (iii)
- Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP) – Article(s): 15.10 , 2 (b) (iii) (s)
- Canada-Chile Free Trade Agreement (CCFTA) – Article(s) Kbis-09 (b),Article Kbis-09 (c)
- Canada-Colombia Free Trade Agreement – Article(s): 1409 (b) (iii);
- Canada-Honduras Free Trade Agreement – Article(s): 17.11 2 (b) (iii)
- Canada-Korea Free Trade Agreement – Article 14.3, Under the Revised GPA - Article XIII, 1 (b) (iii);
- Canada-Panama Free Trade Agreement – Article(s) 16.10 (b) (iii)
- Canada-Peru Free Trade Agreement (CPFTA) – Article(s)1409 (b) (iii)
- Canada-Ukraine Free Trade Agreement (CUFTA) – Article(s) Article 10.13 (b) (iii);

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 generate knowledge and information for public dissemination.

11. Period of the proposed contract or delivery date

The proposed contract is for a period from date of award to March 31, 2023, plus an option of one (1) two-year period.

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12. Cost estimate of the proposed contract

The estimated value of the contract, including option, is \$ 275,000.00 (taxes not applicable).

13. Name and address of the pre-identified supplier

Clean Power Research, LLC
10604 NE 38th Place, Suite 100
Kirkland, WA 98033 USA

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 March 10, 2022 at 14:00 Eastern Standard Time

16. Inquiries and submission of statements of capabilities

Inquiries and statements of capabilities are to be directed to:
Contracting Authority
Alexandre Rheault, Procurement Specialist
Telephone: 613-298-6447
E-mail: alexandre.rheault@nrcan-rncan.gc.ca