

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 a requirement for the modeling of wildfire burn probability on 43 pre-defined study areas using the Burn-P3 wildfire simulation model/program.

The objective of this contract is to complete a wildfire risk analysis for a total of 43 hexels (study areas) using the Burn-P3 wildfire simulation model/program.

Deliverables from the Burn-P3 analysis will include burn probability grids (250m resolution) and statistics tables for each of the 43 hexels as well as advanced outputs calculated using the Canadian Fire Behaviour Prediction (FBP) System; specifically, Fire Intensity, Crown Fraction Burned, Fuel Consumption.

In addition, the perimeters of all simulated fires will also be recorded and saved in shapefile format.

3. Criteria for Assessment of the Statement of Capabilities

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

- Experience Required:
 - at least 4 years experience in conducting and delivering large Burn-P3 projects similar in size, scope and complexity
 - at least 10 years experience working in the field of wildfire science
- Training Required:
 - Advanced wildfire behaviour training – such as:
 - The Canadian Advanced Wildland Fire Behaviour Course
 - The Canadian Fire Behaviour Specialist Course
 - Canadian Wildland Fire Simulation

- Knowledge and understanding of:
 - The Burn-P3 wildfire simulation program (including the process of model calibration and determining when a stable burn probability has been attained on a specific study area)
 - The R programming language (including the ability to run existing scripts as well as build new R-scripts - as required to verify the calibration and final outputs of the Burn-P3 model for each specific study area)
 - The Canadian Fire Behaviour Prediction (FBP) System (including a strong background in working with FBP System fuel types)
 - The Prometheus wildland fire simulation model program
 - Wildfire risk assessments

- Academic qualifications
 - Must possess an undergraduate degree in science

4. Trade Agreements

This procurement is not subject to any trade agreement.

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

We intend to deal directly with the supplier mentioned in section 13 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.

8. 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, Ember Research Services Ltd. 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 generate knowledge and information for public dissemination

11. Contract Period

The contract period will be from date of contract award to March 29, 2019

12. Estimated Cost

The estimated maximum value of the contract is \$56,500.00 CAD inclusive.

13. Name and Address of the Proposed Contractor

Ember Research Services Ltd.
6081 Eagle Bay Road
Eagle Bay, British Columbia V0E 1T0

14. 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.

15. Closing Date

The closing date for a submission of a Statement of Capabilities is November 06, 2018 at 14:00 eastern standard time(EST)

16. Contract Authority

Anne-Marie Tauvette
Natural Resources Canada
1219 Queen Street East
Sault Ste. Marie, ON P6A2E5
Telephone:705-541-5579
E-mail: anne-marie.tauvette@canada.ca