

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

**Title: Real-time, high resolution streaming of electron precipitation emissions**

**# 9F015-20150261**

### **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 Canadian Space Agency (CSA) has a requirement to acquire turnkey services to automate and live stream imagery of auroral displays continuously and in real time from dusk until dawn each night from August to May, to be broadcast over the CSA's public website, producing a replay movie each morning. The work will involve the following:

- Image acquisition, data treatment and processing required to produce high-quality, real-time colour images for high-resolution feed (a minimum width of 1180 pixels or better for live feed).
- Image quality control
- Transmission of the data from a remote site to be livestreamed in real time over the CSA's public website, including procuring and managing the internet services for the remote facility and ensuring a continuous, uninterrupted broadcast.
- Nightly monitoring of image quality and broadcast reliability during the imaging season (August to May), and timely troubleshooting to maintain the integrity of the livestream.
- Generation of an automated nightly replay video to be transmitted to the CSA website the following day in a format to be determined by the CSA.
- Procuring and installing the necessary hardware required.
- Repair, refurbish or electronically connect remote physical sites where imaging systems are based, and managed their associated operations and maintenance costs.
- Data storage, archiving and security.

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

- **Qualifications, experience, and expertise of the bidder in delivering similar projects:** the bidder must have significant and recent experience in designing (three (3) years of experience, with two (2) of them must be within the last two (2) years), installing and managing ground-based auroral observatories, including real-time transmission of auroral imagery via internet.
- **Qualifications and experience of the project team members:** the bidder must provide the résumés of team members to show relevant and recent (within the past two (2) years) experience in designing, installing and managing auroral imagery systems and infrastructures for ground-based auroral observatories.
- **Organizational structure:** The bidder must also provide an organizational chart showing the roles of each team member in the project, and the percentage of their overall time allotted to the project.

### 4. Justification for the Pre-Identified Supplier

The proposed supplier already provided the same type of service for the CSA and for international science missions. The supplier was selected based on a previous procurement strategy determined by PWGSC (# 9F015-11-0391). The current contract would replicate the same services

The proposed supplier (the University of Calgary) was selected in two separate competitive processes to install and manage networks of ground-based observatories: 1. the first was a competitive international process in which the University of Calgary was selected by NASA and financed by the CSA under an international agreement to install and manage the hardware, software and data for a network of 20 ground-based observatories for the THEMIS mission (contract 9F007-08-1162). The Canadian Space Agency also selected the University of Calgary in a competitive process to install and manage a series of ground-based observatories for the CGSM multi-spectral imaging project (contract 9F007-07-1422).

To the CSA's knowledge, there are no other organizations (worldwide) capable of delivering, implementing and managing networks of auroral imagers. In fact, the University of Calgary is the only auroral imaging group in Canada and is the world-renowned expert in this field. Their expertise is sought out by other international organizations for this type of work (for instance, by NASA, the Finnish Meteorological Institute and the Stanford Research Institute).

**5. 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.

**6. 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.

**7. Period of the proposed contract or delivery date**

The proposed contract is from the award date till July 31, 2016 with two (2) option years, one year at the time till July 31, 2018.

**8. Cost estimate of the proposed contract**

The estimated value of the contract, including option(s), is \$ 253,163.00 (GST/HST non applicable).

**9. Name and address of the pre-identified supplier**

The University of Calgary  
2500 University Drive NW  
Calgary Alberta  
T2N 1N4

**10. 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.

**11. Closing date for a submission of a statement of capabilities**

The closing date and time for accepting statements of capabilities is July 28, 2015 at 2:00 p.m. EST.

**12. Inquiries and submission of statements of capabilities are to be directed to:**

Claudine Morin  
Contracting officer, Procurement and contracts administration  
Canadian Space Agency / Government of Canada  
6767 route de l'aéroport  
Saint-Hubert Québec  
J3Y 8Y9  
Phone: 450-926-4427  
Fax: 450-926-4969  
email: [claudine.morin@asc-csa.gc.ca](mailto:claudine.morin@asc-csa.gc.ca)