



**Préavis d'adjudication de contrat (PAC)
Advanced Contract Award Notice (ACAN)**

SEL: 01B46-13-0182

An Advance Contract Award Notice (ACAN) is a notification through the open bidding methodology of the intent to award a directed contract.

An Advance Contract Award Notice (ACAN) allows departments and agencies to post a notice, for no less than fifteen calendar days, indicating to the supplier community that it intends to award a good, service or construction contract to a pre-identified contractor. If no other supplier submits, on or before the closing date, a statement of capabilities that meets the requirements set out in the ACAN, the competitive requirements of the government's contracting policy have been met. Following notification to suppliers not successful in demonstrating that their statements of capabilities meets the requirements set out in the ACAN, the contract may then be awarded using the Treasury Board's electronic bidding authorities.

If other potential suppliers submit Statements of Capabilities during the fifteen calendar day posting period, and meet the requirements set out in the ACAN, the department or agency must proceed to a full tendering process on either the government's electronic tendering service or through traditional means, in order to award the contract.

Applicability of trade agreements and other obligations

N/A

Objective of the ACAN

The Halifax Seed Company will supply and install updated Maximizer panels and control software by Priva for Building #1 greenhouse located at the Potato Research Centre (PRC) in Fredericton, New-Brunswick.

Statement of Work

General:

Halifax Seed will supply all permits, materials, equipment and labour required to supply and install Maximizer update from second edition (SE) version 6 to third edition (TE) version 10, new server/client PC with Priva Office and Supervision, sensor/accessories, switch/accessories and site visit by Priva System consultant.

The Contractor will only incorporate new products and materials into the structure, used materials are not acceptable.

Scope of supply:

1. Maximizer Update from SE version 6 to TE version 10
2. Server/client PC with Priva Office and Supervision
3. Sensor/accessories
4. Switch/accessories
5. Site visit by Priva System Consultant

Note: The Maximizer panels, PCs and LAN-switches are suited for a single-phase line voltage of 115VAC (+15% and -20%)-60Hz.



**Préavis d'adjudication de contrat (PAC)
Advanced Contract Award Notice (ACAN)**

SEL: 01B46-13-0182

Maximizer Update from SE version 6 to TE version 10:

Halifax Seed is to supply and install a Priva update kit and new key codes to update existing Maximizers. The update kit includes new Maximizer central processing unit (CPU) board, with 20 analogue inputs and 40 digital outputs, a new membrane keyboard and backlit LCD-display. The update kit will mount in the existing interface panel in the same location of the SE Maximizer CPU board. All Maximizer CPU boards will be Canadian Standards Association and National Recognized Testing Laboratories Certification approved for full acceptance in Canada and the United States. Any zones existing on the SE boards will be saved to the new TE boards. Contract includes the supply and installation of:

- 17 x update kit, including software V6 to V10 update (Building #2)
- 3 x user manual in English, program version 10

For communication to Variable Frequency Drive to control exhaust fan in Building #2, 17 Maximizer boards will require the below integrated circuit (IC) chips.

- 34 x D/A-converter IC chips with four outputs. The processor board is equipped with 2 sockets to insert 2 D/A-converter IC chips. Two analogue output driver IC chips (see below) are required per D/A-converter IC chips to realize 4 analogue outputs 0 - 10VDC. It is possible to equip a central processor board with 8 analogue outputs 0 - 10VDC for various control functions
- 68 x Analogue output driver IC chips, used as driver circuit for 2 analogue outputs 0 - 10VDC via a D/A-converter IC chips (see above). Maximum current per analogue output is 15mA. The processor board is equipped with 4 sockets to insert 4 analogue output driver IC chips. It is possible to equip a central processor board with 8 analogue outputs 0 - 10VDC for various control functions

Server/client PC with Priva Office and Supervision:

Priva Office is designed as a Client/Server PC network system. The Server PC is the main PC on which Priva Office and Supervision software is installed. Each PC connected to Priva Office on a network can then be used as a Priva Office Client operating PC.

The server/client PC is equipped with Priva Office and Supervision for extended colour operator functions, using the server/client functions of Windows XP Professional or 7 Professional or Windows 8.

Via the client's PCs it is possible to present settings, measurements and calculations of the Maximizer computer in alphanumerical and graphical form. Furthermore Priva Office collects and stores the historical data of the Maximizer computer system.

Software supplied on a DVD-ROM with Priva Office update from version 3 to Priva Office Direct 5 basis program. 1 x The Priva Office Direct 5 program operates only in combination with Maximizer computers equipped with program version 10 and on PC equipped with Windows XP-professional or Windows 7 professional or Window 8 professional. The client PCs have to be equipped with Windows XP (professional or home edition SP2) or Windows Vista (business or home) or Windows 7 or Windows 8.

NOTE: Existing Opto22 - PC interface board will be re-use for each Maximizer Network.



**Préavis d'adjudication de contrat (PAC)
Advanced Contract Award Notice (ACAN)**

SEL: 01B46-13-0182

For this server/client PC configuration, Halifax Seed have included the following:

- minitower housing
- Intel® Quad Core™ 3rd Gen i5 processor board 2.9GHz
- internal memory 4GB
- HDD 250Gb
- DVD-ROM/CD-RW-combo
- 23" wide screen flat panel monitor
- keyboard and optical mouse
- on-board LAN 10/100/1000Mbps
- Windows 7 Ultimate, 64bit

Included is the assembly of all software and hardware into Supervision System, standard set-up plus warranty.

For the PC-network, Halifax Seed have included the following materials:

- 1x LAN Switch 5 UTP-ports 10Mbps/100Mbps
- 1x Norton Antivirus

All Supervision hardware and software assembled, installed and tested before shipping to site. After sale service of the personal computer terminal interface will be the responsibility of Priva.

Sensor/accessories:

1 x Priva meteorological station with two brackets for wall mounting, length of mast 4.00 meter, including the following sensors:

- Kipp radiation sensor CM3P
- wind velocity sensor
- wind direction sensor
- outside temperature sensor
- rain sensor

1 x Box with meteo interface board for connection of the outside temperature, wind speed, wind direction, rain detection and sunlight sensors on the weather station. The converted and buffered signals of the meteo interface board are connected to the analog inputs on the central processor board of a Maximizer.

Switch/accessories:

Interface switch kit to be installed in existing 17 panels to control hot water mixing valve and corridor gable air inlet as proportional control, 24vac to open & 24vac to close. Labour to install switch kit is the responsibility of Agriculture & Agri-Food Canada. Priva to supply installation drawings, revised panel drawings and phone support guidance.

Control/motor interfacing which includes:

- 17 x switch module auto/open/off/close for mixing valve for hydronic heat
- 3 x switch module auto/open/off/close for corridor gable air inlet louver (winter)



**Préavis d'adjudication de contrat (PAC)
Advanced Contract Award Notice (ACAN)**

SEL: 01B46-13-0182

- 1 x set of installation revised design drawings

Site visit by Priva System Consultant:

Site visit, four days on site by 2 Priva System Consultants to replace existing Maximizer SE boards to new Maximizer TE boards, install Priva Office PC, start-up and put into operation the Maximizer system. Perform fine tuning, final commissioning, instruction and training for the Maximizer system. Agriculture & Agri-Food Canada will be responsible for recording the existing configuration and settings from each board prior to site visit. Priva will provide phone support for guidance.

Estimated Value

The total value of the contract will be \$91,115.29 (tax included).

Time Frame

The required activities will run from the contract award date to March 31, 2014.

Proposed Supplier

The Halifax Seed Company Inc.
5860 Kane Street
PO Box 8026, Stn A
Halifax, NS
B3K 5L8

SOLE SOURCE JUSTIFICATION

The *Government Contracts Regulations* permits the contracting authority to set aside the requirement to solicit bids when only one person or firm is capable of performing the contract. This exception is quite definitive and should be invoked only where patent or copyright requirements, or **technical compatibility factors** and technological expertise suggest that only one contractor exists.

The North American Free Trade Agreement, the World Trade Organization - Agreement on Government Procurement, and the Agreement on Internal Trade permit the contracting authority to set aside the requirement to solicit bids under the following conditions: for additional deliveries by the original supplier that are intended either as **replacement parts** or continuing services for existing supplies, services or installations, or as the **extension of existing supplies, services or installations**, where a change of supplier would compel the contracting authority to procure equipment or services not meeting requirements of interchangeability with existing equipment or services, including software to the extent that the initial contract for the software was covered by the agreements;

The existing control software and hardware is proprietary to **Priva North America**; a company which specializes in greenhouse controls. The sole source contract will upgrade the existing Version 6 system to the latest Version 10 which has improved control algorithm. All printed circuit boards must be replaced for a software upgrade of this magnitude. The components that are being replaced are manufacturer specific components and can only be supplied through Priva representatives. **The Halifax Seed Company is the only Priva Controls Atlantic Canada representative in the Atlantic region.**



**Préavis d'adjudication de contrat (PAC)
Advanced Contract Award Notice (ACAN)**

SEL: 01B46-13-0182

SUPPLIERS' RIGHT TO SUBMIT A STATEMENT OF CAPABILITIES

Suppliers who consider themselves fully qualified and available to provide the services described herein, 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 stated requirements.

Closing date for the submission of the Statement of Capabilities:

December 19, 2013 at 2:00 p.m. (Eastern Standard Time)

Inquiries and Submission of Statements of Capabilities: requests for information shall be submitted **IN WRITING** to the contracting authority:

Gabrielle Raina Plouffe
Contract Officer
Agriculture and Agri-Food Canada
2001 University, suite 671 TEN
Montréal QC H3A 3N2
gabrielle.plouffe@agr.gc.ca
Tel.: 514 315-6123
Fax: 514 283-3143