

**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving
PWGSC
33 City Centre Drive
Suite 480C
Mississauga
Ontario
L5B 2N5
Bid Fax: (905) 615-2095**

**SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires
THIS DOCUMENT CONTAINS SECURITY
REQUIREMENTS.

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Public Works and Government Services Canada
Ontario Region
33 City Centre Drive
Suite 480
Mississauga
Ontario
L5B 2N5

Title - Sujet Weather Radar Replacement Solution	
Solicitation No. - N° de l'invitation K3D33-141144/B	Amendment No. - N° modif. 009
Client Reference No. - N° de référence du client K3D33-141144	Date 2015-08-21
GETS Reference No. - N° de référence de SEAG PW-\$TOR-018-6873	
File No. - N° de dossier TOR-4-37044 (018)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-09-30	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Pan, Long	Buyer Id - Id de l'acheteur tor018
Telephone No. - N° de téléphone (905) 615-2076 ()	FAX No. - N° de FAX (905) 615-2023
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Solicitation No. - N° de l'invitation

K3D33-141144/B

Client Ref. No. - N° de réf. du client

K3D33-141144

Amd. No. - N° de la modif.

009

File No. - N° du dossier

TOR-4-37044

Buyer ID - Id de l'acheteur

tor018

CCC No./N° CCC - FMS No/ N° VME

Please see attached.

THE SOLICITATION AMENDMENT No. 009 IS RAISED TO MODIFY THE BID SOLICITATION AND ANSWER QUESTIONS FROM THE INDUSTRY.

Modification #009

Reference:

Annex D – Insurance Requirements

Modification #009:

The first paragraph of article 3. All Risk Property Insurance in Annex D – Insurance Requirements is hereby deleted and replaced with the following:

The Contractor must obtain All Risks Property insurance while the Government Property is under its care, custody or control, and maintain it in force throughout the duration of the Contract, in an amount of not less than \$10,000,000 CAD. The Government's Property must be insured on Agreed Value (appraisal) basis.

Modification #010

Reference:

Appendix A to Annex A - SOW

Modification #010:

The item No. 89 in section 2.3.1 Electrical Power Interface is hereby deleted and replaced with the following:

The Contractor must provide an APU, which must start automatically with the loss of grid power and before the UPS battery is depleted. The APU must be designed, manufactured and installed to run the entire radar site for an extended period of time if grid power is lost. The APU must have a minimum of 168-hours (7 days) of fuel capacity on-site and be refuelable while the radar is operating in case of an extended loss of grid power. If the fuel storage tanks are not integrated into the design of the APU, the Contractor must provide them. Fuel storage tanks must comply with applicable regulations.

QUESTIONS AND ANSWERS

Question # 068

Reference:

Annex D – Insurance Requirements

Question #068:

Reference Annex D – Insurance Requirements. 3. All Risk Property Insurance. Is it necessary to obtain this insurance for all radar sites throughout the whole duration of the contract or is it possible to conclude the insurance per radar site for a limited time period, i.e. for the time of installation of the respective radar system?

Answer #068:

Please refer to Modification # 009. The Contractor must comply with the insurance requirements specified in Annex D and the section 7.12 Insurance – Specific Requirements in Part 7 of the RFP. The Contractor is required to provide the all risk property insurance for all the Contract deliverables throughout the Contract Period.

Question # 069

Reference:

RFP Annex A 1.3

RFP Annex A, Appendix A, para 1.5 and para. 2.1.1, #2

Question #069:

Para 1.3 of the SOW indicates that the Contractor is to provide the project management and all deliverables required for a turnkey dual polarized Doppler weather radar network. Para 1.5 indicates that the Contractor must deliver a turnkey network of radar systems and infrastructure. Para 2.1.1 #2 (Mandatory Requirement # 2) states that the radar network must operate synchronously.

1. Can PWGSC/EC please confirm that the Contractor's sole requirement for the network is to provide radar systems that operate synchronously
2. Can PWGSC/EC please provide a clarification as to how the synchronicity of the Network will be determined?

Answer #069:

1. The Contractor is required to meet all mandatory requirements stated in the RFP which will form part of the resulting contract. Additionally, any point-rated requirement for which points were awarded will also form part of the resulting contract.

2. As described in the RFP, the radar network must be able to produce a valid national composite of radar data. In order to do this, each radar will have to send up-to-date and complete volume scans (for example) in real time and on the same schedule. That is, very close to simultaneously. In order to be able to do this reliably, the radars must operate synchronously on an ongoing 24/7 basis. This is related to the stability of the timing of the scan strategy and data processing at each radar and control by a centralized clock.

Question # 070

Reference:

RFP Annex A, Appendix D, Section 3.0 pg 46 of 71

Question #070:

This section indicates that the maximum number of EC technicians requiring training over the contract period will be 40 individuals. This section further states that the contractor must provide initial training to 10 to 20 trainees and the initial group of trainees must receive adequate training and certification no later than 24 months after contract award. Four categories of technician (novice, operational level, specialist level and train the trainer) are identified.

In order to conduct realistic technician training, the new weather radars will be required for hands on training. However, it is anticipated that very few of the new weather radars will be operational within 24 months of contract award and therefore scheduling training for this number of technicians on the few available systems will be a challenge.

1. Can PWGSC/EC please confirm the percentage of each category of technician that will comprise the

initial cadre of trainees?

2. Would PWGSC/EC consider providing a longer period of time to complete the training of the initial cadre of technicians?
3. Will PWGSC/EC consider allowing training for the initial cadre of trainees at the radar OEM facilities to allow access to systems that are in process for adequate training on the actual EC radar systems?

Answer #070:

1. The detail training schedule and number of trainees will be discussed after contract award; however, EC anticipates that the first training session will be for technicians at the operational and specialist level so that EC can take over responsibility of radars installed by that point in the contract.
2. As stated in section 3.0 of Annex D, it is possible to negotiate a longer period of time upon approval by the Project Authority; however, the Contractor will then remain responsible for the 24/7 operation to necessary standards of any installed radars as per section 2.5 in Appendix A of Annex A SOW.
3. As stated in Appendix D of Annex A, section 1.0 - "All training is to take place in Canada and in English unless otherwise agreed to by the Project Authority". That is, the location of training could be negotiated upon approval by the Project Authority.

Question # 071

Reference:

RFP Annex A, Appendix A para 1.5 and 1.6 pg 25 of 71

Question #071:

Para 1.5 indicates that an LCM Plan must be designed to maintain the required radar system performance over the anticipated 20 - 25 year design life of the radar system. Para 1.6 indicates that the Contractor must provide sufficient spares to establish an inventory... based on the information and analysis developed over the period of the contract. Since the sparing level will be developed during the life of the contract, the costs of the spares will not be definitively known at the time of bid submission. This sentence could therefore infer that the cost of spares is not to be included in the Bidder's price.

1. Please confirm that the cost of spares is to be included in the Bidders price.
2. If spares are to be included in the proposal price, where should they be included?
3. Does PWGSC/EC want the Bidders to quote spare parts for 20 or 25 years?

Answer #071:

1. As described in 1.3 Scope and 1.7 Contract Delivery Schedule, the appropriate spares are required throughout the Contract Period until Canada assumes full responsibility of the radar network. The cost of the spares is to be included in the bid. The Bidders are requested to provide the pricing as part of their solution to fulfill all the related mandatory requirements described in Annex A SOW.
2. Please refer to 2.0 General Deliverables, 2.1 Radar System Deliverables – Appendix A, the price of spares should be included in the lot price of the radar systems described in Attachment 4 – Bidder's Pricing Table.
3. No. See Answer #1 above. This is to be a turnkey network. The sparing allotment must be sufficient for running a 24/7 operational network in the given conditions with the proposed equipment and considering the lead time for procurement of spares. Bidders are suggested to use Industry-standard Life Cycle Management (LCM) calculations for guidance to propose their solution. For example, X% sparing required/recommended.

Question # 072

Reference:

RFP Section 6.1.2.4, 6.1.2.9 and 6.1.2.10

Question #072:

This section indicates that the Bidder must provide a list of any subcontractors that could be used to perform any part of the work. Later in this section, the statement is made that "any subcontractor that could have access to Canada's data must be identified". Section 6.1.2.9 and 6.1.2.10 indicated that the list of subcontractors provided with the bid can be changed in exceptional circumstances only. Given that this project spans the country, it is much more cost effective to engage local contractors to provide some services, such as site preparation, transportation services, crane services or concrete services. These subcontractors would not have access to Canada's data in completing this portion of the work. A comprehensive list of all possible subcontractors for the 20 main sites and 13 optional sites will be extensive and could make the assessment of the Supply Chain Security Information provided very time consuming

Please confirm that the List of subcontractors refers to all subcontractors that could be used to perform any part of the work or a list of subcontractors that could have access to Canada's data while performing the work.

Answer #072:

Bidders are requested to be compliant with all the requirements listed in section 6.1.2. For the requirement described in 6.1.2.4 List of Subcontractors, a list of any subcontractors that could have access to Canada's data while performing the work must be identified. In addition, all third parties that may perform any part of the work regarding the Supply Chain Integrity Process must be identified, including but not limited to the party who might be deployed or maintain the Bidder's solution. The proposed Construction service providers do not need to be identified in this list (6.1.2.4) if they will not provide any goods and/or services regarding Supply Chain Security Information.

Question # 073

Reference:

RFP Annex B – Basis of Payment; Attachment 4 – Bidder's Pricing Table
RFP Annex B, Part 2 Table 1 – Milestone Payment Schedule for firm deliverables
RFP Amendment 7 Response to Question 054

Question #073:

Clarification on the method of payment process is requested. It is our understanding that a Task Authorization will be issued for Radar Infrastructure and Construction. Will the lot ceiling price be part of the Contract Value for payment under the Milestone Payment Schedule in Part 2 Table 1? If not please clarify how Task Authorizations will be paid?

Furthermore, will Task Authorizations be raised by site or by function? For example, could a single Task Authorization be raised to complete all work at a single site or could a single Task Authorization be raised to cover geo tech surveys at all 20 sites?

Answer #073:

Please refer to Question & Answer #009 in Solicitation Amendment # 003. The lot ceiling price will be part of the Maximum Contractor Fee in the milestone payment schedule described in Annex B. Canada intends to issue single Task Authorizations for each site based on the proposed Implementation plan. Any other proposal that could be beneficial to the Contract will be considered upon approval from Contracting Authority and Project Authority.

Question # 074

Reference:

RFP Annex D

Question #074:

Appendix D to Annex A (Item 2.0) defines the basis that bidders can use for calculation of the single firm lot price for the training deliverables that will be requested during the contract period. The firm lot price shall include the following:

- a. One (1) or two (2) Novice sessions of about 2 weeks in duration;
- b. Three (3) or four (4) Operational session of 1-2 weeks in duration;
- c. One (1) or two (2) Specialist level sessions of 3-5 days in duration;
- d. Two (2) Train the Trainer Sessions of 3-5 days in duration;
- e. Two (2) Engineering sessions of 3-5 days in duration;
- f. One (1) or two (2) IT sessions of 5 days in duration; and
- g. Two (2) or three (3) Radar Science Specialist sessions of 3 days in duration.

Answer #065 states: "Bidders are requested to provide Firm Unit Price for each site for optional training deliverables as Canada may exercise 1 or multiple quantities at one time".

Questions:

a) For the calculation of the firm lot price for training deliverables (during contract period) – in order to make all bids comparable, should bidders consider the maximum number of training sessions a-g as outlined in Item 2.0 of Appendix D to Annex A?

I.e.

- 2x Novice session for 2 weeks each
- 4x Operational sessions of 2 weeks each
- 2x Specialist session of 5 days each
- 2x Train the Trainer sessions of 5 days each
- 2x Engineer sessions of 5 days each
- 2x IT sessions of 5 days each
- 3x Radar Science Specialist Sessions of 3 days each

b) For optional training deliverables – should bidders consider 1x of the training sessions a-g per site?

Answer #074:

a) See the first paragraph of section 2.0 of Appendix D. The answers to these questions depend on the particular radar system, the design of the courses and any constraints that may exist for the delivery of the training. Canada has a requirement to have adequately trained staff to fulfill identified roles. Appendix D to the SOW describes the results required and provides estimates based on EC's training experience on the existing radar network. Document G2 of Appendix G provides as an example the outline of EC's current basic training. Canada has no information on the training required for systems being bid and so cannot anticipate the final design of the training deliverables.

b) Not necessarily. Training requirements must be based on system design and operating requirements. It is anticipated that additional systems may require additional trained technicians for ongoing operational support, but will not necessarily require additional engineers, IT Specialists and scientists.

ALL OTHER TERMS AND CONDITIONS OF THE BID SOLICITATION REMAIN UNCHANGED