

**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. 007
Client Reference No. - N° de référence du client K3D33-141144	Date 2015-07-30
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.

007

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. 007 IS RAISED TO MODIFY THE BID SOLICITATION AND ANSWER QUESTIONS FROM THE INDUSTRY.

Modification # 004

Reference:

Annex B – Basis of Payment; Attachment 4 – Bidder’s Pricing Table

Modification #004:

Table 2 – Radar Infrastructure and Construction – Task Authorization in Part 1 of Annex B is hereby deleted in its entirety and replaced with the following:

Item	Reference	Description	Quantity	Lot Ceiling Price
1	Annex A – Statement of Work	For the completion and acceptance of Infrastructure and Construction deliverables for 20 radar sites as described in Appendix B of Annex A – Statement of Work.	1	\$

Table 2 – Radar Infrastructure and Construction – Task Authorization in section 1.0 Firm Deliverables of Attachment 4 – Bidder’s Pricing Table is hereby deleted in its entirety and replaced with the following:

Item	Reference	Description	Quantity	Extended Ceiling Price (Quantity x Unit Ceiling Price)
1	Annex A – Statement of Work	For the completion and acceptance of Infrastructure and Construction deliverables for 20 radar sites as described in Appendix B of Annex A – Statement of Work.	1	\$
Evaluated Price for Table 2:				\$

QUESTIONS AND ANSWERS

Question # 052

Reference:

Attachment 3 – Point Rated Evaluation Criteria

Question #052:

Please clarify R35 which awards extra points if the radar moments are packed on a bin basis:

(a) Please confirm that this requirement would be satisfied by providing one data file for each bin containing all moments and metadata about the bin.

(b) If the understanding in #1 is incorrect, please clarify Canada’s intent with respect to packing radar moments around a bin.

Answer #052:

- (a) No, this requirement would not be satisfied.
- (b) EC requires that all the moments be packed on a bin basis so that all the requested moments can be found in a file that will contain all the data in a single volume (collection of sweeps) or single sweep. EC plans to transmit the moment files to a central computer for processing using standard telecomm protocols like ftp, sftp or other. With 32 operational radars producing volume scans every 5 to 6 minutes, efficient data management is required. It is required to have the option, that the collation/assembling of at least the moments be done by the system at the radar site, then the central computer would have to deal with only 32 files (volume scans) or 320 files (sweeps) every 5 or 6 minutes.

Question # 053

Reference:

RFP

Question #053:

If the bid is submitted on behalf of a Joint Venture, must the members have already entered into the Joint Venture Agreement at the time of bid submission? Or is it acceptable to include a draft framework for a Joint Venture Agreement within the proposal which would be executed after contract award and prior to contract signature?

If PWGSC has any guidance documentation or policies concerning Joint Venture bidding please advise.

Answer #053:

Please refer to Answer to Question # 006 in Amendment No. 003. In addition, as described in M2 in Attachment 2 - Mandatory Evaluation Criteria, bidders must provide "The proof of agreement between the Bidder and its core goods and services provider(s), indicating the intent of commitment to deliver the required goods and services under the contract during the entire Contract Period."

Question # 054

Reference:

Annex A – Statement of Work

Question #054:

Upon further analysis of Solicitation Number K3D33-141144/B (Weather Radar Replacement Solution), our question is related to the following items which mention soil and geotechnical studies for each radar site:

- Appendix B to Annex A, 1.0 Deliverables, 1
- Appendix B to Annex A, 1.0 Deliverables, 7, d
- Appendix B to Annex A, 1.0 Deliverables, 11
- Appendix G to Annex A, Document G4 - Example Geotechnical Survey
- Attachment 4 - Bidder's Pricing Table, Table 2, Note to bidder: "The geotechnical survey provided in Appendix G..."

The soil and geotechnical characteristics of each site may account for differences in engineering solutions for the foundations of the radar support structures (the towers). There could be a large impact in the design and costing of such foundations dependent on those site characteristics. It is not unusual that the budgeting for such foundations is based on a "normal soil" definition, which is later revised after signing of

the contract and after getting a geotechnical company to prepare the soil test and its report for foundation design. On occasions, it is provided in the contract that costing revisions are in place according to those results, if necessary.

However, we believe chances for such modifications could be reduced to a minimum if bidders were provided a-priori with relevant information that Environment Canada should already have, from geotechnical / soil studies carried out for the original radars.

Please let us know whether Environment Canada could provide the original studies as a means for bidders to optimize their estimations of the foundations costs, and thus reduce the chances of considerable modifications after the contract.

Answer #054:

The geotechnical/soil studies are not available for the majority of the sites. For this reason, an example geotechnical survey has been provided along with direction regarding assumptions. Please refer to the following table described in Attachment 4 – Bidder's Pricing Table.

Table 2 – Radar Infrastructure and Construction – Task Authorization

Note to bidder: When the Bidder is providing the pricing for the Radar Infrastructure and Construction deliverables please refer to Appendix B and Appendix G of Annex A – Statement of Work. Bidders should assume a "Greenfield" site with standard power and telecommunications available at a demarcation point on site. Note that the sites are generally level and have radar operating on site currently. The geotechnical survey provided in Appendix G is an old one from one of our existing sites and the engineering climatology data is for another of our sites (neither is in the 20 sites in the SOW). The engineering climatology data is for a 35 metre tower, which is taller than our average. The geotechnical data is likely on the easy side of average and the climatology is typical of Canada.

Also, please refer to Modification # 004, Annex B Pricing schedule does not ask for detailed costing on a site-by-site basis, but rather a ceiling price for the firm 20 sites. Because the Radar Infrastructure and Construction will be managed through the Task Authorization process, within the ceiling price, there will be flexibility to invoice more for some sites than for others as long as appropriate estimates and justifications are provided in advance of the work.

For clarity and comparability, Bidders should use the example geotechnical survey as the reference material for bid preparation. It is understood that adjustments will be required during the contract period. However, for the optional 13 sites, due to the uncertainty of the location and site info, Bidders are requested to provide the ceiling price for single site for evaluation purposes.

Question # 055

Reference:

RFP

Question #055:

These two paragraphs seem to be conflicting each other. Para 7.1.2 states that the work or a portion of it, will be on an "as and when required basis" using a Task Authorization (TA). However, para 7.1.2.1 (a) indicates that the TA process will be used for the deliverables described in Appendix B. Since the infrastructure requirements outlined in Appendix B are mandatory deliverables and do not fall into an "as and when required basis" category, some confusion has resulted. It is therefore assumed that work on the infrastructure deliverables (as outlined in Appendix B) for a particular site will not be started until a TA has been issued for this site. Please confirm that this assumption is correct.

Answer #055:

That assumption is correct. However, there are no conflicts in the requirement. Task Authorization process will be utilized for the mandatory deliverables of Appendix B as described in section 7.1.2.1 of the RFP. Bidders are requested to provide a ceiling price for the infrastructure and construction firm deliverables for 20 sites. Please also refer to response to Question # 054.

Question # 056

Reference:

RFP

Question #056:

Can PWGSC provide the contractor with each site's climatology information during the Proposal drafting period?

Answer #056:

No. This information is not on file with the radar program.

Question # 057

Reference:

Annex A – Statement of Work

Question #057:

This paragraph states that the Environment Canada network is supported from eight field office locations across the country.

In order to develop an efficient training plan, it would be useful to know the locations of these support locations. Can this information be provided?

Answer #057:

Vancouver, Edmonton, Winnipeg, Thunder Bay, Toronto, Montreal, Halifax, St. John's.

Question # 058

Reference:

Annex A – Statement of Work

Question #058:

The SOW indicates that the current system consists of 30 weather radars plus a system at McGill University. Annex B requires the bidder to provide a price for 20 new radar systems as well as a price per system for up to 13 additional systems. However, the Environment Canada website only indicates locations for 31 weather radars (including McGill).

Is McGill one of the optional sites?

Where are the other two (or three) optional radar systems to be located?

Answer #058:

There have been no decisions on the locations of any of the optional radar systems. If the options are exercised it may be for new sites, replacements at existing sites, or a mix of both.

Question # 059

Reference:

Annex A – Statement of Work

Question #059:

This section indicates that the contractor must perform all of the geo-technical surveys. However, paragraph 1.5 of the SOW indicates that the new radar systems will replace existing radar systems at the same site. Could PWGSC provide the geo-technical surveys for the existing sites?

Answer #059:

These geo-technical surveys are not available. See response to Question # 54.

ALL OTHER TERMS AND CONDITIONS OF THE BID SOLICITATION REMAIN UNCHANGED