



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Bid Receiving - PWGSC / Réception des soumissions  
→ TPSGC  
10th Floor, 4900 Yonge Street /  
10e étage, 4900 rue Yonge  
Toronto  
Ontario  
M2N 6A6

**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**

**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  
10th Floor, 4900 Yonge Street  
Toronto  
Ontario  
M2N 6A6

<b>Title - Sujet</b> Cellular Based Remote Cameras	
<b>Solicitation No. - N° de l'invitation</b> 5P315-190232/A	<b>Amendment No. - N° modif.</b> 004
<b>Client Reference No. - N° de référence du client</b> 5P315-190232	<b>Date</b> 2019-09-24
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$TOR-008-7802	
<b>File No. - N° de dossier</b> TOR-9-42033 (008)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2019-09-30</b>	
<b>Time Zone</b> Fuseau horaire Eastern Daylight Saving Time EDT	
<b>F.O.B. - F.A.B.</b>	
<b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Leslie, Sandra	<b>Buyer Id - Id de l'acheteur</b> tor008
<b>Telephone No. - N° de téléphone</b> (416) 575-8256 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

Amendment 004 is being issued to extend the bid closing date and to respond to a bidder questions.

**A. BID CLOSING DATE IS EXTENDED**

**FROM:** 14:00 PM (EDT) on 2019-09-27

**TO:** 14:00 PM (EDT) on 2019-09-30

**B. QUESTIONS AND RESPONSES**

**Question 1.** In reference to Annex A 3. Requirement Item No. 2, is the camera size and weight restriction inclusive of the additional solar panel or External Battery Pack complete with Connection Wiring

**Response 1.** The size and weight restriction applies to the self-contained camera only, the auxiliary pieces/equipment are not intended to be included.

**Question 2.** In reference to page 14 - data storage of 2GB/Month; due to the max storage; what is the expected frequency of photos? Under these restrictions at 1080p usually a photo can be produced every 30 mins - 1 hour under these data restrictions.

**Response 2.** The 1080p is the source requirement and in Annex A, item 3.10 it requires an upload with file compression, to manage the size. To help understand the potential for specific construction events, such as in-water work or concrete pours a 15 minute interval would be desired. This could last for 8 – 10 hours & than be repeated in several days' time. This would not be a regular requirement but the requirement may occur three times, every other month. There are no absolutes as it depends on the project and the activities that are felt require monitoring.

**Question 3.** In reference to Annex A 3. Requirement Item No. 4, how long is the self-contained battery required to last under normal operating conditions? Please not, there is no product available with a long term use for self-contained battery. A self-contained battery is predicted to last for a couple days. The camera system either needs 120v power supplies or must utilize the currently optional solar solution. Please confirm that solar capabilities is a contract requirement and not an optional item

**Response 3.** In Annex A, item 3.1 an 3.3 the requirement is that the unit be self-contained with a solar collector (panel), integrated into the unit. Further in item 3.3 it references that the remote solar panel is optional for conditions where the camera is placed in a covered area, allowing the remote panel to be located in the sun & connected to the camera.

**Question 4.** Will a greater resolution for photos of 1080p be considered an asset in the technical evaluation? What value is placed on greater resolution i.e. 4MP or 6MP?

**Response 4.** No it would not be considered an asset. For viewing purposes the greater resolution would be beneficial but due the file size, it was thought to be restrictive in storage, upload capacity and timing.

**Question 5.** In reference to page 13 - the camera size and weight restrictions, there is no item that provides those minimum dimensions. Is it okay if the unit is slightly larger?

**Response 5.** Page 13 item 3.2 the camera size requirement is defined 8" x 8" x 4" deep maximum.

**Question 6.** For the online hosting - is the required duration 24 months? Will there be a need for online support and server hosting after 24 months? Is the contract for all 24 months guaranteed?

**Response 6.** The online hosting is required for the entire term. The contract is for 24 months guaranteed.

**Question 7.** Please confirm the field of view for the angle of the camera is to be 60 degrees

**Response 7.** We are not limiting the field of view as there are benefits to all. 60 degrees is a good FOV but lower degrees allows for more detail that in some cases will be more beneficial. It could be added in the submission.

**Question 8.** Please confirm that each camera system requires a 4G LTE capabilities. Rather than 3G connection. Are we to host the internet connection as well through the web hosting?

**Response 8.** Each camera must have minimum 3G capabilities as stated in item 3.8 Cellular network, 4G, LTE are acceptable. Yes you are to host the internet connection.

**Question 9.** Please confirm that the unit requires built in GPS positioning?

**Response 9.** Yes.

**Question 10.** Please confirm the solar panel weight itself can be between 5-10lbs?

**Response 10.** Restrictions are not placed on the solar panel but this range would be acceptable & must come with hardware to mount it in similar fashion to the camera.

**Question 11.** In reference to Annex A 3. Requirement Item No. 12, please confirm that an operating temperature between -20 degrees and above 50 degrees Celsius is acceptable in lieu of Temperature range 40 to -40 Degrees Celsius

**Response 11.** The requirement is 40 to -40 degrees Celsius. These cameras will be placed in areas that could drop below -40 for a period of time.

**Question 12.** In reference to Annex A 3. Requirement Item No. 6, please define, "quick and easy installation"

**Response 12.** There is only a reference of 'easily installed' in item 3. 11' which is to say that a non-technical person can install the unit without much difficulty using simple tools that can be sourced easily through a hardware store.

**Question 13.** Please confirm the camera unit requires all weather outdoor and indoor housing?

**Response 13.** The unit will only be used externally so a weather protective unit is required.

**Question 14.** Please confirm that the camera sensor needs to be a standard CMOS?

**Response 14.** Yes

**Question 15.** For the online site interface, does there need to be a public URL?

**Response 15.** It is understood that a private URL is required, that we allow us to view, copy, search and delete any or all photos.

**Question 16.** In reference to Annex A 3. Requirement Item No. 13, please confirm the required response time for support requests, is a person required to be on call for 11 hrs each day?

**Response 16.** Yes.

**Question 17.** Please confirm the required warranty period for supplied equipment once delivered to the Client.

**Response 17.** The warranty period will be 12 months after delivery and acceptance of the Work or the length of the Contractor's or manufacturer's standard warranty period, whichever is longer.

**Question 18.** Please confirm how soon the equipment are to be installed after delivery to the Client.

**Response 18.** A number of the units will be located in a weeks' time, dependent on the projects that are active upon award of this contract.

**Question 19.** In reference to Annex A 3. Requirement Item No. 11, please confirm if we are required to supply the hardware for the mounting brackets as we are unaware as to the nature of the mount i.e. poles?

**Response 19.** Tek screws and appropriate sized washers are the only hardware elements to be provided, sufficient quantities to manage securement of the brackets to a tree limb, trunk, or wood rail.

**Question 20.** Please confirm if the battery pack referenced in Annex B Section 2.A is a requirement in excess of the self-contained battery mentioned in Annex A 3. Requirement Item No. 1. What are the technical and performance requirements if this external battery pack? Is it to require to be mounted with the camera as well?

**Response 20.** The external battery pack is in addition to the self-contained battery and can be secured to the unit with cable straps so as not to effect installation or use of camera.

**Question 21.** What are the technical and performance requirements of the solar panel referenced in Annex B Section 2.A? Is it to be mounted with the camera as well?

**Response 21.** The technical and performance requirements of the remote solar panel must be similar to the self-contained units in the camera. They must be able to charge the internal power supply sufficiently so the camera can operate when it's solar panel is not effectively placed in the sun's light.

**Question 22.** For ANNEX "C" TECHNICAL EVALUATION Item 9 of the MINIMUM MANDATORY PERFORMANCE SPECIFICATIONS, please advise on what alerts via SMS or email would be required?

**Response 22.** The SMS texting or email functions are to be options in setup, that the user can define. They will be given warning by the chosen method should it detect motion in its vocal view or if the camera is physically being moved.

**Question 23.** For ANNEX "C" TECHNICAL EVALUATION Item 13 of the MINIMUM MANDATORY PERFORMANCE SPECIFICATIONS, are we expected to visit the camera location to diagnose if unable to verify the issue remotely?

**Response 23.** The requirement states to 'remotely' diagnose. Should this not be possible as a result of camera electronics or manufacturing default/defect, that the unit will be removed by the user, sent back to the provide, for service or replacement and returned to the Peterborough address upon completion.

Solicitation No. - N° de l'invitation  
5P315-190232/A  
Client Ref. No. - N° de réf. du client  
5P315-190232

Amd. No. - N° de la modif.  
004  
File No. - N° du dossier  
TOR-9-42033

Buyer ID - Id de l'acheteur  
TOR008  
CCC No./N° CCC - FMS No./N° VME

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**Question 24.** Please confirm the bid closing date can be extended by two weeks to address all questions with suppliers.

**Response 24.** Unfortunately we are unable to accommodate this request at this time.

**Question 25.** Are all 25 cameras and solar stations to be shipped at the same time in 1 shipment?

**Response 25.** Yes

**Question 26.** Are the optional quantities on page 16/21 in Section 2 in addition to the 25 cameras and solar stations?

**Response 26.** Yes

**Question 27:** To initiate epost, I should send an email to [TPSGC.orreceptiondessoumissions-orbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca](mailto:TPSGC.orreceptiondessoumissions-orbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca) to open a connection and then from there I will be able to submit?

**Response 27.** Yes

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If your bid has already been submitted, you may wish to revise it. Revisions to your bid must be submitted in a sealed envelope with the contents clearly identified on the outside of the envelope. Any revisions to your bid must be received by the Bid Receiving Unit on or before the time and date stated on page 1 of this document. Any revisions to your bid received after the closing date and time will be considered late and will be returned unopened.