Public Works and Government Services Canada | Travaux publics et Services gouvernementaux Canada

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Réception des soumissions - TPSGC / Bid Receiving - PWGSC
1550, Avenue d'Estimauville
1550, D'Estimauville Avenue
Québec
Québec
G1J 0C7

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
TPSGC/PWGSC
601-1550, Avenue d'Estimauville
Québec
Québec
G1J 0C7

Title - Sujet Steering Gimbal Platform	
Solicitation No. - N° de l'invitation W7701-196989/A	**Amendment No. - N° modif.** 001
Client Reference No. - N° de référence du client W7701-196989	**Date** 2019-11-12
GETS Reference No. - N° de référence de SEAG PW-$QCL-052-17782	
File No. - N° de dossier QCL-8-41169 (052)	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-11-21	**Time Zone** **Fuseau horaire** Heure Normale du l'Est HNE
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☐ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Proulx, Jean-R.	**Buyer Id - Id de l'acheteur** qcl052
Telephone No. - N° de téléphone (418) 649-2774 ( )	**FAX No. - N° de FAX** (418) 648-2209
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**

Canada

N° de l'invitation - Solicitation No.	N° de la modif - Amd. No.	Id de l'acheteur - Buyer ID
W7701-196989/A	001	QCL052
N° de réf. du client - Client Ref. No.	File No. - N° du dossier	N° CCC / CCC No./ N° VME - FMS
W7701-196989	QCL-8-41169	

Enquiries - Bid Solicitation - Clause # 2.3

To ensure consistency and quality of information provided to bidders, significant enquiries received and the replies to such enquiries will be provided simultaneously to bidders to which the bid solicitation has been sent, without revealing the sources of the enquiries.

Here are questions which we have received until now:

Question 1 : I see that a maximum speed and torque are called out. However, in order to accurately model the motor temperature rise, we need to understand the move profile and duty cycle. If an RMS acceleration is provided, that would give us what we need, too. Can you provide any additional information on the motion profile and or RMS acceleration?

Answer 1 : **Since this steering platform will be used in various evaluation projects, it is not possible to define precisely the move profiles. However, it won't be used in heavy industrial applications (high loads continuously move over long operation periods every day). Some typical applications would be :**

a. **One large displacement (i.e. 40 degrees) at high slew rate followed be one slow tracking (<5 degrees/second) for 30 seconds.**

b. **One sweeping at 10 degrees/second over 90 degrees range for 60 seconds.**

c. **Simulation of strong vibrations (at a quarter of the maximum specified platform acceleration) over 2 to 4 degrees range during less than 30 seconds.**

The same test (i.e. test a.) could be repeated for one hour with 1 to 2 minutes pauses between repetitions. An example of a more extended test would be:

a. **Continuous moving the aiming point along a pre-defined pattern (i.e. an oval of 90 degrees in azimuth and 15 degrees in elevation) at slow speed (<10 degrees/second) for 20 minutes.**

The total operation time (active move) during a day is expected to be less than 4 hours.

Question 2 : Can we exceed the 800mm height limit? If so, by how much?

Answer 2 : **The increase of the platform size could complicate its integration in our test assembly. However, specifically for the overall height criteria, the specification we could be extended by a few centimetres without significant impact. So, the maximum height could be increased up to 82 centimetres.**

Question 3 : We need to locate the elevation axis counterwieghts somewhere. Either on the outside of the elevation axes (making the overall assembly wider) or inbetween the elevation axes. This sketch shows where we might be able to mount the counterweights inbetween the elevation axes. Would that be acceptable? How much of that space underneath the units can we use for counterweights?

Answer 3 : **The configuration based on the internal location of counterweight has obvious advantages and it is definitely very relevant. For this request, we decided to accept both configurations (inside or outside) to allow the maximum flexibility in the counterweight system design which may provide some unexpected advantages.**

The whole space below the elevation axis is available for the counterweight as long as it does not interfere platform operation to comply with the specified characteristics such as:

- **Azimuth field of view: minimum of 135 degrees**
- **Azimuth pointing range: ± 90 degrees**
- **Elevation pointing range: between -25 degrees and 60 degrees**

All other terms and conditions of the solicitation remain the same.