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

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Travaux publics et Services gouvernementaux Canada
Voir dans le document/
See herein
NA
Québec
NA

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
Travaux publics et Services gouvernementaux Canada
Place Bonaventure, portail Sud-Oue
800, rue de La Gauchetière Ouest
7e étage, suite 7300
Montréal
Québec
H5A 1L6

Title - Sujet Hydraulic Test Bench System	
Solicitation No. - N° de l'invitation W1985-212030/A	**Amendment No. - N° modif.** 006
Client Reference No. - N° de référence du client W1985-212030	**Date** 2020-12-07
GETS Reference No. - N° de référence de SEAG PW-$MTA-170-15883	
File No. - N° de dossier MTA-0-43044 (170)	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à** 02:00 PM Eastern Standard Time EST **on - le** 2021-01-08 Heure Normale du l'Est HNE	
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes **Plant-Usine:** ☐ **Destination:** ☐ **Other-Autre:** ☑	
Address Enquiries to: - Adresser toutes questions à: Cimpan, Cristina	**Buyer Id - Id de l'acheteur** mta170
Telephone No. - N° de téléphone (514) 604-3855 ( )	**FAX No. - N° de FAX** ( ) -
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

AMENDMENT 006

This amendment aims to publish questions and answers and to postpone the closing date to Friday, January 8, 2021, at 02:00 PM EST.

Q59-1 : Control and Data Acquisition - Reference Article 2.10.4: You request specifications from 0 to 4000 Rpm at the training level. Would a servo-type servo motor solution be considered an option? Less maintenance and heat generation and better control of the application would be expected.
This conflicts with section 2.11.2.4.3.1.10.

A59-1: What would be the effect of this solution on the other requirements? Also, would there be a way to select features similar to those presented in section 2.11.2.4.3.1.10?

Q59-2 : Supplier response to questions:

The operation of the system as stipulated in the article 2.11.2.4.3.1.10 makes it impossible to use a system controlled by a servo motor. This principle requires the use of a frequency converter and cannot be bypassed by a conventional external starter / contactor system due to servo motor operation. The motor is fully servo-controlled by the frequency converter, unlike a standard three-phase motor.
The greatest advantage will be to reduce the heating and noise related to the conventional hydraulic drive system, as well as the removal of several components to perform the motorization of the pump under test. This will further reduce maintenance and wear related to their use.
This type of motor does not have a built-in fan and will be liquid cooled.
We suggest this possibility to allow greater flexibility and performance of the test bench.
Note that we will need the maximum torque values to be developed during extended tests for engine selection, if this solution is allowed.

A59-2: This concept is accepted.

Q60 : According to the Equipment to be tested (excel file),we would like to have more specification about the unit below. Any data sheet or catalogue if available.

4320-12-184-5853	Pump	Submersible	Rexroth	200 Bar		26	3000	2 bolts 106 mm c/c shaft 18 mm Φ clé de 6 mm

A60 : The test bench we are looking for must be an evolving concept that will be able to adapt quickly to the development of the market. Along the same lines as question 62, we are unable to provide more detail at this point in the process. We will have a pump physically available on site to present to the winning supplier.

Q61 : We would like to know if during the test of the motors (as it is not specified in the test procedure) **is it necessary to use the electrical motor as a brake** to simulate the working conditions of the motors, making the testing fully functional for the user. The advantage of this system is that during the tests being

carried out *with the motors and the application of a brake*: **the system generates power** that reduces the consumption of electricity from the net.

A61 : The main criteria to check on an engine are torque versus pressure, torque efficiency, volumetric efficiency, mechanical efficiency, total efficiency and speed. Therefore, your proposal must at least allow these values to be obtained. During the tests, the ISO 4409: 2019 and / or SAE J746_201911 standards will serve as guides.

Q62 : For us, on this type of installation, the electrical motor is horizontal, not vertical as indicated in the solicitation n° W1985-212030/A at the point 2.1.7.1. (**we confirm that we know that we have to customize it according to the customer specification**).

Would it be possible to share the CMM (component maintenance manual) of the equipment to be tested (Excel file) with us?

A62 : No, for "maintenance manual", our documentation is regulated by the ITAR treaty, so they are protected.

****

All other terms and conditions remain unchanged.