

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Public Works and Government Services / Travaux
publics et services gouvernementaux
Kingston Procurement
Des Acquisitions Kingston
86 Clarence Street, 2nd floor
Kingston
Ontario
K7L 1X3
Bid Fax: (613) 545-8067

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 / Travaux
publics et services gouvernementaux
Kingston Procurement
Des Acquisitions Kingston
86 Clarence Street, 2nd floor
Kingston
Ontario
K7L 1X3

Title - Sujet Water Jet Cutting Machine	
Solicitation No. - N° de l'invitation 23584-140369/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client 23584-14-0369	Date 2014-02-03
GETS Reference No. - N° de référence de SEAG PW-\$KIN-655-6271	
File No. - N° de dossier KIN-3-40146 (655)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-02-11	
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: Semple, Patrick	Buyer Id - Id de l'acheteur kin655
Telephone No. - N° de téléphone (613) 530-3117 ()	FAX No. - N° de FAX (613) 545-8067
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

(A) Amendment #003 is raised to answer the following question from a bidder.

Question: I would like to ask if the question verbage and rationale from the vendor or vendors in Amendment #002 is shown in its entirety on the amendment or was it summarized for the purpose of the amendment?

If not shown in its entirety can we see the entire question and rationale?

Answer: The questions were summarised for the purpose of the amendment. Please see below for the full text.

Question: (1) Item A3-2

Your request states that the power available includes 480VAC, 3 phase however in your Acceptance Test Plan section 3 it does not mention the 480VAC. Is the 480VAC available?

Answer: Yes, 480 VAC is available.

Question: (2) Annex B

The tender ask for a 3 axis machine however in the Annex B it asks for pricing for a 5 axis type head. Is this head strictly for taper control or do you require 5 axis capabilities?

Answer: Strictly for taper control

Question: (3) A4-1

You state that " Aluminum frame and motion system components are not acceptable due to thermal expansion, short term and long term rigidity."

We do have some aluminum parts in our patented motion system however our FEA software analyzes and over 1000 installations prove these components do not cause any detrimental effect on thermal expansion or short and long term rigidity. A blanket statement saying no Aluminum components limits the technology and design a manufacturer can utilize. Aluminum is not used to save money as the cost is much higher but as the best material for specific components. This item should be review so that newer manufacturing techniques can be considered.

Answer: Frame members (structural) may not contain aluminum but aluminum components are acceptable in motion system components.

Question: (4) A4-11

The request state that ball screws or helical rack and pinion are requested. Our patented linear drive technology with non contact 1 micron linear scales has been used since 2006 with over 1000 installations and has been proven to be more accurate, reliable and easily maintained eliminating the issues related to the abrasive environment. Limiting the request to the two older technologies reduces to selection of equipment and end up costing more money in maintenance.

Answer: CMAT will remove the "ball screws or helical rack and pinion" drive mandatory requirement A4-11

Question: (5) A4-16

The request state that no more than 1.5 lbs of garnet to be held in the mini hopper on the Z axis. We do not recommend this do to the fact that if there is an issue with the bulk feed hopper such as running out of garnet, clogging due to contaminants or any malfunction and it fails to send the garnet to the mini system then you only have approximately 90 seconds to realize the problem and rectify it before you start cutting without garnet causing the waterjet to send water throughout the facility in the form of a rooster tail and scraping parts. Normally a manufacturer utilizing such a small garnet hopper is concerned about the weight and inaccuracy caused by carrying more weight. If a machine is properly designed or is a bridge or gantry design and weight is not an issue than a larger system is highly recommended to reduce the chance of running out of garnet in the mini hopper quickly should the bulk feed system have a problem.

If cleanup time is of concern due to clogging issues than it is better to evaluate the reason the system is clogging in the first place. The 3 most common issues are 1) poor quality garnet having excessive dust or contaminates. This can be rectified by purchasing better quality garnet like Barton. 2) Running the nozzle into the work piece causing water to back up into the garnet feed system. This can be rectified by adding a reliable height sensor. 3) A piece of the garnet bag ended up in the garnet and gets stuck in the garnet feed tube. This can be rectified by pouring the garnet through a screen when adding it to the bulk hopper.

Having a sealed waterproof mini hopper is also a very good feature to prevent water from clogging the garnet system. The odds are it will get wet at some point so you might as well plan for it and not have an issue.

If change over time for different garnet mesh sizes is a concern than a system that is quick change that can be pulled of the machine cleaned and replaced in less than 5 minutes may be a better requirement or simply buy additional mini hoppers for your different mesh sizes.

Answer: CMAT will remove the “no more than 1.5 lbs of garnet to be held in the mini hopper on the Z axis” mandatory requirement A4-16