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

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# 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**

| | |
|---|---|
| **Title - Sujet**<br>Water Treatment System | |
| **Solicitation No. - N° de l'invitation**<br>39903-170154/A | **Amendment No. - N° modif.**<br>001 |
| **Client Reference No. - N° de référence du client**<br>39903-170154 | **Date**<br>2016-07-26 |
| **GETS Reference No. - N° de référence de SEAG**<br>PW-$PWB-101-3913 | |
| **File No. - N° de dossier**<br>PWB-6-39029 (101) | **CCC No./N° CCC - FMS No./N° VME** |
| **Solicitation Closes - L'invitation prend fin**<br>**at - à 02:00 PM**<br>**on - le 2016-08-18** | **Time Zone**<br>**Fuseau horaire**<br>Atlantic Daylight Saving Time ADT |
| **F.O.B. - F.A.B.**<br>**Plant-Usine:** ☐ **Destination:** ☑ **Other-Autre:** ☐ | |
| **Address Enquiries to: - Adresser toutes questions à:**<br>Lomax, Sandra | **Buyer Id - Id de l'acheteur**<br>pwb101 |
| **Telephone No. - N° de téléphone**<br>(506) 636-4362 (  ) | **FAX No. - N° de FAX**<br>(506) 636-4376 |
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| **Name and title of person authorized to sign on behalf of Vendor/Firm (type or print)**<br>**Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)**<br><br>**Signature** **Date** | |

**Issuing Office - Bureau de distribution**

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189 Prince William Street
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Canada

This Solicitation Amendment No. One (1) is raised to include the following Addendum No. One (1).

The following Addendum to the tender is effective immediately. This addendum shall form part of the contract documents.

**All other terms and conditions remain the same.**

## QUESTION AND ANSWERS

### Question-1

We note that the solicitation calls for a Reverse Osmosis Unit. Typically RO units are used where the water to be filtered is salt water. Is this the case for the CFIA unit? If not then you want to consider a two stage purification system which may be better suited to the application.

### Answer- 1

No it is not salt water; the water is from the municipality.
Solicitation No 39903-170154/A, Annex B states One Reverse Osmosis system with elrctrodeionization (RO EDI) and ultraviolet (UV) units, this is what CFIA requested there will be no other technologies accepted.

### Questions -2

1) Can you define the product quality required in terms of conductivity/resistivity?

2) Is the end user accepting only EDI technology solutions?

3) Provide information on the number of pumps, valves, interlocks and other field equipment and instrumentation interfacing with the system.

4) Provide also complete information regarding power utilities in the lab area. AC/DC Voltage for controls? 110V or 24V?; Voltage level for motors and high power equipment, 240V, 460V or 575V.

**Answers- 2**

1) The deaerator feeding the boiler plant gets makeup reverse osmosis water from (2) two batched 1000 liter storage tanks. The lab water is DI quality and has (1) one 1000 liter storage tank, it should be noted that both storage systems have their own level control and distribution pumps and they are not being replaced.
Deaerator water quality from the RO storage tanks has a conductivity of 5 microsiemens/cm with a minimum production rate of 9.5 GPM (US).
Lab grade water quality from the EDI has Type III ASTM D1193-99 reagent grade water with a conductivity of .25 microsiemens/cm with a production rate of 2 GPM (US).

2) Solicitation No 39903-170154/A, Annex B states One Reverse Osmosis system with elrctrodeionization (RO EDI) and ultraviolet (UV) units this is what is requested there will be no other technologies accepted.

3) Distribution pumps and water level sensors for both the deaerator and the lab water storage tanks are on existing controllers and will not be interfaced with the new system. The control of solenoid valves to fill both storage tank systems is also controlled by building automation and will not be changed. The building automation sends a command to the RO/EDI system to start producing water. All other devices required to make the system operational must be provide including water quality sensors, automatic valves, process booster pumps, current sensors, low flow and low pressure switches etc.

4) The power to the existing system is on a 30 amp disconnect at 575 volts 3 phase. We use approximately 6 amps to supply the distribution pumps that are to remain. There will be approximately 18 amps available (We do not want to exceed 80% of breaker load) for the new equipment, suppliers are responsible for any transformers to operate the lower voltage components of the proposed equipment.

**Question -3**

1) Is the gpm a US gallon or Imperial gallon?
2) You refer to the flow rate in terms of minimum, are you satisfied with 9.5 gpm as the operational flow rate or are you looking for something greater? If so what?
3) Your request is silent as replacement filters and other consumables. Is the bidder to include these in his price, if so for what period?
4) Have you determined total output for a given period? For example: Is the unit expected to produce 15,000 gallons per month, or some other amount. This information will be used to determine what level of support would be required in the way of spares and service.

**Answers-3**

1) US gallons
2) Yes, RO minimum of 9.5 US GPM to the boiler operations and DI minimum 2 US GPM to the lab water storage tanks.
3) The request is for the set of filters and membranes required to startup the system. The .2 micro final filters currently being used will not be replaced.
4) RO water production for the boiler operations total 6000US gallons per day. DI lab grade water production 1000 US gallons per day.