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

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101 - 22nd Street East, Suite 110
Saskatoon
Saskatchewan
S7K 0E1
Bid Fax: (306) 975-5397

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/Travaux publics et Services gouvernementaux Canada
Harry Hays Building (HHB)
Room 759, 220-4th Avenue SE
Calgary
Alberta
T2G 4X3

Title - Sujet Fuel Management System	
Solicitation No. - N° de l'invitation 01R11-200340/A	**Amendment No. - N° modif.** 002
Client Reference No. - N° de référence du client 01R11-200340	**Date** 2019-11-05
GETS Reference No. - N° de référence de SEAG PW-$CAL-147-6963	
File No. - N° de dossier CAL-9-42066 (147)	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à 02:00 PM** **on - le 2019-11-19**	**Time Zone** **Fuseau horaire** Central Standard Time CST
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☑ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Law, Brian	**Buyer Id - Id de l'acheteur** cal147
Telephone No. - N° de téléphone (403) 478-5462 ( )	**FAX No. - N° de FAX** (306) 975-5397
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

This amendment 002 is being raised to address questions received during the solicitation period, the site visit, and to amend solicitation 01R11-200340/A as follows:

A. Questions and Answers

Question 1: Would you please let us know the technical specs of FILL-RITE FR902LRU?
Response 1: Technical specs can be found at the following website. https://www.fillrite.com/

Question 2: What's the "pulse output" read switch type?
Response 2: The switch type shall be one that works with the FILL-RITE FR902LRU dispensing unit.

Question 3: Would you please confirm that computer will be supplied by the end user?
Response 3: The computer is supplied by the end user.

Question 4: Would you please let us know why data communication protocol must follow "Veeder Root 350 and Veeder Root 450 protocols" while neither site controller nor tank level system are not from Veeder Root. Is there any TLS system existing at site?
Response 4: There currently is no existing TLS system at site. We want the ability to utilize Veeder Root TLS system and monitoring devices.

Question 5: Would you please let us know the technical specs of the existing tanks? How many probe, sensor or leak sensor would be needed for each tank?
Response 5: One probe for each tank to monitor fuel level and water detection and one leak sensor for each tank. Information regarding the tanks is as follows:

a) Diameter = 1865 mm
b) Metal thickness
    - Bottom = 4.5 mm
    - Roof = 3.5 mm
    - Shell = 3.5 mm
c) Capacity = 5,000 Litres
d) Maximum operating pressure = 7 kPa
e) Maximum operating vacuum = 300 Pa
f) Emergency Venting Capacity = 89.6 m3/min.

Question 6: As tank gauge systems (TLS) interface directly with tank gauges, would you please confirm that it is not required that software interface directly with tank gauges? And the tank gauges' data will be collected by main software through TLS.
Response 6: The type of system we are after is a console display at the tanks that has the ability to transmit the information over the network back to a central computer or the site controller. Then the site controller sends the information to the central computer.

Question 7: With reference to Annex A, COMPLIANCE MATRIX, Software, Item 1 & 3.
"On an embedded operating system..." and "... compatible with Windows 10…"

Since it seems that these two item contradict each other, would you please let us know your comment? You may need an embedded system with pre-configured software or a software which can be installed on and compatible with any computer running windows 10.
Response 7: Embedded operating system speaks to the console or automatic tank gauge. The central computer is running Windows 10.

Question 8: Since for site configuration, 4 inputs are sufficient and extra inputs cause more cost, so would you please confirm that 4 inputs are acceptable?
Response 8: Minimum number of probe and or sensor inputs to be 6. Of these 6, minimum 2 shall be for probes.

Question 9: How many FILL-RITE FR902LRU units are currently on site? Will AAFC be keeping them all?
Response 9: AAFC has two (2) existing units and will be keeping them.

Question 10: How many above or below ground tanks does the site visit have? What are the specifications of the tanks?
Response 10: AAFC has two (2) above ground tanks. Specifications are provided in amendment 002.

Question 11: Will you require a tank monitoring system for every tank?
Response 11: Yes, each tank is required to be monitored

Question 12: What types of fuel grade do you have on site?
Response 12: Our diesel is low sulphur grade #2 and gasoline with 10% ethanol.

Question 13: How many assets do you have on site and what type of monitoring do you need for each asset?
Response 13: We have 104 assets on site. No monitoring. The software must have ability to record unit number and quantity.

Question 14: Do the existing Fill-Rite units have pulsars installed or do we need to include these in our quote?
Response 14: No, the existing Fill-Rite units do not have pulsars.

Question 15: Do the Fill-Rite units require installation of Emergency Stop Buttons?
Response 15: No.

Question 16: We need clarification on the Network and Electrical services being supplied to the pedestal and tanks.

a. Underground or overhead?
b. If underground, will the client perform trenching and backfill for cable installations?
c. Are we to assume the client will provide both the materials and installation of the electrical and network cables?
d. Cat5 or wireless for network access?
e. Are we to include the final terminations/connections of the network and/or electrical services to the pedestal, VR console and existing routers/electrical panels?
f. If yes, what point/location (outside the building/inside of building/into the panels?) will the wiring be installed to?
g. Will the client be supplying and installing the required tank gauge sensor cables/wiring from the TLS console location to the tank location?

Response 16:

a. Underground.
b. AAFC will perform trenching and backfill.
c. AAFC will provide installation of electrical and network cables. Connection of network cables to supplied devices will be responsibility of the bidder.
d. Cat6.
e. AAFC will take care of electrical connections. Bidder will be responsible for all other connections required to make the fuel management and tank level systems operational.
f. Network will be supplied to the TLS console location.
g. No. The TLS console shall be mounted in a heated cabinet supplied by AAFC. The heated cabinet will be mounted on the exterior of the Fuel Shed east wall.

Question 17: We need clarification on the tank gauge requirements:

a. Confirm CSLD (Line Leak Detection) request – uncommon for aboveground installations
a. Confirm Sump alarm/monitoring request – uncommon for aboveground installations – Are there sumps on site?
a. Confirm Over Fill alarm request – is this to be on the TLS console only or is an audible/visual alarm required at tank locations?

Response 17: Page 12 of the RFP, Compliance Matrix, and Point 9 of Section "Site Controller" lists some sensors and data that are associated with underground storage tanks. Please see the amended compliance matrix in section "C" of this document.

Question 18: How many tanks will be managed with the system?
Response 18: Two (2) tanks will be managed with the system.

Question 19: How many dispense points for each fuel tank?
Response 19: There is one (1) dispense point for each tank.

Question 20: Is there a location and infrastructure (concrete surface or fuel skid) to mount a pedestal?
Response 20: There is a concrete pad.

Question 21: Is there any other make or model of dispenser/register on site that will be connected to the new Fuel Management System?
Response: 21: No, there are no other models.

Question 22: Can you provide some photos of the fuel site to evaluate where the fuel dispensers are located and what type of surface is under and near them?
Response 22: Please see **below:**

South View of Fuel Shed and Bulk Tanks

East View of Fuel Shed

Gasoline Tank

Fuel Dispenser

Fuel Pump

B. Site Visit Questions and Answers

Question 1: Is there an emergency stop system?
Response 1: Yes.

Question 2: Is there a need to track the oil?
Answer 2: No, just the fuel.

Question 3: Does the panel box in building 17 have extra room for additional breakers?
Answer 3: Yes.

C. Amended Sections

1. Refer to page 7 of the RFP, section 6.4.1 – Delivery Date:

DELETE: While delivery is requested by March 31st, 2020, the best delivery that could be offered is ____.
INSERT: While delivery is requested by **February 14th, 2020**, the best delivery that could be offered is ____.

2. Refer to page 11 of the RFP, COMPLIANCE MATRIX – MINIMUM MANDATORY PERFORMANCE SPECIFICATIONS

DELETE: In its entirety.
INSERT:
COMPLIANCE MATRIX – MINIMUM MANDATORY PERFORMANCE SPECIFICATIONS:

Requirement	Manufacturer Offered:	Model number Offered
Fuel Management System		

Item #	Performance Specification	Performance Specification Met? Must indicate either Yes/No	Cross Reference: In this column, Bidders should cross-reference where this performance specification is indicated in their supporting documents.
General Requirements			
1	System manufacturer must have a minimum of 5 years' experience in the design and manufacture of fuel management equipment.		
2	Systems must be ULc (Underwriters Laboratories of Canada approved. https://canada.ul.com/ulcstandards/		
3	System must comprise of the following:		
	a) Fuel Island Terminal;		
	b) Hardware and software required to automate data capture of fuel dispensing events;		
	c) Hardware and software required to automate tank level monitoring for 2 bulk fuel tanks.		
4	The hardware and software for data collection must be compatible with existing FILL-RITE FR902LRU dispensing units to collect volume data.		

Item #	Performance Specification	Performance Specification Met? Must indicate either Yes/No	Cross Reference: In this column, Bidders should cross-reference where this performance specification is indicated in their supporting documents.
5	System must be able to collect at a minimum the following data:		
	a) Date and Time;		
	b) User ID;		
	c) Equipment ID;		
	d) Volume of liquid dispensed.		
6	System must allow for manual activation (code entry) **and** automated (proximity card/fob) activation.		
Site Controller			
1	The site controller must be a standalone unit for control and monitoring.		
2	The site controller must be comprised of the following:		
	a) Central processing unit;		
	b) Display panel;		
	c) Pump control module;		
	d) Communication modules;		
3	Site controller must communicate with a host computer for centralized control.		
4	Site controller must have Ethernet connection capability to connect to LAN.		
5	Site controller must control a minimum of two (2) mechanical hoses in one terminal.		
6	Site controller must store a minimum of 25,000 transactions and 50,000 vehicles/devices.		
6.1	a) The site controller must have ability to set all limits and restrictions.		
7	Site controller must be capable of controlling both mechanical and electronic pumps.		

Item #	Performance Specification	Performance Specification Met? Must indicate either Yes/No	Cross Reference: In this column, Bidders should cross-reference where this performance specification is indicated in their supporting documents.
8	Controller must have reporting and alarms for Tank Level Sensing (TLS) systems that follow Veeder Root 350 and Veeder Root 450 protocols.		
9	The site controller must collect the following data from TLS equipment:		
	a) Tank inventory level		
	b) Fuel delivery information		
	c) Water levels		
	d) Temperature		
	e) Interstitial alarm and the ability to create custom alarms based on preprogrammed criteria. Alarms are created from data collection from the connected probes and sensors.		
Software			
1	Software must run on an embedded operating system for higher reliability.		
2	Software must be capable of producing reconciliation reports.		
3	Software must be compatible with Windows 10.		
4	Software must interface directly with:		
	a) The site controller;		
	b) Tank gauges;		
	c) Third party tank gauge systems		
5	Software must operate as a stand-alone windows application.		
6	Software must export data at a minimum of the following formats:		
	a) .csv		
	b) .sdf		
	c) .xls		
	d) .xml		

Item #	Performance Specification	Performance Specification Met? Must indicate either Yes/No	Cross Reference: In this column, Bidders should cross-reference where this performance specification is indicated in their supporting documents.
Tank Level Sensing (TLS) Interface			
1	The TLS must be connected to the site controller via Ethernet **or** TCP/IP communication **or** the RS-232 port to allow for fuel management capabilities.		
2	The automatic tank gauge must have inputs to monitor 2 above ground storage tanks.		
3	The automatic tank gauge must have a minimum of:		
	a) 6 probe and/or sensor inputs. Of these 6, a minimum of 2 shall be for probes.		
	b) Ethernet connection capability		
	c) A minimum 7" colour LCD display		
	d) Application software		
4	The TLS must have an alarm system that flashes continuously on the main screen and will notify operators via email or text.		
Pedestal			
1	Maximum dimensions of pedestal and cabinet together to be no larger than 66 inch H x 60 inch W x 48 inch D (Height x Width x Depth)		
2	Cabinet and pedestal to be constructed of powder-coated aluminum		
3	The pedestal shall allow front door access for maintenance and wiring		
4	Operating temperature range to be -40F to 122F (-40C to 50C)		
5	Colour graphics display to be a minimum of 7 inches.		
6	Must have alpha and numeric keypad		
7	Keypads must have illumination for night time authorizations		
8	Must have a proximity reader, with 100 encoded Key Fobs ready to be supplied.		

Item #	Performance Specification	Performance Specification Met? Must indicate either Yes/No	Cross Reference: In this column, Bidders should cross-reference where this performance specification is indicated in their supporting documents.
Warranty and Service			
1	Contractor will provide three (3) years extended on-site warranty upon expiration of the initial 12 month warranty, covering **parts, labour and travel.**		
2	One (1) technical manual in English. Electronic copy must be provided upon contract award.		
3	Response time to repair inquiries must be within 24 hours. The acceptable level of downtime for equipment repairs must be no more than 48 hours.		
4	One-day, on-site training must be provided for the operation of automatic controls and the generation of report data. Training is to be provided to four (4) maintenance staff.		

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME AND ARE IN FULL EFFECT