

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving - PWGSC / Réception des soumissions -
TPSGC
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0A1 / Noyau 0A1
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

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
Electrical & Electronics Products Division
11 Laurier St./11, rue Laurier
6B1, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

Title - Sujet FIELD POWER DISTRIBUTION SYSTEM	
Solicitation No. - N° de l'invitation W8476-134240/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client W8476-134240	Date 2013-07-09
GETS Reference No. - N° de référence de SEAG PW-\$\$HN-323-62838	
File No. - N° de dossier hn323.W8476-134240	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-07-30	
Time Zone Fuseau horaire Eastern Standard Time EST	
F.O.B. - F.A.B. Plant-Usine: <input checked="" type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Dubeau, Stéphane	Buyer Id - Id de l'acheteur hn323
Telephone No. - N° de téléphone (819) 956-1533 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified in Annex B - Basis of Payment. Précisé à l'annex B - Base de paiement	

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

Amendment 003 is issued to respond to additional questions received and extend the solicitation closing date to July 30, 2013 at 02:00 EST

1) At Annex A part 4.1.1. First Production Units and Annex B item 001 and item 002,
Suggested Delivery Schedule

Delete: within sixty (60) days

Insert: within ninety (90) days

2) Answers to the questions received:

Question 9 Please confirm that the drawings still call out BIW/Draka type W cable is the only acceptable cable? The print posted on Buy and Sell is illegible

Answer 9 Type W cable insulation is the acceptable cable.

Question 10 Please confirm that Hubbell connectors are the only acceptable connectors for the cables. Our copies of the DND parts drawings are several years old

Answer 10 Hubbell pin & sleeve cable connector or equivalent approved connector are acceptable.

Question 11 Do GFCI receptacles require open neutral detection?

Answer 11 GFCI receptacle require open neutral detection.

Question 12 Do non-GFCI receptacles require power-on indicator like the GFCI receptacles?

Answer 12 It is not necessary to have power on indication light for outlet non-GFCI receptacles.

Question 13 Duplex or single receptacles?

Answer 13 Duplex receptacles.

Question 14 What is the Ground clearance requirement to lowest receptacle?

Answer 14 Ground clearance to the lowest receptacle 14 inches minimum.

Question 15 Is 60A (thru) receptacle considered a receptacle- does it need protection?

Answer 15 The 60A power pass through receptacle doesn't need circuit breaker for protection.

Question 16 Is there a requirement for a 60A input breaker?

Answer 16 The 60A input circuit breaker is needed.

Question 17 Page 42 of the RFP section 3.3.2.2 Transient Drop states that the FPDS SDR-IK shall successfully pass drop testing as per ASTM D5276-2009 procedure A2.2.3 from a height of 48 inches. The ASTM standard quoted requires a four-cycle test, or dropping the unit four(4) times.

It then states that the PDB shall be tested to the drop test in accordance with ASTM D5276-2009 procedure A2.2.4 from a height of 48 inches. The ASTM standard quoted here requires a twenty-six-cycle test, or dropping the unit twenty-six(26) times.

We suggest the fact that the normal risk to damage in the field would be from dropping the FPDS SDR-IK from 48 inches (ie. dropped from the back of a truck) versus dropping the PDB after being unpacked from the FPDS SDR-IK. The SDR-IK will be far more likely to suffer these conditions than the PDB.

We ask that the crown revise (or reorder) these requirements to fall in line with the normal expected conditions in the operational environment.

Answer 17

No change or revision will be made to the requirement as stated at Page 42 of the RFP section 3.3.2.2 Transient Drop. There is the possibility that the user will drop the PDB, from the back of the truck as well as the SDR-IK complete.

Question 18 Is CSA certification required on the cable assemblies described in 3.2.2.1?

Answer 18 CSA certification is not required for the cable assemblies.

Question 19 Section 3.2.1 8b states the requirement to have Ground Rod Assembly, specifically NSN 5975-00-878-3791. This NSN calls for a #6 AWG grounding cable, but Section 3.2.1 8b goes on to specify #4 AWG. Please clarify which gauge to provide.

Answer 19 #4 AWG grounding cable is required.

Question 20 The Ground Rod Assembly NSN specified in 3.2.1 8b does not say which type of Ground Rod Assembly is required. The NSN describes several different types of Ground Rod Assemblies. We believe Canada would require Type III B (sectional rod with hardware and wire). Is that correct?

Answer 20 Type III B (sectional rod with hardware and wire) is the correct requirement.

Question 21 Your RFP states that the winning bidder will only have 60 days to obtain CSA approval before you terminate the contract. Notwithstanding that 60 days is a very short time to conduct all of the required testing and obtain CSA approval, we have discussed your requirements with CSA and they have advised us that it will be very difficult to obtain CSA approval using a tethered cap on a male connector.

With this in mind, please advise what is the longest time that DND will accept to obtain CSA approval before terminating the contract ?

Answer 21 Please amend item 001 & 002 of ANNEX B to read 90 days for the delivery of First Production Unit (FPU).

Question 22 Can you please provide the drawings for the W15 cable ?

Answer 22 Presently there is no drawing available for the W15 Cable Assembly. The W15 Cable shall comply with the following specifications:

Length: 5000 mm

Nominal Current: 60A, 3 phase

Cable Type / Number of Conductors / AWG: Type W cable / 5 conductor / #4 AWG cable

Connector 1: Type 560C9W, NSN: 5935-20-000-1060

Connector 2: Solder Dip Bare Wire.

Question 23 Can the wire be any type W wire ?

Answer 23 Any Type W wire is acceptable.

Question 24 The drawings already provided indicate pin and sleeve connectors. Will DND accept any type of pin and sleeve connector or is there a specific connector that you are looking for ?

Answer 24 Pin and sleeve connector that meets the Form, Fit, Function and the performance specification specified in the drawing will be acceptable substitute for the connectors specified in the drawing.

Question 25 In order to follow good Human Engineering principles and to protect the components of the PDB from damage when in service, it would be advantageous for Canada to require that the PDB have mechanical protection for the 60A inlet, 60A outlet and 5-20R distribution outlets. This mechanical protection could take the form of a protective lip or protrusion from the PDB housing that extends beyond the outermost point of the inlets and outlets and thus provides impact protection. Canada could consider adding the following

requirement to Annex A, Section 3.2.1 (2) Enclosure: "The PDB enclosure shall have mechanical protection for the 60A inlet and 60A and 20A outlets."

answer

Answer 25 The PDB shall be robust in the design & built to withstand the drop test as specified in SOW Annex A

Question 26 3.2.1 7(c) of the SOW calls for GFCI protection on the 20A distribution outlets. It does not however, specify the level of GFCI protection required. GFCI protection can be built for a fixed application (such as a wall outlet) or for a portable application (such as the PDB). Both technologies are widely available as COTS components. Fixed GFCI receptacles (and GFCI breakers) have operational limitations when used in a portable application that dramatically increases the danger to an operator. Fixed GFCI receptacles and GFCI breakers do not provide protection against 'open neutral' and 'reverse phase' situations. These two types of situations can be very dangerous and can present themselves quite easily in this FPDS application. 'Open neutral' situations can arise if the neutral wire on the input cord is not functioning (due to damage or to improper connection of the pigtails to the generator), creating a need for an electrical fault to find another path to ground. 'Reverse phase' situations occur when the input cord is wired incorrectly or connected to the generator incorrectly such that the phases of electricity are flowing incorrectly, which could cause great danger to the operator. GFCIs designed for fixed applications do not sense these issues, whereas GFCIs designed for portable applications do. As such, we would recommend the SOW be amended by adding the following as the second sentence in Section 3.2.1 7(c):

a. "The GFCI devices shall also provide protection for 'open neutral' and 'reverse phase' situations."

Answer 26 The GFCI sensitivity level shall be between 100 mA to 30 mA. DND will accept the bidder proposed amendment to SOW as specified "The GFCI devices shall also provide protection for 'open neutral' and 'reverse phase' situations"

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.