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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

Vendor/Firm Name and Address
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Issuing Office - Bureau de distribution
Saint John, NB (STJ)
189 Prince William St., Rm 405
189, rue Prince William, Pc 405
St. John, NB E2L 2B9

Title - Sujet DGPS Tower-Point Escuminac&Red Head	
Solicitation No. - N° de l'invitation F6839-175504/A	**Amendment No. - N° modif.** 003
Client Reference No. - N° de référence du client F6839-175504	**Date** 2017-05-12
GETS Reference No. - N° de référence de SEAG PW-$STJ-004-4118	
File No. - N° de dossier STJ-7-40007 (004)	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à 02:00 PM** **on - le 2017-05-18**	**Time Zone** **Fuseau horaire** Atlantic Daylight Saving Time ADT
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☑ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Johnston (STJ), Edward	**Buyer Id - Id de l'acheteur** stj004
Telephone No. - N° de téléphone (506) 636-4416 ( )	**FAX No. - N° de FAX** (506) 636-4376
Destination - of Goods, Services, and Construction: **Destination - des biens, services et construction:**	

Instructions: See Herein

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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

Cette modification de l'invitation numéro 3 est soumise et comprend la modification numéro 3 suivante.

La modification qui suit apportée aux documents de demande de proposition entre en vigueur dès maintenant. L'addenda fera partie des documents de contrat.

Toutes autres conditions ne changent pas.

Modification numéro 3

QUESTION ET REPONSE

Q3. Section 011100 Item 1.1 requires scope to include a transformer. Do we also include factory painting and lighting materials (Obstruction marking) for these two towers? If a lighting system is required, is it a white only or a dual red-white system?

R3. No lighting system/paint marking required as per Transport Canada review.

Q4. Section 0133613 item 3.1.4: S37-13 ice thickness is 26 mm for one site and 30 mm for the other. Please confirm that you want 35 mm radial ice used for both towers.

R4. Confirm 35 mm radial ice for both towers.

Q5: Section 0133613 item 3.1.8: Please confirm that a tower with welded sections is not acceptable.

R5: "All-welded" tower sections and welded round leg members are not acceptable.

Q6: Section 0133613 item 2.2.2 Ladder: The sample drawings supplied have an integral (step horizontals on one face). Please confirm that you want a distinct separate ladder cantilevered off the tower face (bolted to the tower mast).

R6: Ladder design as per Section 0133613, item 2.2.2 Ladder.

Q7: Prior towers used structural galvanized steel bridge or guy strands for the top loading elements due to strength requirements. Is it acceptable to use galvanized steel bridge or guy strand in place of the specified phosphorus bronze cables? If not, please advise on source for high strength (±50,000 pounds break strength) phosphorus bronze cable and associated structural terminations. We have been able to find only small diameters of PH bronze cables.

R7: The use of galvanized high strength steel bridge or guy strand in place of the specified phosphorus bronze cables is acceptable.

Q8: Please provide the details of the demarcation point on the feed side of the antenna system. Do we have to account for a trench? If yes, provide layout, details, and conduits if required.

R8: Location of tower as shown in site plan is approximate. Exact location to be provided following tender award. Cable will be direct burial. For purposes of bidding assume 50 Meters.

Q9: Drawing MM293-040-GS Sheet 1/1 indicates « Notes: Coast Guard will supply all grounding materials except silver solder. » Please confirm.

R9: All required grounding materials to be supplied & installed by Contractor.

Q10: Drawing TB12-REFNUM indicates an existing utility line to be relocated (Note 7). Who is responsible for a) the coordination of the relocation of the line and b) the costs for the relocation of the line?

R10: All coordination and costs related to relocation of existing utility line to be Owner responsibility.

Q11: We are assuming that the 34m tower height specified in section 011100 is to be the length of tower mast above the top of the base insulator. Please confirm or correct.
CCG Drawing MM293-041-AL Sheet 1/1 shows a ”113 ft. Tower” with what seems to be a reference to above grade. Hence the confusion. For height above grade, unless CCG advises otherwise, we will use 34m + 2.5m = ±36.5m. The 2.5m +/- is composed of the height above grade to the top of concrete pier (1.5m) plus the 0.5m +/- height of base insulator to be placed on the top of concrete. Please confirm or correct.

R11: The 34m is the length of the antenna and therefore the 113ft tower height should be considered to start at the top of the insulator.

Q12: Drawing MM293-0410-AL shows one single guy level atop the tower. For sake of clarity, this is called scenario a.
Drawing C-33748 (provided as a specimen) shows a top guy level (part of the antenna system but which also has a structural function) and an insulated bottom guy level which has only a structural function. Similarly, this is called scenario b.

Is it acceptable to have a guy level below the top guy level such as in scenario b? The reason for the question is that the Austin guyed tower base insulators have a shear limit of about 6 % of the downward load and with guys only at the top of the tower (as in scenario a) this limit is exceeded significantly.

R12: There is no limit on the number of structural guy wires (as long as they are properly insulated from the structure) only the top guy wire is shown in drawing MM293-0410-AL as that is a diagram of the functioning antenna system.

Q13: Section 011100, 1.1 Description of work. It states (underlying by the undersignee):
(First sentence)
« The work covered under this specification consists of design, fabrication, supply of two new DGPS Tower Systems, and the installation of one system at Point Escuminac, NB. »
(First bullet point)
« - Engineering design, supply and installation of a 34.0m guyed DGPS tower structure, guys, guy hardware, foundations and anchors, guy curtain, radial ground system, tuning unit and all other materials required to meet the terms of this contract. »
(8th bullet point)
« - Transportation of all materials and equipment to the sites. (the second tower is to be shipped to Dartmouth, NS.) »
What are we supposed to do with the geotechnical reports provided for the Red Head, NB site? Please clarify the scope.

R13: Scope is to design and supply 2 complete tower systems, and install only the one at Point Escuminac. This would include the design and supply of foundation components for the conditions described in the Red head geotechnical report (headplate, anchor shafts, rock anchor weldments etc) if deadman anchors are to be used the supply would be limited to the headplate and shafts. Contractor shall supply for the Red Head site all above grade components of the structure. All of the grounding materials, tuning equipment etc. are to be part of the installation phase, not included in this tender.

Q14: Section 011100, 1.3.4 states (concerning the tower to be delivered in Dartmouth, NS): « Contractor to transport, deliver and unpack onsite. ».
Please clarify the word « unpack ». Does it mean unloading or we have to account for unpacking all crates for inventory purposes?

R14: The tower manufacturer's responsibility will be the delivery and coordination of truck unloading and placement of the crated components in the Canadian Coast Guard warehouse.

Q15: Please provide us with Appendix F (photos). It is part of the table of contents in the specifications but it is not available on the website.

R15: Appendix F provided and attached.

Q16: What are the requirements for the dimensions of the fence? Is gate required for vehicle or just man gate?

R16: Contractor to supply and install fenced compound in accordance with Section 322831. For bidding purposes, security fence around the base of the tower to be minimum 14M X 14M X 3M high with a double gate to allow vehicle entrance c/w integrated man gate. Fence material are to be commercial heavy duty. All fence posts are to be grounded.

Q17: Site drawing makes reference to shed being removed and electronics building extended and generator, fog alarm and DGPS equipment relocated. I assume this is all by others?

R17: Yes, this works to be completed by others.

Q18: Is it possible to get one drawing showing grounding system required?

R18: Typical grounding detail drawings provided in Appendix H.

Point Escuminac CCG Site – Existing DGPS tower Upper Left

Point Escuminac – Existing DGPS Tower