



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

**Bid Receiving Public Works and Government
Services Canada/Réception des soumissions Travaux
publics et Services gouvernementaux Canada**
1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
Halifax
Nova Scotia
B3J 1T3
Bid Fax: (902) 496-5016

**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
Atlantic Region Acquisitions/Région de l'Atlantique
Acquisitions
1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
Halifax
Nova Scot
B3J 1T3

Title - Sujet Marine Fenders - CFB Halifax	
Solicitation No. - N° de l'invitation W010C-190176/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client W010C-19-0176	Date 2019-02-27
GETS Reference No. - N° de référence de SEAG PW-\$HAL-409-10653	
File No. - N° de dossier HAL-8-81237 (409)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-03-07	
Time Zone Fuseau horaire Atlantic Standard Time AST	
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: Taylor, Kathie	Buyer Id - Id de l'acheteur hal409
Telephone No. - N° de téléphone (902) 403-4837 ()	FAX No. - N° de FAX (902) 496-5016
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

Solicitation No. - N° de l'invitation
W010C-190176/A
Client Ref. No. - N° de réf. du client
W010C-19-0176

Amd. No. - N° de la modif.
01
File No. - N° du dossier

Buyer ID - Id de l'acheteur
hal409
CCC No./N° CCC - FMS No./N° VME

Solicitation Amendment #01

I. The following questions have been posed by industry:

- 1) 2.3.6.1 – calls for energy absorption : min 400 kNm 300ft-kips

Q1. Is it a rated energy or the min energy? As foam fender comes with -15% tolerance on energy, so if its min energy, does this mean Rated energy requirement is 400+15% i.e. 460kNm or its rated energy value 400kNm -15% tolerance i.e. 340kNm minimum?

R1: Stated requirement is the rated energy absorption at 60% deflection on the performance curve of Energy Absorption vs Percent Compression for the fender.

- 2) 2.3.6.2 – calls for Reaction force at 60% deflection : Min 800 kN and Max 955.

Q2. as per the fender industry norms, fender is specified with only Max limit on reaction but not the minimum. So if 955kN is max limit, does this mean Rated reaction is 955-15% i.e. 811kN?

R2: The maximum rated reaction force at 60% deflection is 955 kN (215 kips).

Q3. As RPD data requirement is not clear, we request to provide RPD value of E and R with 15% tolerance (i.e. -15% on energy and +15% on reaction)

R3: Answers have been provided to Q1 and Q2 to clarify the RPD requirement.

Q.4. please provide the product which has been used as reference to base the specs along with its RPD so that we can provide equivalent alternative.

R4: This is a performance based specification. As such, there are multiple fender manufacturers that will meet the specification. It is the bidder's responsibility to research and supply a fender that will meet the performance requirements of the specification

- 3) 2.3.6.3 – calls for performance at 60% rated deflection with Energy absorption of 300kNm plus 15%, (it should be -15%), with Reaction force of 712kN +15%.

Q5. the above contradicts with the performance specified in 2.3.6.1 and 2.3.6.2. Please confirm the correct performance requirement with RPD value.

R5: 2.3.6.3 to be written as follows: The resilient, foam filled marine fenders shall be designed so that when compressed across its diameter by two parallel flat plates extending the full length and width of the fender, the fender shall absorb 400,000 N-m (295,025 ft-lbs) of energy plus 15 % when 60 % compressed (i.e. to a dimension of 40 % of its original diameter) with a corresponding load of not more than 955,000 N (214,690 lbs) plus 15 %. The fender shall also be designed to withstand a sustained reaction force of 907,250 N (203,960 lbs) for a duration of not less than 24 hours each occurrence for at least 200 occurrences during its 10-year predicted life.

Solicitation No. - N° de l'invitation
W010C-190176/A
Client Ref. No. - N° de réf. du client
W010C-19-0176

Amd. No. - N° de la modif.
01
File No. - N° du dossier

Buyer ID - Id de l'acheteur
hal409
CCC No./N° CCC - FMS No./N° VME

Q6. PIANC2002 calls for Type Approval Cert only for Rubber Fenders and not for the Floating Fenders. Also a Type Approval for Fender does not guarantee that a product produced will meet the project specific performance requirement, and hence our suggestion would be that department will be better served with a project specific testing and inspection carried by 3rd party agency such as ABS or GL/DNV or BV confirming that fender meets material and performance specs as per DND specification. Will you consider this as acceptable?

R6: PIANC2002 Type Examination Certificates are available for floating foam fenders. Manufacturer is not required to test the actual fenders to be supplied under this specification

II. For further clarification, Annex A, Part 2, has been revised as follows:

At Para 2.3.6.2:

Delete: in its entirety

Insert: 2.3.6.2 Reaction force at 60% deflection: Maximum 955 KN (215 kips).

At Para 2.3.6.3:

Delete: in its entirety

Insert: 2.3.6.3 The resilient, foam filled marine fenders shall be designed so that when compressed across its diameter by two parallel flat plates extending the full length and width of the fender, the fender shall absorb 400,000 N-m (295,025 ft-lbs) of energy plus 15 % when 60 % compressed (i.e. to a dimension of 40 % of its original diameter) with a corresponding load of not more than 955,000 N (214,690 lbs) plus 15 %. The fender shall also be designed to withstand a sustained reaction force of 907,250 N (203,960 lbs) for a duration of not less than 24 hours each occurrence for at least 200 occurrences during its 10-year predicted life.

All other terms and conditions remain unchanged.