



Materiel and Procurement Services
200 Kent Street, Station 9W067
Ottawa, Ontario
K1A 0E6

FP802-170152

November 2, 2017

Subject: Invitation to Tender: FP802-170152

Title: Egg Island Tower Replacement

Work site location: Vancouver, BC

ADDENDUM: No. 3

Further to the above mentioned Invitation to Tender documentation previously posted on the Government Electronic Tendering Site (GETS), BuyandSell.gc.ca, Addendum (#3) is hereby issued.

****PLEASE NOTE THE FOLLOWING CHANGES TO THIS SOLICITATION****

In « SPECIFICATIONS » (FP802-170152_ Egg Island Lightstation Tower Replacement, Vancouver, BC specifications_.pdf), Section 01 11 00-**Summary of Work Part 3; Execution.**

Delete:

1.1 DEADLINE

- .1 Tower fabrication design must be completed prior to September 1, 2017
- .2 All construction materials to be mobilized to site by DFO including tower and associated equipment, to be supplied by Contractor by September 11, 2017
 - .1 Alternate material transport requests or drop off locations will be reviewed by Departmental Representative, but are not guaranteed.
 - .2 All other aspects of the project must be completed before October 1, 2017

Insert:

3.1 DEADLINE

- .1 Tower fabrication design must be completed prior to December 1, 2017



- .2 All construction materials to be mobilized to site by DFO including tower and associated equipment, to be supplied by Contractor by December 11, 2017
 - .1 Alternate material transport requests or drop off locations will be reviewed by Departmental Representative, but are not guaranteed.
 - .2 All other aspects of the project must be completed before March 31, 2018

Delete in its entirety

Section 13 36 13.13

3.4 ANTI-CLIMBERS

1. The tower shall include one (1) set of anti-climb panels.
2. The anti-climb panels each will have a barrier panel internal to the tower at the top, bottom or mid-level to prevent access.
3. The anti-climb shall be hinged on the climbing face.
4. Panels shall be hinged on one vertical side, with a combined latching mechanism.

***Please add:**

See attached figures (1-5) at the end of this document.

Delete:

In « SPECIFICATIONS » (FP802-170152_ Egg Island Lightstation Tower Replacement, Vancouver, BC specifications_.pdf), Section 01 11 00-**Work Covered by Contract Documents.**

1.6 WORK COVERED BY CONTRACT DOCUMENTS

- .1 Schedule of Quantities
 - .1 Work of this Contract comprises design, supply and installation of an 80ft tall self-supported light tower at the DFO site on Egg Island. Work includes but is not limited to:
 - .5 Design, supply and installation of antennas and lighting system
 - .6 Design, supply and installation of a new grounding system

Insert:

In « SPECIFICATIONS » (FP802-170152_ Egg Island Lightstation Tower Replacement, Vancouver, BC specifications_.pdf), Section 13 36 13.13-**Design Requirements.**

1.6 WORK COVERED BY CONTRACT DOCUMENTS

- .1 Schedule of Quantities



.1 Work of this Contract comprises design, supply and installation of an 80ft tall self-supported light tower at the DFO site on Egg Island. Work includes but is not limited to:

- .5 Design, supply and installation of antennas
- .6 Installation of lighting system
- .7 Design, supply and installation of a new grounding system

Delete:

In « SPECIFICATIONS » (FP802-170152-Egg Island Lightstation Tower Replacement, Vancouver, BC specifications_.pdf), Section 13 36 13.13-**Design Requirement.**

.7 The operational requirement for maximum twist is 0.05 degrees and for maximum tilt is 0.5 degrees.

Insert:

In « SPECIFICATIONS » (FP802-170152- Egg Island Lightstation Tower Replacement, Vancouver, BC specifications_.pdf), Section 13 36 13.13-**Design Requirement.**

.7 The operational requirement for maximum twist is 0.5 degrees and for maximum tilt is 0.5 degrees.

Delete: Appendix C-Tower Specification

Tower Twist 0.05 DEG

Insert: Appendix C-Tower Specification

Tower Twist 0.5 DEG

Delete in its entirety

Section 01 14 00 – Work Restrictions, Clause 1.5.5.5

The cost is \$20.00 per person per night payable to the Light Station staff if residing in the principal dwelling. This does include meals.

QUESTIONS and ANSWERS

Question 1:

Would you also be able to provide the Transport Canada and Nav Canada evaluation forms?

Answer 1:

With regards to Transport Canada, the tower at Egg Island does not meet any of the requirements for submitting their form for the towers evaluation.

With regards to Nav Canada, the tower is an aid to marine navigation and there is no requirement to mark the tower for any Nav Canada regulations.



Question 2:

Is an anti-climb required? Appendix C states NO and Section 13 36.13.13 Clause 3.4.1 states YES. Please clarify.

Answer 2:

Anti-climb is not required.

Question 3:

With regards to the light and electrical specifications, what is required from us?

Answer 3:

The light has been purchased by CCG and it is a Tideland TRB 400 Marine Navigation Aid Light.

Question 4:

What first aid is required from us?

Answer 4:

It is required that you provide a first aid procedure along with having employees on site with first aid.

Question 5:

Is it possible to use a concrete ballast base instead of rock anchors?

Answer 5:

Either will be acceptable as long as it meets the requirements.

Question 6:

With regards to the use of a barge, can a barge be used to bring materials onto site?

Answer 6:

A barge can potentially be used but may be difficult.

Question 7:

Is the crew house available?

Answer 7:

Yes but schedule in advance with the Departmental Representative.

Question 8:

Please clarify dates and scope of Section 13 36 13.13, Clause 1.3.1.3. We have to design, supply and install a bridge from tower to shelter. Is the specification refers to the existing shelter of the nearby tower, or another building on station?

Answer 8:

The shelter refers to the existing shelter of the current tower.

Question 9:

What are the weight restrictions and dimensions of the bridge from the helipad?

Answer 9:

Please see Drawing 15418 Egg Island Bridge Plan and Profile.

Question 10:

Would you please advise who is responsible for the helicopter cost?



Answer 10:

The Contractor is responsible for the helicopter cost.

Question 11:

Do we demolish the equipment shelter under the existing tower and/or the round one beside the existing tower and removed out of the island?

Answer 11:

The round building will be decommissioned prior to construction on the new tower. The aluminum building will be left as is.

Question 12:

Dismantled existing tower will be removed out of the island?

Answer 12:

Yes.

Question 13:

The demolished existing concrete foundation will be removed out of the island too?

Answer 13:

Yes.

Question 14:

Are taking demolish the existing right after the new tower in service or we have to come back in another trip?

Answer 14:

Right after new tower is in service.

Question 15:

We will install a CCG supplied light. Will CCG will connect the lighting or we will provide an electrician to do that?

Answer 15:

No. CCG will connect the light but Contractor is responsible for installation on tower.

Question 16:

What type of grounding system CCG requires for this site? Does CCG have a spec?

Answer 16:

Please see Section 26 55 36 Grounding.

Question 17:

Would CCG specify the model and manufacture of the 4th SAT dish so we can find the cost?

Answer 17:

This is a future requirement therefore no need to include in bid.

Question 18:

I would also like to ask if there is any equipment (tractor or backhoe) on site that could be used for excavation work?



Answer 18:

No there is no equipment available on site.

Question 19:

Please provide details for the marine navigation aid light shown on dwg 15450. Is it a typical lighting beacon or a specific lighting system.

Answer 19:

Please see response to Question 3.

Question 20:

The 0.05 degrees maximum twist (indicated on dwg 15450 and in Section 13 36 13.13) appears to be quite stringent from a structural standpoint and the intended use of the tower. Please confirm back this twist requirement.

Answer 20:

The maximum twist is 0.5 degrees, not 0.05 degrees.



Figure 1: Egg Island

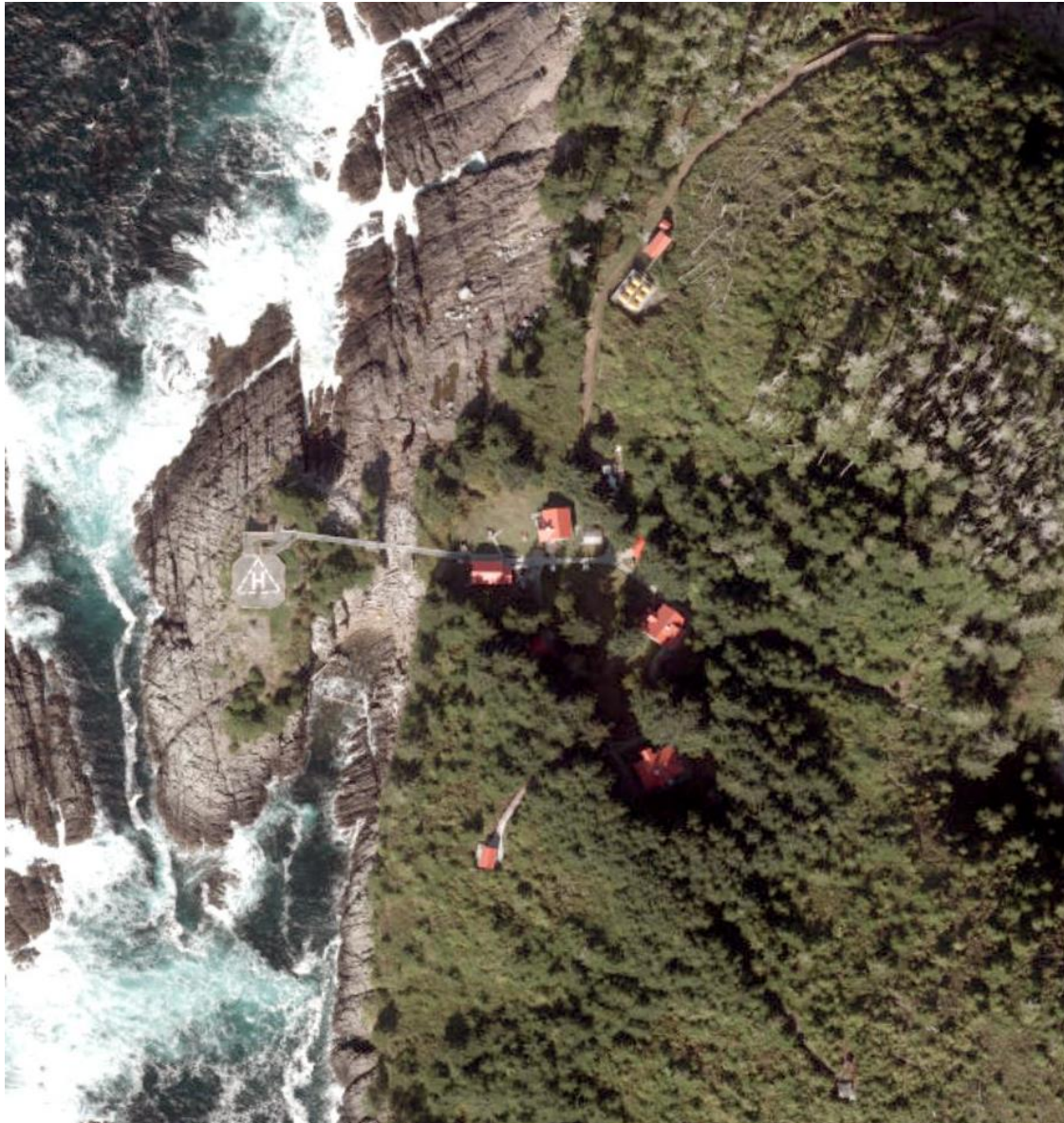


Figure 2: Egg Island Light Station



Figure 3: Egg Island Light Tower



Figure 4: Temporary Box for Existing Tower



Figure 5: Fibreglass Building



All other Terms and Conditions for this requirement remain unchanged.

Tenderers are to acknowledge this Addendum by signing in the space provided below and enclosing a copy of this document with their tender submission.

Yours truly,

Natasha Blackstein

Senior Contracting Officer

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E-mail: Natasha.Blackstein@dfo-mpo.gc.ca

RECEIPT ACKNOWLEDGED

Name of Company _____

Signature _____

Canada