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ANNEX "C"

Medium Plastic Coastal/Harbour Buoys

Canadian Coast Guard
Evaluation Framework

Canada

Document Control

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Table of Contents

List of Tables

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Chapter 1 INTRODUCTION

The Canadian Coast Guard (CCG) has initiated a competitive process for awarding Standing Offers to one or several qualified suppliers for a Medium Plastic Coastal/Harbour Buoy for aids to navigation.

Proposals will be evaluated in accordance with the evaluation framework described in this document.

1.1 DOCUMENTS

The following three documents form the baseline against which the proposals will be evaluated:

1) *Medium Plastic Coastal/Harbour Buoys — Request for Standing Offer*-58-013-000-GA-GA-001

2) *Medium Plastic Coastal/Harbour Buoys — Performance Specification*, 2013-06, 58-013-000-GU-GJ-001

3) *Medium Plastic Coastal/Harbour Buoys — Statement of Work*, 2013-06, 58-013-000-EK-SW-001

Chapter 2 OVERVIEW OF THE EVALUATION PROCESS

The following five-step process has been established for evaluating proposals:

1) Public Works and Government Services Canada (PWGSC) will examine proposals to determine whether the proposals are complete and meet the mandatory requirements of the Request for Standing Offer (RFSO). Failure to meet any of the mandatory requirements of the RFSO will result in the proposal being declared non-responsive, and PWGSC will not give it any further consideration.

2) PWGSC will forward the technical proposals to the Technical Authority for evaluation. PWGSC will retain the price proposals, as they are responsible for the assessment of financial data.

3) The evaluation team will review the technical proposals for compliance with the technical criteria of the ***Technical Performance Specification*** and of the Statement of Work (SOW). Failure to meet any of the mandatory requirements of the Performance Specification or the SOW will result in the proposal being declared non-responsive, and it will not receive any further consideration. See Chapter 3 for more information on meeting mandatory criteria.

4) The evaluation team will use the rated criteria to assess the technical proposal and assign a technical score to it. See Chapter 5 for more information on meeting rated criteria.

5) Proposal price is determined by multiplying the unit price quoted by the number of buoys specified in the SOW and adding to that amount the price quoted for the Recommended List of Spare Parts (RLSP). The ***cost per point*** will be determined by dividing the proposal price by the total technical score. The proposal with the lowest cost per point will be recommended for award of a Standing Offer.

Chapter 3 MANDATORY CRITERIA

To demonstrate that they have met the mandatory technical criteria, bidders are required to provide, as a minimum, the following:

- A clear statement of compliance with all the "shall", "will" and "must" statements in the Statement of Work;
- A clear statement of compliance with all the "shall", "will" and "must" statements in the Performance Specification;
- The evidence required to verify compliance with the Annex A.2.1 /A.2.2 of *Medium Plastic Coastal/Harbour Buoys — Performance Specification;*
- The evidence that they meet all the mandatory criteria of the RFSO; and
- A clear statement indicating where within the bid proposal, the section, page number and paragraph, the information required for meeting compliancy is found.

All bid proposals are to be received in two formats, and two copies of each are required.

1) Hard Copy.
2) DVD or CD containing a PDF format of the proposal.

Chapter 4 SELECTION METHODOLOGY

Proposals meeting all the mandatory criteria will be assessed for compliance with the rated criteria shown in

Table 1: Mandatory Buoy Requirements Criteria

	Criterion	Reference	Verification Me
1	Minimum / Maximum Hull Diameter (W)	A.2.1.1	SD
2	Maximum Buoy Height (H)	A.2.1.2	SD
2	Buoy Weight Range	A.2.1.3	SD
3	Maximum Buoy Draft (Hs)	A.2.1.4	SD
4	Threaded lantern supports	A.2.1.7	SD
5	Minimum Visual Range [at min Rb]	A.2.1.10	SD
6	Minimum Radar Range	A.2.1.11	STD
7	Minimum Radar Cross Sectional Area	A.2.1.12	STD
8	Minimum Number of Lifting Lugs	A.2.1.18	SD
9	Minimum Number of Mooring lugs	A.2.1.20	SD
10	Lifting Eye Safe Working Load (range) (SWL >=5)	A.2.1.23	SD
11	Lifting Assembly Break Load	A.2.1.24	SD
12	Mooring Eye Break Load	A.2.1.25	SD
13	Minimum Mooring Lug Internal Diameter	A.2.1.26	SD
14	Minimum Lifting Lug Internal Diameter	A.2.1.27	SD
15	Internal/ External Ballast	2.3.5.1	SD
16	Colour Compliance to IALA 108-E	2.3.6.2	STD
18	Lantern Mounting	2.2.5.5	SD
19	Mooring Attachment Point	2.3.4.4	SD
20	Lifting Attachment Points	2.3.4.5	SD
21	Abrasion Resistance	2.2.2.16	STD

Table in Chapter 5 below.

The technical score is the sum of the scores assigned to the individual rated criteria; the maximum possible score is **75**.

The total technical score of the successful **Bidder** must equal or exceed **60**.

The proposal price is divided by the total technical score to determine cost per point. The proposal with the lowest cost per point will be recommended for award of the Standing Offer.

Chapter 5 RATING METHODOLOGY

The bid will be based on the following rating methodology divided into parts, Mandatory and Rated requirements. The Mandatory Buoy Requirements **must be met** for the buoy to be considered as part of the bid. Once the Mandatory requirements have been met the buoy will be further rated in accordance with the Verification Method. The first part deals with the type of Verification Method required by the CCG to validate that the criteria has been met and the second part deals with the rating given to the data supplied. Although all the criteria are required to be met only some will be rated.

5.1 VERIFICATION METHOD

The following will detail the types of verification method used by the bidders to comply with the Technical Specification.

Statement of Conformance (SOC): Verbal acknowledgement that this requirement has been met.

Submit Data (SD): Provide Engineering Drawings or Calculations to validate that this requirement has been met.

Submit Test Data (STD): Provide test data from an independent laboratory via an ***Industry Standard Test*** to validate that this requirement has been met.

5.2 RATING CRITERIA

The criteria are shown in

Table 1: Mandatory Buoy Requirements Criteria

	Criterion	Reference	Verification Method	Met/Not Met
1	Minimum / Maximum Hull Diameter (W)	A.2.1.1	SD	
2	Maximum Buoy Height (H)	A.2.1.2	SD	
2	Buoy Weight Range	A.2.1.3	SD	
3	Maximum Buoy Draft (Hs)	A.2.1.4	SD	
4	Threaded lantern supports	A.2.1.7	SD	
5	Minimum Visual Range [at min Rb]	A.2.1.10	SD	

6	Minimum Radar Range	A.2.1.11	STD	
7	Minimum Radar Cross Sectional Area	A.2.1.12	STD	
8	Minimum Number of Lifting Lugs	A.2.1.18	SD	
9	Minimum Number of Mooring lugs	A.2.1.20	SD	
10	Lifting Eye Safe Working Load (range) (SWL >=5)	A.2.1.23	SD	
11	Lifting Assembly Break Load	A.2.1.24	SD	
12	Mooring Eye Break Load	A.2.1.25	SD	
13	Minimum Mooring Lug Internal Diameter	A.2.1.26	SD	
14	Minimum Lifting Lug Internal Diameter	A.2.1.27	SD	
15	Internal/ External Ballast	2.3.5.1	SD	
16	Colour Compliance to IALA 108-E	2.3.6.2	STD	
18	Lantern Mounting	2.2.5.5	SD	
19	Mooring Attachment Point	2.3.4.4	SD	
20	Lifting Attachment Points	2.3.4.5	SD	
21	Abrasion Resistance	2.2.2.16	STD	

Table below outlines what type of Verification Method is to be provided with the bid proposal. This verification method together with the assigned weighting will determine the maximum score for each rated criterion.

Note: To make it possible to assess corporate experience, the Bidder should include in his or her proposal information related to the number of buoys the manufacturer has developed, the number of years the manufacturer has been manufacturing buoys, and a list of the major clients to whom the bidder or manufacturer has provided in-service support in recent years. The information should be complete and be in a form that enables validation. It should also contain contact information for references who can confirm the accuracy of the information. The bidder should also include information regarding two key components of their organisation, namely the engineering and the quality assurance departments. To that mater, information on the number of employees of each department

will be provided as well as a description of overall quality-control program (with examples of corrective measures initiated in the past where necessary).

Table 1: Mandatory Buoy Requirements Criteria

	Criterion	Reference	Verification Method	Met/Not Met
1	Minimum / Maximum Hull Diameter (W)	A.2.1.1	SD	
2	Maximum Buoy Height (H)	A.2.1.2	SD	
2	Buoy Weight Range	A.2.1.3	SD	
3	Maximum Buoy Draft (Hs)	A.2.1.4	SD	
4	Threaded lantern supports	A.2.1.7	SD	
5	Minimum Visual Range [at min Rb]	A.2.1.10	SD	
6	Minimum Radar Range	A.2.1.11	STD	
7	Minimum Radar Cross Sectional Area	A.2.1.12	STD	
8	Minimum Number of Lifting Lugs	A.2.1.18	SD	
9	Minimum Number of Mooring lugs	A.2.1.20	SD	
10	Lifting Eye Safe Working Load (range) (SWL >=5)	A.2.1.23	SD	
11	Lifting Assembly Break Load	A.2.1.24	SD	
12	Mooring Eye Break Load	A.2.1.25	SD	
13	Minimum Mooring Lug Internal Diameter	A.2.1.26	SD	
14	Minimum Lifting Lug Internal Diameter	A.2.1.27	SD	
15	Internal/ External Ballast	2.3.5.1	SD	
16	Colour Compliance to IALA 108-E	2.3.6.2	STD	
18	Lantern Mounting	2.2.5.5	SD	
19	Mooring Attachment Point	2.3.4.4	SD	
20	Lifting Attachment Points	2.3.4.5	SD	
21	Abrasion Resistance	2.2.2.16	STD	

Table 2: Rated Buoy Criteria

#	Criterion	Ref.#	Verification Method	Rated (Y/N)	Score Distribution	Max Score
1	Air Temperature	2.2.2.1	SOC	N	-	-
2	Water Temperature	2.2.2.2	SOC	N	-	-
2	Water Type	2.2.2.3	SOC	N	-	-
3	Operational Wind Speed	2.2.2.4	SOC	N	-	-
4	Survival Wind Speed	2.2.2.5	SOC	N	-	-
5	Maximum Operational Wave Height	2.2.2.6	SOC	N		
6	Operational Current Speed	2.2.2.7	SOC	N	-	-
7	Survival Current Speed	2.2.2.8	SOC	N	-	-
8	Maximum Buoy Tilt Angle (α)at Maximum current (Operational)	2.2.2.9	SD	**Y**	$\alpha \leq 3.5^{\circ}$ (10 pts) $3.5^{\circ} < \alpha \leq 6^{\circ}$ (5 pts) $\alpha > 6^{\circ}$ (0 pts)	10
9	Humidity	2.2.2.10	SOC	N	-	-
10	Salt Air and Seawater Spray	2.2.2.11	SOC	N	-	-
11	Ultraviolet (UV) Exposure	2.2.2.12	SOC	N	-	-
12	Marine Growth	2.2.2.13	SOC	N	-	-
13	Ice Exposure	2.2.2.14	SOC	N	-	-
14	Impact Resistance	2.2.2.15	SD/STD	**Y**	Actual Lab Test (15 pts) Calculated results (10 pts) Failure to prove results or no submission of data (0 pts)	15
15	Maintenance/ Repairability	2.2.3.2	SD	**Y**	yes (10 pts) no (0 pts)	10

16	Buoy Storage	2.2.3.3	SOC	N	-	-
17	Life Expectancy	2.2.4	SOC	N	-	-
18	Buoy Type	2.2.5.4	SOC	N	-	-
19	Stability – Undamaged Condition	2.2.6.1	SOC	N	-	-
20	Stability – Damaged Condition	2.2.6.2	SOC	N	-	-
21	Operational Reserve Buoyancy	2.2.6.3	SOC	N	-	-
22	Material Certifications	2.3.1.2	SOC	N	-	-
23	Buoy Hull Construction	2.3.2.2	SOC	N	-	-
24	Buoy Tower Construction	2.3.2.3	SOC	N	-	-
25	Surface Finish (Plastic)	2.3.2.7	SOC	N	-	-
26	Surface Finish (Metallic)	2.3.2.8	SOC	N	-	-
27	Fasteners, Bushings and Inserts	2.3.4.3	SOC	N	-	-
28	Buoyancy Material	2.3.5.2	SOC	N	-	-
29	Colour Pigments	2.3.6.1	SOC	N	-	-
30	Preferred CCG Color Zones	2.3.6.2	STD	**Y**	Zone 1= 20 pts, Zone 2=10 pts, other =0 pts	20
31	Ultraviolet Stabilizers	2.3.6.3	SOC	N	-	-
32	Coast Guard Markings	2.3.7.1	SOC	N	-	-
33	Identification	2.3.7.2	SOC	N	-	-
34	Operational Reserve Buoyancy Markings	2.3.7.3	SOC	N	-	-
35	Radar Reflector Marking	2.3.7.4	SOC	N	-	-
36	SWL Markings	2.3.7.6	SOC	N	-	-
37	Environmental Impact (a) Buoy Shell (b) Internal Buoyancy Material	2.3.8	SD	**Y**	a)Polyethylene 10 pts, Polyurethane= 5 other = 0 pts b) Polyethylene 10 pts, Polystyrene =7 pts, Polyurethane= 5 pts, other = 0 pts	10 10

38	Maximum Marine Growth (Operational)	A.2.1.27/ A.2.2.27	SOC	N	-	-
					Total	75