



<p>RETURN BIDS TO: RETOURNER LES SOUMISSIONS À:</p> <p>Bid Receiving - Environment Canada / Réception des soumissions – Environnement Canada</p> <p>Electronic Copy - Copier électronique : ec.soumissions-bids.ec@canada.ca</p> <p>BID SOLICITATION AMENDMENT MODIFICATION DE LA DEMANDE DE SOUMISSIONS</p> <p>The referenced Bid Solicitation is revised in this document; unless otherwise indicated, all other terms and conditions of the Bid Solicitation remain the same.</p> <p>La demande de soumissions citée en référence est modifiée dans ce document; sauf indication contraire, les modalités de la demande de soumissions demeurent les mêmes.</p> <p>Issuing Office – Bureau de distribution Burlington, Ontario, Canada</p>	<p>Title – Titre Analysis of Priority Chemicals in Canadian Surface Waters and XAD-2 Resin</p>	
	<p>EC Bid Solicitation No./SAP PR No. - N° de la demande de soumissions EC / N° SAP PR 5000056811</p>	<p>Amendment No. - N° de modif. 08</p>
	<p>Date of Bid Solicitation (YYYY-MM-DD) – Date de la demande de soumissions (AAAA-MM-JJ) 2021-04-15</p>	
	<p>Bid Solicitation Closes (YEAR- MM-DD) - La demande de soumissions prend fin (AAAA- MM-JJ) at – à 3:00 P.M. on – 2021-07-23</p>	<p>Time Zone – Fuseau horaire Eastern Daylight Time</p>
	<p>F.O.B – F.A.B</p>	
	<p>Address Enquiries to - Adresser toutes questions à Heidi Noble heidi.noble@canada.ca</p>	
	<p>Telephone No. – No de téléphone</p>	<p>Fax No. – No de Fax</p>
	<p>Delivery Required (YEAR-MM-DD) – Livraison exigée (AAAA- MM-JJ) 2022-03-31</p>	
	<p>Destination of Services / Destination des services Ontario</p>	
	<p>Security / Sécurité There is no security requirement associated with this requirement. Il n'y a aucune exigence relative à la sécurité liée à la présente exigence.</p>	

The bid solicitation is amended as follows:

PART 2 - BIDDER INSTRUCTIONS

Insert:

1.1 PWGSC SACC Manual Clauses

A7035T (2007-05-25) List of Proposed Subcontractors

If the bid includes the use of subcontractors, the Bidder agrees, upon request from the Contracting Authority, to provide a list of all subcontractors including a description of the things to be purchased, a description of the work to be performed and the location of the performance of that work. The list should not include the purchase of off-the-shelf items, software and such standard articles and materials as are ordinarily produced by manufacturers in the normal course of business, or the provision of such incidental services as might ordinarily be subcontracted in performing the Work.

PART 3 - BID PREPARATION INSTRUCTIONS

Section II: Financial Bid

1.4 Price Breakdown

Insert:

- (f) Subcontracts (if applicable): The bidders should identify all of the proposed subcontractors and provide in their financial bid for each one a price breakdown.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

Delete:

1.1 Technical Evaluation

Except where expressly provided otherwise, the experience described in the bid must be the experience of the Bidder itself (which includes the experience of any companies that formed the Bidder by way of a merger but does not include any experience acquired through a purchase of assets or an assignment of contract). The experience of the Bidder's affiliates (i.e. parent, subsidiary or sister corporations), subcontractors, or suppliers will not be considered.

Insert:

Except where expressly provided otherwise, the experience described in the bid must be the experience of the Bidder or its proposed subcontractors. The Bidder includes the experience of any companies that formed the Bidder by way of a merger but does not include any experience acquired through a purchase of assets or an assignment of contract). The experience of the Bidder's affiliates (i.e. parent, subsidiary or sister corporations) or suppliers will not be considered.

**ATTACHMENT 1 TO PART 4
MANDATORY TECHNICAL CRITERIA AND POINT RATED TECHNICAL CRITERIA**

Delete:**Mandatory Technical Criteria:**

No.	Mandatory Technical Criteria	Compliant (Yes/No)	Proposal Page No.
M1	The Bidder must have accreditation obtained from an accrediting body that is signatory to the International Laboratory Accreditation Cooperation Mutual Recognition Agreement ILAC MRA, using the internationally recognized criteria and procedures outlined in ISO/IEC 17025: (General requirements for Competence of Calibration and Testing Laboratories).		
M2	The Bidder must provide standard operating procedures (SOPs) and/or detailed method descriptions for the analyses of the chemical classes listed in Annex A1, Chemical Classes with Target Analytes. The SOPs and/or methods provided must generate quantified concentrations in water for all compounds marked with an asterisk (*). Bidder must provide links to peer reviewed publications or reports to support the proposed SOPs and/or detailed method descriptions.		
M3	The Bidder must prove it can provide analytical results for all compounds marked with an asterisk (*) in water as listed in Annex A1, Chemical Classes with Target Analytes. Bidder must provide a company resume of experience demonstrating projects that have been completed over the past 60 months at date of bid closing for organic contaminants in surface water.		
M4	The Bidder must provide proof of experience within the past 36 months of cleaning, preparing and supplying XAD-2 resin columns to its client(s) to be used for environmental (ultra-trace) sampling.		
M5	The Bidder must provide proof of lab performance with surface water samples with the submission of a set of recent (past 24 months at date of bid closing) laboratory method blank results derived from water analysis, as reported to its client(s), for all chemical classes, including the recovery of surrogates.		
M6	The Bidder must demonstrate experience in Performance Evaluation Testing for the chemical classes. The Bidder must provide the results of laboratory performance evaluations conducted for all chemical classes listed in Annex A1 for water, Chemical Classes with Target Analytes over the last 36 months at date of bid closing.		

M7	The Bidder must not subcontract any of the Work under the resulting contract.		
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Point Rated Technical Criteria:

No.	Point-Rated Technical Criteria:	Points Awarded
R1	<p>Demonstrated accreditation for the analysis of PFAS, BPA + alternatives, alkyphenols and ethoxylates, PAHs and glyphosate in surface water samples as well as organochlorine pesticides, PCB congeners, PBDE congeners, HBCDD isomers, and Halogenated Flame retardants in water as listed in Annex A1, Chemical Classes with Target Analytes</p> <p>Bidders should submit copies of scopes of accreditation (ISO/IEC 17025 or equivalent) for the analysis of target analytes of interest in water. Accreditation in other media will not be considered</p> <p>2 points for each chemical class up to 20 points</p>	/20
R2	<p>Demonstrated experience in analyzing surface water samples for the target analytes of interest, over a broad range of concentrations, as would be encountered in ambient Canadian surface waters.</p> <p>Bidders should Submit a summary of work, defined as analysis of ambient surface water samples or XAD-2 resin exposed to ambient surface waters, conducted in the past 60 months at date of bid closing.</p> <p>Bidders should complete the Summary of Work Table found in Attachment 2 to Part 4.</p> <p>Up to 40 points in accordance with the Scoring Matrix found in Attachment 2 to Part 4.</p>	/40
R3	<p>Demonstrated ability to achieve detection limits in 1 litre (or less) surface water samples and in XAD-2 resin samples (assuming 100L exposure) that will meet the data quality objectives. Blank correction or subtractions for determination of sample concentration are not to be used.</p> <p>Bidders should provide tabulated Estimated Detection Limits (EDLs), defined as 2.5:1 signal to noise ratio in real samples, for the first field sample reported from the last 10 batches of surface water samples or resin prior to the posting of this RFP. EDLs should be <u>as reported to a client</u> for each of the target analytes within each chemical class listed in Annex A1, Chemical Classes with Target Analytes</p> <p>Up to 40 points in accordance with the Scoring Matrix found in Attachment 3 to Part 4, Data Quality Objectives.</p>	/40

R4

Demonstrated ability to achieve appropriate method blank concentrations to meet data quality objectives. Blank correction or subtractions for determination of sample concentration are not to be used. A method blank is defined as an analyte free matrix, in this case water or XAD-2 resin, carried through the complete preparation and analytical procedure for the each chemical class.

Blanks: Bidders should provide tabulated laboratory method blank data provided for a project (or projects) from the prior 10 batches and as reported to a client prior to bid closing for the target analytes listed in Annex A1, Chemical Classes with Target Analytes in surface water or XAD-2 resin as specific in the Scoring Matrix.

Refer to the Data Quality Objectives found in Attachment 3 to Part 4, Data Quality Objectives.

Up to 40 points in accordance with the Scoring Matrix found below.

Scoring Matrix:

Chemical class	Method blank <EDL and <DQO	Analyte >EDL in method blank but <DQO	Method blank >DQO
<u>Surface water:</u>			
Bisphenol A	5	2	0
Bisphenol alternatives	5	2	0
PFAS	5	2	0
PAHs	5	2	0
Alkylphenol & ethoxylates	5	2	0
<u>XAD-2 resin:</u>			
Organochlorine pesticides	3	1	0
PCB congeners	3	1	0
PBDEs congeners	3	1	0
HBCDD isomers	3	1	0
Halogenated flame retardants	3	1	0

/40

R5

Demonstrate extent of the use of surrogate spikes, as well as Certified Reference Material (CRMs) and Standard Reference Material (SRMs). Preference will be given for methodologies that utilize ¹³C or other stable isotope labelled surrogates to assess and ensure data quality.

Bidders should identify all surrogates, CRMs & SRMs to be used in the analyses for each chemical class in the matrix specified per Annex A1, Chemical Classes with Target Analytes

Up to 10 points in accordance with the Scoring Matrix found in below.

Scoring Matrix:

Water		
8 points	5 points	2 points
Isotope dilution Internal C ¹³ - External spike		
CRM - SRM	CRM - SRM	
Method Spikes	Method Spikes	Method Spikes
Laboratory Spikes	Laboratory Spikes	Laboratory Spikes
XAD-2 Resin		
2 points		
Labelled Surrogates		

/10

R6

Percent recovery of surrogate and native spikes in spiked blank and matrix control samples.

Bidders should provide tabulated recovery of surrogate spikes and reported values for spiked blank and matrix control samples as reported to the client for the last 24 months or 10 batches of surface water or XAD-2 resin samples prior to bid closing for the chemical classes listed in Annex A1, Chemical Classes with Target Analytes

Up to 20 points in accordance with the Scoring Matrix found in below (sum of scores / 2).

Scoring Matrix:

Recovery of all spikes within:	90-110%	80-120%	60-140%	outside of 60-140%
PFAS in water	4	3	1	0
BPA + alternatives in water	4	3	1	0
Alkylphenol and ethoxylates in water	4	3	1	0
PAHs in water	4	3	1	0
Glyphosate in water	4	3	1	0
OC pesticides in resin	4	3	1	0
PCBs in resin	4	3	1	0
PBDEs in resin	4	3	1	0
HBCDD in resin	4	3	1	0
HFRs in resin	4	3	1	0

/20

<p>R7</p>	<p>Effectiveness of quality control program as demonstrated in performance evaluation studies for the target analytes of interest listed in Annex A1, Chemical Classes with Target Analytes in surface water.</p> <p><i>Provide a list of all performance evaluation studies and scores within the last 36 months for the target analytes listed in Annex A1, Chemical Classes with Target Analytes</i></p> <p>2 points will be awarded for proficiency test/round robin results with no failures for each chemical class, 1 point will be awarded for each proficiency test /round robin with <50% failures for each chemical class. Up to a maximum of 10 points</p>	<p>/10</p>
<p style="text-align: right;">Total</p>		<p style="text-align: center;">/ 180</p>
<p style="text-align: right;">Minimum Score</p>		<p style="text-align: center;">108 / 180</p>

Insert:

For the purpose of the mandatory and rated technical criteria the experience of the Bidder and its subcontractors will be considered.

The Bidder must clearly identify where it is proposing the experience of its subcontractors.

Mandatory Technical Criteria:

No.	Mandatory Technical Criteria	Compliant (Yes/No)	Proposal Page No.
M1	The Bidder must demonstrate that it and/or its proposed subcontractors meet the following: Accreditation obtained from an accrediting body that is signatory to the International Laboratory Accreditation Cooperation Mutual Recognition Agreement ILAC MRA, using the internationally recognized criteria and procedures outlined in ISO/IEC 17025: (General requirements for Competence of Calibration and Testing Laboratories).		
M2	The Bidder must demonstrate that it and/or its proposed subcontractors meet the following: Provide standard operating procedures (SOPs) and/or detailed method descriptions for the analyses of the chemical classes listed in Annex A1, Chemical Classes with Target Analytes. The SOPs and/or methods provided must generate quantified concentrations in water for all compounds marked with an asterisk (*). The Bidder must provide links to peer reviewed publications or reports to support the proposed SOPs and/or detailed method descriptions.		
M3	The Bidder must demonstrate that it and/or its proposed subcontractors meet the following: Provide analytical results for all compounds marked with an asterisk (*) in water as listed in Annex A1, Chemical Classes with Target Analytes. The Bidder must provide a company resume of experience demonstrating projects that have been completed over the past 60 months at date of bid closing for organic contaminants in surface water.		
M4	The Bidder must demonstrate that it and/or its proposed subcontractors meet the following: Proof of experience within the past 36 months of cleaning, preparing and supplying XAD-2 resin columns to its client(s) to be used for environmental (ultra-trace) sampling.		
M5	The Bidder must demonstrate that it and/or its proposed subcontractors meet the following: Proof of lab performance with surface water samples with the submission of a set of recent (past 24 months at date of bid closing) laboratory method blank results derived from water analysis, as reported to its client(s), for all chemical classes, including the recovery of surrogates.		

M6	The Bidder must demonstrate that it and/or its proposed subcontractors meet the following: Demonstrated experience in Performance Evaluation Testing for the chemical classes. The Bidder must provide the results of laboratory performance evaluations conducted for all chemical classes listed in Annex A1 for water, Chemical Classes with Target Analytes over the last 36 months at date of bid closing.		
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Point Rated Technical Criteria:

No.	Point-Rated Technical Criteria:	Points Awarded
R1	<p>The Bidder should demonstrate that it and/or its proposed subcontractors meet the following: Accreditation for the analysis of PFAS, BPA + alternatives, alkyphenols and ethoxylates, PAHs and glyphosate in surface water samples as well as organochlorine pesticides, PCB congeners, PBDE congeners, HBCDD isomers, and Halogenated Flame retardants in water as listed in Annex A1, Chemical Classes with Target Analytes</p> <p>Bidders should submit copies of scopes of accreditation (ISO/IEC 17025 or equivalent) for the analysis of target analytes of interest in water. Accreditation in other media will not be considered.</p> <p>2 points for each chemical class up to 20 points</p>	/20
R2	<p>The Bidder should demonstrate that it and/or its proposed subcontractors meet the following: Experience in analyzing surface water samples for the target analytes of interest, over a broad range of concentrations, as would be encountered in ambient Canadian surface waters.</p> <p>Bidders should submit a summary of work, defined as analysis of ambient surface water samples or XAD-2 resin exposed to ambient surface waters, conducted in the past 60 months at date of bid closing.</p> <p>Bidders should complete the Summary of Work Table found in Attachment 2 to Part 4.</p> <p>Up to 40 points in accordance with the Scoring Matrix found in Attachment 2 to Part 4.</p>	/40
R3	<p>The Bidder should demonstrate that it and/or its proposed subcontractors meet the following: Ability to achieve detection limits in 1 litre (or less) surface water samples and in XAD-2 resin samples (assuming 100L exposure) that will meet the data quality objectives. Blank correction or subtractions for determination of sample concentration are not to be used.</p> <p>Bidders should provide tabulated Estimated Detection Limits (EDLs), defined as 2.5:1 signal to noise ratio in real samples, for the first field sample reported from the last 10 batches of surface water samples or resin prior to the posting of this RFP. EDLs should be <u>as reported to a client</u> for each of the target analytes within each chemical class listed in Annex A1, Chemical Classes with Target Analytes</p> <p>Up to 40 points in accordance with the Scoring Matrix found in Attachment 3 to Part 4, Data Quality Objectives.</p>	/40
R4	<p>The Bidder should demonstrate that it and/or its proposed subcontractors meet the following: Ability to achieve appropriate method blank concentrations to meet data quality objectives. Blank correction or subtractions for determination of sample concentration are not to be used. A method blank is defined as an analyte free matrix, in this case water or XAD-2 resin, carried through the complete preparation and analytical procedure for the each chemical class.</p>	/40

Blanks: Bidders should provide tabulated laboratory method blank data provided for a project (or projects) from the prior 10 batches and as reported to a client prior to bid closing for the target analytes listed in Annex A1, Chemical Classes with Target Analytes in surface water or XAD-2 resin as specific in the Scoring Matrix.

Refer to the Data Quality Objectives found in Attachment 3 to Part 4, Data Quality Objectives.

Up to 40 points in accordance with the Scoring Matrix found below.

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Bisphenol alternatives	5	2	0
PFAS	5	2	0
PAHs	5	2	0
Alkylphenol & ethoxylates	5	2	0
<u>XAD-2 resin:</u>			
Organochlorine pesticides	3	1	0
PCB congeners	3	1	0
PBDEs congeners	3	1	0
HBCDD isomers	3	1	0
Halogenated flame retardants	3	1	0

R5

The Bidder should demonstrate that it and/or its proposed subcontractors meet the following: Extent of the use of surrogate spikes, as well as Certified Reference Material (CRMs) and Standard Reference Material (SRMs). Preference will be given for methodologies that utilize ¹³C or other stable isotope labelled surrogates to assess and ensure data quality.

Bidders should identify all surrogates, CRMs & SRMs to be used in the analyses for each chemical class in the matrix specified per Annex A1, Chemical Classes with Target Analytes

Up to 10 points in accordance with the Scoring Matrix found in below.

Scoring Matrix:

Water		
8 points	5 points	2 points
Isotope dilution Internal C ¹³ - External spike		
CRM - SRM	CRM - SRM	
Method Spikes	Method Spikes	Method Spikes
Laboratory Spikes	Laboratory Spikes	Laboratory Spikes
XAD-2 Resin		
2 points		

/10

	<table border="1"> <tr> <td data-bbox="269 191 594 231">Labelled Surrogates</td> <td data-bbox="594 191 854 231"></td> <td data-bbox="854 191 1107 231"></td> <td data-bbox="1107 191 1429 231"></td> </tr> </table>	Labelled Surrogates																																																							
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<p>R6</p>	<p>The Bidder should demonstrate that it and/or its proposed subcontractors meet the following: Percent recovery of surrogate and native spikes in spiked blank and matrix control samples.</p> <p>Bidders should provide tabulated recovery of surrogate spikes and reported values for spiked blank and matrix control samples as reported to the client for the last 24 months or 10 batches of surface water or XAD-2 resin samples prior to bid closing for the chemical classes listed in Annex A1, Chemical Classes with Target Analytes</p> <p>Up to 20 points in accordance with the Scoring Matrix found in below (sum of scores / 2).</p> <p>Scoring Matrix:</p> <table border="1"> <thead> <tr> <th data-bbox="269 646 727 716">Recovery of all spikes within:</th> <th data-bbox="727 646 854 716">90-110%</th> <th data-bbox="854 646 980 716">80-120%</th> <th data-bbox="980 646 1107 716">60-140%</th> <th data-bbox="1107 646 1357 716">outside of 60-140%</th> </tr> </thead> <tbody> <tr> <td data-bbox="269 716 727 751">PFAS in water</td> <td data-bbox="727 716 854 751">4</td> <td data-bbox="854 716 980 751">3</td> <td data-bbox="980 716 1107 751">1</td> <td data-bbox="1107 716 1357 751">0</td> </tr> <tr> <td data-bbox="269 751 727 787">BPA + alternatives in water</td> <td data-bbox="727 751 854 787">4</td> <td data-bbox="854 751 980 787">3</td> <td data-bbox="980 751 1107 787">1</td> <td data-bbox="1107 751 1357 787">0</td> </tr> <tr> <td data-bbox="269 787 727 856">Alkylphenol and ethoxylates in water</td> <td data-bbox="727 787 854 856">4</td> <td data-bbox="854 787 980 856">3</td> <td data-bbox="980 787 1107 856">1</td> <td data-bbox="1107 787 1357 856">0</td> </tr> <tr> <td data-bbox="269 856 727 892">PAHs in water</td> <td data-bbox="727 856 854 892">4</td> <td data-bbox="854 856 980 892">3</td> <td data-bbox="980 856 1107 892">1</td> <td data-bbox="1107 856 1357 892">0</td> </tr> <tr> <td data-bbox="269 892 727 928">Glyphosate in water</td> <td data-bbox="727 892 854 928">4</td> <td data-bbox="854 892 980 928">3</td> <td data-bbox="980 892 1107 928">1</td> <td data-bbox="1107 892 1357 928">0</td> </tr> <tr> <td data-bbox="269 928 727 963">OC pesticides in resin</td> <td data-bbox="727 928 854 963">4</td> <td data-bbox="854 928 980 963">3</td> <td data-bbox="980 928 1107 963">1</td> <td data-bbox="1107 928 1357 963">0</td> </tr> <tr> <td data-bbox="269 963 727 999">PCBs in resin</td> <td data-bbox="727 963 854 999">4</td> <td data-bbox="854 963 980 999">3</td> <td data-bbox="980 963 1107 999">1</td> <td data-bbox="1107 963 1357 999">0</td> </tr> <tr> <td data-bbox="269 999 727 1035">PBDEs in resin</td> <td data-bbox="727 999 854 1035">4</td> <td data-bbox="854 999 980 1035">3</td> <td data-bbox="980 999 1107 1035">1</td> <td data-bbox="1107 999 1357 1035">0</td> </tr> <tr> <td data-bbox="269 1035 727 1071">HBCDD in resin</td> <td data-bbox="727 1035 854 1071">4</td> <td data-bbox="854 1035 980 1071">3</td> <td data-bbox="980 1035 1107 1071">1</td> <td data-bbox="1107 1035 1357 1071">0</td> </tr> <tr> <td data-bbox="269 1071 727 1106">HFRs in resin</td> <td data-bbox="727 1071 854 1106">4</td> <td data-bbox="854 1071 980 1106">3</td> <td data-bbox="980 1071 1107 1106">1</td> <td data-bbox="1107 1071 1357 1106">0</td> </tr> </tbody> </table>	Recovery of all spikes within:	90-110%	80-120%	60-140%	outside of 60-140%	PFAS in water	4	3	1	0	BPA + alternatives in water	4	3	1	0	Alkylphenol and ethoxylates in water	4	3	1	0	PAHs in water	4	3	1	0	Glyphosate in water	4	3	1	0	OC pesticides in resin	4	3	1	0	PCBs in resin	4	3	1	0	PBDEs in resin	4	3	1	0	HBCDD in resin	4	3	1	0	HFRs in resin	4	3	1	0	<p>/20</p>
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PART 6 - RESULTING CONTRACT

Delete:

At Section 06 Subcontracts

Delete: paragraphs 1, 2, and 3 in their entirety.

Insert:

2.2 Specific Subcontractor(s)

The Contractor must provide the services of the following subcontractor(s) to perform the Work as stated in the Contract: _____

16. Replacement of Proposed Subcontractors

1. If subcontractors are identified in the Contract to perform the Work, the Contractor must provide the services of those subcontractors unless the Contractor is unable to do so for reasons beyond its control.
2. If the Contractor is unable to provide the services of any subcontractor identified in the Contract, it must provide a replacement with similar qualifications and experience. The replacement must meet the criteria used in the selection of the Contractor and be acceptable to Canada. The Contractor must, as soon as possible, give notice to the Contracting Authority of the reason for replacing the subcontractor(s) and provide:
 - a. the name, qualifications and experience of the proposed replacement; and
 - b. proof that the proposed replacement has the required security clearance granted by Canada, if applicable.
3. The Contractor must not, in any event, allow performance of the Work by unauthorized replacement subcontractors. The Contracting Authority may order that a replacement stop performing the Work. In such a case, the Contractor must immediately comply with the order and secure a further replacement in accordance with subsection 2. The fact that the Contracting Authority does not order that a replacement stop performing the Work does not relieve the Contractor from its responsibility to meet the requirements of the Contract.

**ANNEX A
STATEMENT OF WORK**

Delete:

Limited sample may require multiple analysis per extraction, subcontracting outside of the RFP is not permitted.

Insert:

Limited sample may require multiple analysis per extraction, subcontracting requires the approval of the Contracting Authority.

All other terms and conditions of the Bid Solicitation remain the same.