

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Public Works and Government Services Canada
Telus Plaza North, 5th floor
10025 Jasper Avenue
Edmonton
Alberta
T5J 1S6
Bid Fax: (780) 497-3510

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
Public Works and Government Services Canada
Northern Contaminated Site Program
Telus Plaza North, 5th floor
10025 Jasper Avenue
Edmonton
Alberta
T5J 1S6

Title - Sujet Bear Creek Mercury Abatement	
Solicitation No. - N° de l'invitation EW699-132625/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client PC	Date 2013-04-05
GETS Reference No. - N° de référence de SEAG PW-\$NCS-005-9735	
File No. - N° de dossier NCS-2-35358 (005)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-04-23	Time Zone Fuseau horaire Mountain Daylight Saving Time MDT
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: Campbell (NCS), Brad	Buyer Id - Id de l'acheteur ncs005
Telephone No. - N° de téléphone (780) 497-3911 ()	FAX No. - N° de FAX (780) 497-3510
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 Amendment No. 002

The purpose of this amendment is to; provide minutes from the mandatory site visit, address questions recieved from bidders, and revise the Request for Proposal documents and Statement of Work, as indicated below;

The Bid Close date has been changed to April 23 2013, 2:00 P.M. MDT.

MANDATORY SITE VISIT:

Minutes from the Mandatory Site Visit are included as separate attachment to this solicitation amendment titled "Bear Crk_bid_mtg_March 22_2013 for MERXV2final.pdf".

PART A - Questions and Answers

Q.1. Is the page limit of 25 pages for the bid submission to include all appendices and information?

A.1. The 25 page limitation has been removed. Please refer to Part B, Revisions to Request For Proposal, of this Solicitation Amendment.

Q.2. When is the last day tender questions can be submitted?

A.2. Five (5) business days prior to bid closing date.

Q3. In reference to Part 4 Section 2.1 of Request for Proposal document, would PWGSC accept an alternate proposal to commence the work on a pilot scale in order to determine the extent of cleaning that will be required to reach an adequate decontamination level?

A3. No

Q.4. In reference to Part 6 section 7.1 - Invoicing Instructions of Request for Proposal document, please confirm that PWGSC wants copies of all (a) all time sheets to support the time claimed; (b) a copy of the invoices, receipts, vouchers for all direct expenses and all travel and living expenses. PWGSC is requesting a lump sum financial bid therefore we would not be submitting any additional charges to PWGSC.

A.4. PWGSC will require the supporting documentation as described in the terms and conditions for every invoice.

Q.5. Does PWGSC have any hours of work restrictions?

A.5. In consideration of on site resident, NO work is to be conducted between the hours of 11 pm and 7 am.

Q.6. In reference to Part 4 Section 2.1 - Basis of Selection - Highest Combined Rating of Technical Merit and Price in Request for Proposal document, points 3, 4 and 5 identify a 60/40 ratio of technical merit and price, respectively. However, the paragraph describing the example table notes "...a 40/60 ratio of technical merit and price, respectively." Please confirm the ratio for evaluation.

A.6. The ratio is 60/40. Please refer to Part B, Revisions to Request For Proposal, of this Solicitation Amendment.

Q.7. In reference to Part 5, Section 2.2 - Former Public Servant Certification of Request for Proposal document, does the term "Former Public Servant" apply to all Canadian employees of the bidding firm, or only those with a major or controlling interest?

A.7. Please refer to the Definitions section of Part 5, Section 2.2. If the bidding entity falls into one of those definitions, this clause will apply.

Q.8. In reference to Section 02 10 00 Part 1 Section 1.6.4, how often will the post-abatement confirmatory sampling be revisited? Specifically, will we be looking at warranty on the work outside the window of the initial abatement? This will also relate to Section 02 10 00 Part 2 Section 2.1.5 and the approved sealants/epoxies.

A.8. One set of post-abatement sampling event will occur immediately once all abatement activities are complete. Sampling will not be revisited under this contract. PWGSC expects a one year warranty outside the window of initial abatement with respect to Section 02 10 00 Part 2- 2.1.5. Refer to the Statement of Work, Section 02 10 00 Part 3 - 3.2.17.

Q.9. What regulations were used to specify the Type 3 abatement requirement - Summary of Work Section 01 11 00 Part 1 Description of Work clause 1.1.6.1?

A.9. Type 3 abatement requirements referenced as per Ontario Regulation 278/05. Note this regulation applies to asbestos abatement work. Modifications to these requirements to suite mercury abatement work are required, and should be noted in the bidder's Abatement Plan submission, including rationale for the change.

Q.10. Are all surfaces in the Gold Room receiving the same abatement treatment? Define "surfaces" mentioned in Summary of Work Section 01 11 00 clause 1.1.3.

A.10. All interior surfaces are to be cleaned. 'Surfaces' encompasses all accessible interior building surfaces including porous surfaces. Accessible is defined as sufficient access to an item/surface or fixture that allows for proper and adequate cleaning of the object to meet abatement objectives. If removal or dismantling activities to access an item/surface or fixture is anticipated to result in irreparable damage, prevent proper reparation (to original condition) or compromise the integrity of the item, the Contractor should immediately notify the Departmental Representative and identify the accessibility issue in order to discuss and determine how to proceed. If removal or dismantling activities are possible without damage, but may impact abatement schedule (due to labour intensive requirements) or costs, the Contractor shall notify the Department Representative immediately to discuss potential mitigative measures prior to commencement of work.

Q.11. Porous surfaces may be difficult to clean to required standards. What are PWGSC's abatement expectations for these types of surfaces?

A.11. The Contractor is expected to clean porous surfaces, with the most appropriate industry standard abatement method. If the porous surface is still found not to meet required standards, the Contractor should notify the Departmental Representative as soon as possible.

Q.12. Regarding Duct-work cleaning requirements. What work should the contractor expect to undertake with respect to duct-work, as there could be significant disassembling work require?

A.12. Interior of ductwork is expected to be cleaned to avoid recontamination of surfaces. Therefore wherever possible, disassembly of ductwork is required. Costs for this work should be included in bid price item 02 10 00-2. The Owner has identified three ductwork systems that extend to the exterior:

1) Ductwork that collects from the retort and bullion furnace and goes to a blower fan mounted below the ceiling through a large horizontal duct. The blower exhausts vertically up through the roof. Most of the mercury is anticipated to have accumulated in the horizontal duct runs and in the fan itself. Cleaning should be conducted in the inlet ducting to the fan, including the fume hoods, and within the fan itself. Cleaning beyond this is not required at this time as anything in the vertical exhaust pipe is anticipated to run back down and accumulate in the fan itself. The fan has at least one access hatch.

2) Ductwork associated with the brick furnace, consisting of the collection hood and vertical exhaust pipe with no fan. It is anticipated that not much accumulation would occur in the vertical sections. Minor dismantling would be required to clean these items.

3) Ductwork associated with the drying oven, consisting of a collection hood and vertical exhaust pipe with not fan. It is anticipated that not much accumulation would occur in the vertical sections. Minor dismantling would be required to clean these items.

Q.13. There are some concerns related to the damage to artifacts during cleaning, such as paint chipping or surface tarnishing. How is artifacts damage to be identified, handled and incorporated into the abatement strategy?

A.13. This is not considered to be a major concern, since the recommended abatement strategy includes a three-stage wipe-down procedure or assumes alternately proposed abatement methods are non-destructive in nature. Section 02 10 00 clauses 3.5.9 and 3.5.10 refer to reparation responsibilities. Should expectations of any significant damage be encountered to artifacts during cleaning or encapsulation, the Departmental Representative should be notified immediately so an on-site Owner representative can be made available for additional recommended preservation strategies.

Q.14. Identified porous surfaces including wood cabinets and drawers, and cracks and fine joints in concrete flooring and foundation may be difficult to clean up to criteria. In this instance, encapsulation is likely recommended, which will likely involve preparation (i.e. etching or roughening of surface) of the surface for the sealant to adhere to. Sealant products may or may not adhere depending on the coated surface, and may interact with existing varnishes and introduce discoloration. What are the encapsulation expectations for this contract?

A.14. The Contractor's proposed encapsulation method and materials will be reviewed and approved by the Owner's conservation personnel for appropriate compatibility prior to proceeding with encapsulation. Note it is anticipated that any archival paper products (old forms, newspaper etc) can be sealed in plastic or other alternative recommended by the Contractor. Other items like cardboard boxes or burlap sacs could be disposed of if approved by the Departmental Representative.

Q.15. Is the Contractor to include encapsulation costs for this work? How does PWGSC wish for these costs to be represented in the bid?

A.15. No. Encapsulation costs will be addressed through an amendment to the contract. For evaluation purposes, description of anticipated methods and materials of potential encapsulation should be described and included in description of work. The description should also identify potential impacts that may compromise the integrity and conservation of the items. This may be discussed in the context of general category of materials types observed during the site visit that includes but not limited to items made of wood (varnished/stained), metal items painted with protective coating, concrete surfaces, textiles, paper-cardboard, other observed porous materials.

Q.16. Since mercury changes phase at temperatures around room temperature, it is important to consider the ambient sampling temperature. In addition, surfaces that are exposed to solar radiation and heat may volatilize mercury. Clarify at what temperature will pre-abatement and confirmatory samples be collected?

A.16. Pre-abatement temperature will be the same as Post-abatement. Once all abatement work has been completed, Post-abatement confirmatory samples will be collected once the room has been brought up to 25 degrees Celsius for a minimum of 12 hours. Contractor is responsible for providing all labour, equipment and supplies necessary to heat and maintain these temperatures for the duration of the sampling program. Include all costs in item 02 10 00-2 in the Basis of Pricing Schedule.

Q.17. Unknown chemicals and other substances were observed in various drawers and containers in the Gold Room during the Site visit that may not have been documented in the specifications. How are 'hidden' or undocumented items to be addressed in the bid price? i.e. powder chemicals in drawers, etc?

A.17. Note Section 01 11 00 clause 1.1.3 notes "...the cleaning of all mercury contaminated materials and surfaces including but not limited to..." Contractor is to notify Department Representative immediately of any hidden or undocumented items and identify impacts to schedule and cost. All items must be approved by Departmental Representative as outside of existing scope of work prior to acceptance and

inclusion in a contract amendment. Contractor to track all such items encountered, and costs associated with each item.

Q.18. How long does the Consultant anticipate pre-abatement and confirmatory sampling analysis will take?

A.18. Pre-abatement and confirmatory samples will be done as rush samples. However, due to the logistics of shipping from Dawson, results for samples should be expected within four (4) days of sample collection. Contractor's schedule should account for this delay.

Q.19. Is the volume of sediment in the sump known?

A.19. No. For bid estimate purposes, the Contractor should assume 2 m3.

Q.20. Gable vents were observed on the exterior of the house above the office space. Is the Gable attic space included in the abatement program? Is it connected to the office attic space?

A.20. The gable attic space is not included in the abatement program and therefore costs are not to be included in bid item 02 10 00-2. There is a hatch to access the gable attic space immediately over the access ladder that leads to the office attic space. Additional information is provided in the attached supplement to Appendix B titled "APPXB-Bear Creek Gold Room Attic Space", regarding configuration and spatial relationship of Office Attic space and Gable Attic Space, including photos and dimensions of attic spaces. No existing mercury data exists for both attic spaces. The Pre-abatement sampling program will include this office and gable attic space. Should mercury impacts be identified in the gable attic space the Departmental Representative will initiate an amendment of the contract for this potential additional work.

Q.21. Please provide information regarding ceiling height of Gold Room and Vault. In the plan the vault was cut-off in the drawing kindly include also dimensions of vault.

A.21. Height of Gold Room ceiling: 4.3 m estimated maximum height

Height of Vault: estimated 2.5 m

Dimension of Vault: 1.98 wide x 3.7 m long

Q.22. In reference to Section 02 10 00 Part 3 Section 3.2.12 in Issue for Tender Document, would PWGSC consider a lower operating temperature to ensure a minimum volatilization of trace mercury sources?

A.22. No. See Question 16 for additional reference

Q.23. In reference to Section 02 10 00 Tables in Issue for Tender Document, can we see copies of the studies utilized to compile the analytical results?

A.23. This information is tabulated in Tables Appendix of the Specifications: Table 2 Gold Room Historical Mercury Analytical Results. As part of this amendment, two reports have been provided for reference purposes.

- Health Canada Workplace Investigation, Parks Canada Bear Creek, Dawson City, YT, August 2008

-Mercury Vapour Concentrations in Ambient Air at the Bear Creek Compound, INAC June 2005

Q.24. In reference to Section 01 11 00 Part 1 Section 1.1.5 in Issue for Tender Document, what is the expected level of interaction/exposure from the public once the Gold Room has been brought in to service as a functional museum? Specifically, how much surface contacts will the public have?

A.24. Public tours would comprise of a heavily supervised walk through/stand around with a no touch policy. Maximum anticipated tour time in the Gold Room is 30 minutes. Parks staff however, would be touching some items and cleaning the room and artifacts from time to time.

Q.25. In reference to Section 02 10 00 Part 3 Section 3.2.7.2 in Issue for Tender Document, would PWGSC consider restoration to historical site to include Plexiglas coverage?

A.25. No Plexiglas coverage is not to be included. PC will be responsible for Plexiglas coverage.

Q.26. In reference to Section 02 10 00 Figures in Issue for Tender Document, can PWGSC confirm if the attic is considered in the Gold Room boundaries.

A.26. See Q 20 for additional reference.

Q.27. In reference to Section 02 10 00 Tables in Issue for Tender Document, pre-sampling identified analytical results for area outside of the Gold Room (specifically soil sample for the gold room shed). Will that area be a part of the post abatement sampling? If so, can an estimated volume of mercury contaminated soil be provided? Soil has not been identified under "Mercury Abatement" Part 1.3.1 scope definition, nor criteria established under "Mercury Abatement" Part 1.6.4.

A.27. Soil in the gold room shed is referred to in Section 01 11 00 Part 1 - 1.1.3. Yes the sump will be part of post abatement sampling. See Part B - Revisions to Request For Proposal. Metal analytical results for gold room sump samples collected from September 2012 sampling event have been provided with this addendum. This table is titled "Appendix D Table 1 Soil Chemistry - Metal parameters" - AECOM.

Q.28. In reference to Section 02 10 00 Part 3 Section 3.2.12 in Issue for Tender Document, please confirm exact operating conditions and locations to be tested to ensure abatement procedures correlate with client completion requirements.

A.28. See Part C - Revisions to the Statement of Work, and Question 16.

Q.29. In reference Section 01 11 00 Part 1 Section 1.4.2 & Section 02 10 00 Part 1 Section 1.3.7 in Issue for Tender Document, can you please provide an exact listing of the pre-abatement sampling criteria and disclose the results following completion?

A.29. Pre-abatement samples are not being assessed against any particular criteria, rather they are being collected for current background levels prior to abatement work. Ideally, pre- and post-abatement samples will be collected in the same location, where possible. Post-abatement sampling criteria is outlined in Section 02 10 00 clause 1.6.4. Prior to initiation of abatement work, locations for collection of pre- and post-abatement samples will be discussed with the Contactor and Departmental Representative, as sample locations/collection methods will be depending on the abatement approach as outlined in the Contractor's approved Abatement Plan. All sampling results will be disclosed immediately upon receipt from the analytical laboratory.

Q.30. Has the project been through YESSA (Yukon Environmental Assessment Process) and if not, is the contractor responsible for obtaining YESAB (Yukon Environmental Social - Economic Assessment Board) approval?

A.30. YESSA is not applicable at this Site, therefore Contractor is not required to obtain YESAB.

Q.31. In the Project Specification, Section 02 10 00, page 6, item number 8 it says: Items may be removed from the building and then heated under controlled conditions such that mercury vapours volatilize, prior to encapsulation. What does controlled conditions mean? Does this mean putting up an enclosed structure and heating the contaminated materials inside the structure?

A.31. Controlled conditions may be determined by the Contractor such that the conditions allows for the heating of contaminated material in an operating space to required temperature specifications, meets health and safety standards and mitigates potential environmental impacts to the immediate vicinity where these activities will occur. See Part C Revisions to Statement of Work for defined operating temperature and See Question 16 for additional references.

Q.32 On the same page item number 12 says: Post abatement or encapsulation the building will be brought up to operating temperatures and mercury level readings will be monitored with a direct reading instrument, prior to collection of post abatement confirmatory samples. What does brought up to operating temperatures mean? Does this mean heating up the building to normal room temperature?

A.32 See Part C Revisions to Statement of Work for defined operating temperature

PART B - Revisions to Request For Proposal

- Under Part 3 - BID PREPARATION INSTRUCTIONS

Delete:

Section I: Technical Bid

In their technical bid, bidders should explain and demonstrate their understanding of the work, how they propose to meet the requirements, and how they will carry out the Work.

The maximum number of pages (including text and graphics) to be submitted for the Technical Evaluation under Part 4, Article 1.1 is twenty-five (25) pages.

Consequence of non-compliance: any pages which extend beyond the above page limitation and any other attachments will be extracted from the proposal and will not be forwarded to the Evaluation Team members for evaluation.

Insert:

Section I: Technical Bid

In their technical bid, bidders should explain and demonstrate their understanding of the work, how they propose to meet the requirements, and how they will carry out the Work.

- Under Part 4 EVALUATION PROCEDURES AND BASIS OF SELECTION

Delete:

2.1 Basis of Selection - Highest Combined Rating of Technical Merit and Price

1. To be declared responsive, a bid must:
 - a. comply with all the requirements of the bid solicitation; and
 - b. meet all mandatory criteria; and
 - c. obtain the required minimum of 348 points overall for the technical evaluation criteria which are subject to point rating.
 - d. have a price not greater than twenty-five percent (25%) above the average price.

The rating is performed on a scale of 580 points.

2. Bids not meeting "(a) or (b) or (c) or (d)" will be declared non-responsive.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 60 % for the technical merit and 40 % for the price.

-
4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 60 %.
 5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 40 %.
 6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.
 7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 40/60 ratio of technical merit and price, respectively. The total available points equals 135 and the lowest evaluated price is \$45,000 (45).

Insert:

2.1 Basis of Selection - Highest Combined Rating of Technical Merit and Price

1. To be declared responsive, a bid must:
 - a. comply with all the requirements of the bid solicitation; and
 - b. meet all mandatory criteria; and
 - c. obtain the required minimum of 360 points overall for the technical evaluation criteria which are subject to point rating.
 - d. have a price not greater than twenty-five percent (25%) above the average price.

The rating is performed on a scale of 600 points.

2. Bids not meeting "(a) or (b) or (c) or (d)" will be declared non-responsive.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 60 % for the technical merit and 40 % for the price.
4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 60 %.
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 40 %.
6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.
7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

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File No. - N° du dossier

NCS-2-35358

Buyer ID - Id de l'acheteur

ncs005

CCC No./N° CCC - FMS No/ N° VME

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 60/40 ratio of technical merit and price, respectively. The total available points equals 135 and the lowest evaluated price is \$45,000 (45).

- Under PART 6 - RESULTING CONTRACT CLAUSES

Delete:

4.1 Period of the Contract

The period of the Contract is from date of Contract to *June 30, 2013* inclusive.

Insert:

4.1 Period of the Contract

The period of the Contract is from date of Contract to "*To be Determined*" inclusive.

- Under Annex "B" BASIS OF PAYMENT

Delete:

The Annex in its entirety.

Insert:

ANNEX "B"**BASIS OF PAYMENT**

- Prices to remain firm for the full period of the contract.
- Prices must be provided for each line item and as per format shown below. If N/A is provided in any line item, the bid will be considered non-responsive.
- Prices are in Canadian dollars.
- Firm Unit Prices do not include GST; GST will be added to the invoice as a separate line item.

Specification Section	Description	Unit of measure	Unit Price (Cdn \$)
01 31 19-1	Pre-Construction Kick-Off Meeting	Lump sum	\$
01 31 19-2	Project Meetings	Lump sum	\$
01 33 00-1	Abatement Report	Lump sum	\$
01 35 29.15-1	Site Specific Health and Safety Plan	Lump sum	\$
01 35 29.15-2	Contingency and Emergency Response Plan	Lump sum	\$
02 10 00-1	Mobilization/Demobilization of personnel and equipment	Lump sum	
02 10 00-2	Abatement, removal and packaging of Mercury Contaminated Materials from Gold Room	Lump sum	\$
02 10 00-3	Offsite transportation and disposal of packaged Mercury Waste, excluding sump or drain sediments	Lump sum	\$
02 10 00-3A	Offsite transportation, containment and disposal of mercury impacted sump or drain sediments.	Lump sum	\$
02 10 00-4	Contractor Testing and Monitoring, including Equipment, Sampling, Transportation and Analysis at an Accredited Laboratory	Lump sum	\$
02 10 00-5	Cost of all necessary approvals and permit	Lump sum	\$
02 10 00-6	Accommodations and Meals	Lump sum	\$
BOPC-1	Balance of Project Costs	Lump sum	\$
Total Estimated Price			\$

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Buyer ID - Id de l'acheteur

ncs005

Client Ref. No. - N° de réf. du client

PC

File No. - N° du dossier

NCS-2-35358

CCC No./N° CCC - FMS No/ N° VME

GOODS AND SERVICES TAX:

The Total Estimated Goods and Services Tax (GST), \$_____, is not included in the amounts above. The GST is to be shown as a completely separate item on each invoice.

- Under Annex "C" EVALUATION CRITERIA

Delete:

The Annex in its entirety.

Insert:

ANNEX "C"

EVALUATION CRITERIA

Each Bid will be evaluated and scored in accordance with the following evaluation criteria:

1. POINT-RATED CRITERIA

POINT RATED REQUIREMENTS: (Rating: 4 = excellent, 3 = very good, 2 = average, 1 = poor, 0 = nothing)				
A. Technical		Weight	Rating	Score
1 Project Understanding	Demonstrated understanding of the nature of the project, and the scope of the work as described in Annex "A" - Statement of Work, as set out in the RFP .	10		
2 Description of Work	<p>Provided a detailed methodology of how each task will be completed. Included in the description should be information regarding how the assessment and reporting requirements will be achieved, protocols, health and safety considerations. Include a detailed description of all the equipment, materials, and supplies.</p> <p>Include description of anticipated methods and materials for potential encapsulation. The description should also identify potential impacts that may compromise the integrity and conservation of anticipated items that may be candidates for encapsulation (example wood, metal, concrete, and textile items and any others the Contractor may have identified during the site visit). The description should also include protocols and equipment for monitoring effectiveness of abatement activities to meet clean up criteria.</p>	30		
3 Schedule	Prepared a schedule of activities which will illustrate the duration of each of the major tasks (major tasks include, but are not limited to, the tasks described in Scope of Work of the Terms of Reference). Each task should be broken down into sufficient subtasks so	15		

	that the project progress can be easily monitored by the Engineer. Show deliverable dates on the schedule.			
4 Problem identification & Management	Described project challenges and mitigative measures. Described the process for identifying potential problems, bringing them forward to the Project Authority and how they will be managed.	20		
5 Staffing Contingency Plan	Demonstrated ability to properly staff the project and contingency plans to cover off key team members.	20		
Maximum points available				380
Points awarded				

POINT RATED REQUIREMENTS: (Rating: 4 = excellent, 3 = very good, 2 = average, 1 = poor, 0 = nothing)

*Recent means projects must have been completed between January 1, 2003 and the closing date of this solicitation, inclusive, to be considered responsive.

B.Management		Weight	Rating	Score
6 Achievements of Company	<p>Described recent experience and performance of Company on previous projects with tasks similar to those identified in the Statement of Work. Project information provided included, but not limited to;</p> <ul style="list-style-type: none"> •clearly indicated how this project is comparable/relevant to the requested project. •clearly indicated whether this project is for a location/site north of the 60th parallel •brief project description and intent. Narratives should include a discussion of approach to meet the intent, and challenges and resolutions. •budget control and management - i.e. contract price & final construction cost - explain variation 	15		

	<ul style="list-style-type: none"> •project schedule control and management - i.e. initial schedule and revised schedule - explain variation •client references - name, address, phone and fax of client contact at working level - references may be checked •names of key personnel responsible for project delivery 			
7 Achievements of Key individuals	Described recent experience and performance of key personnel to be assigned to this project regardless of their past association with the current firm.			
	<p>A. Project Manager, and back-up</p> <p>Qualifications (including a résumé up to 2 pages in length) for personnel should demonstrate;</p> <ul style="list-style-type: none"> • relevant previous experience, expertise, numbers of years experience in Mercury abatement, or similar complex abatement projects. • technical experience in occupational and/or industrial hygiene. • clearly indicated relevant previous experience, expertise, for project location(s)/site(s) north of the 60th parallel • role, responsibility and degree of involvement of individual in past projects 	20		
	<p>B. On site Supervisor, and back-up</p> <p>Qualifications (including a résumé up to 2 pages in length) for personnel should demonstrate;</p> <ul style="list-style-type: none"> • relevant previous experience, expertise, numbers of years experience in Mercury abatement, or similar complex abatement projects. • technical experience in occupational and/or industrial hygiene. 	20		

	<ul style="list-style-type: none"> clearly indicated relevant previous experience, expertise, for project location(s)/site(s) north of the 60th parallel role, responsibility and degree of involvement of individual in past projects 			
Maximum points available				220
Points awarded				

Total points available	600
Minimum points acceptable (60%)	360
Total Points Awarded	

Each point rated evaluation criterion has a number allotment (weight) that reflects its importance in proposal submissions. The degree to which the proposal satisfies the requirement of each criterion will be assessed and a "rating" will be as per the table above, with 0 meaning the proposal completely fails to satisfy the requirement, and the total allotment meaning the proposal fully meets the outlined criterion. A score will be assessed by multiplying the weight by the rating.

Each proposal must achieve a minimum score of **60%** of the maximum points available overall. Proposals that fail to achieve this score will be considered technically unacceptable and will be given no further consideration.

PART C - Revisions to the Statement of Work/ Specification - Annex "A"

Please refer to the English document for the revisions to the Statement of Work - Annex "A" document.

Specification Section 01 11 00 - Summary of Work - 1.1 Description of Work

Delete Item 1.1.3 and replace with the following:

1.1.3 The Work of the Contract is for the cleaning of all mercury contaminated materials and surfaces, including but not limited to interior surfaces, artifacts, furniture, pipes, sink traps, floor drain, ductwork, and concrete floor joints, and possible encapsulation, removal and off-site disposal of items/materials from the building. The primary abatement activities are focused in the interior spaces of the Gold Room, including the process area, office, vault and office attic space. The abatement work in the storage shed is primarily associated with mercury material in the sump.

Delete Item 1.1.6.1 and replace with the following:

1.1.6.1 The Contractor shall provide all labour, materials, supplies and equipment to isolate (barriers and containments - based on Type 3 Operation as per Ontario Regulation 278/05) all areas and rooms, as necessary;

Specification Section 01 11 01 - General Requirements - 1.1 Schedule:

Delete Item 1.1.7 and replace with the following:

1.1.7 The completion date for all Work is nine (9) weeks from date of award.

Add new item 1.1.13 with the following:

1.1.13 Make allowances for shipping times and analytical turn-around-times for pre-abatement and post-abatement confirmatory samples.

Specification Section 01 33 00 - Submittal Procedures - 1.6 Abatement Plan:

Delete Item 1.6.6.3 and replace with the following:

1.6.6.3 Describe the specific procedures that will be followed during the mercury abatement and encapsulation work. List individual tasks/steps in sequence and note testing requirements as appropriate. Include description of anticipated encapsulation methods and materials requiring encapsulation. Note any potential impacts that may compromise the integrity and conservation of the items.

Delete Item 1.6.6.6 and replace with the following:

1.6.6.6 Describe how and when equipment, material and work force will be brought onsite. Indicate size and composition/roles of on-site work force for abatement activities.

Add new item 1.6.22 with the following:

1.6.22 Describe any required modifications to barriers and containments as described under Type 3 Operations (Ontario Regulation 278/05).

Specification Section 02 10 00 - Mercury Abatement - 1.3 Definitions:

Add new item 1.3.9 with the following:

1.3.9 Surfaces: All accessible interior building surfaces including porous surfaces. Accessible is defined as sufficient access to an item/surface or fixture that allows for proper and adequate cleaning of the object to meet abatement objectives.

Add new item 1.3.10 with the following:

1.3.10 Operating temperature for testing or monitoring purposes defined as 25 degrees Celsius maintained for a minimum of 12 hours

Specification Section 02 10 00 - Mercury Abatement - 1.8 Measurement of Payment:

Delete Item 1.8.2 and replace with the following:

1.8.2 All costs for the preparations and completion of abatement, removal and packaging of Mercury Contaminated Materials inside Gold Room are to be included in the lump sum price paid for under Item 02 10 00-2, as indicated in Basis of Pricing Schedule. Costs associated with preparations and completion of on-site encapsulation activities of Mercury Contaminated Materials inside Gold Room will be addressed through amendment to the contract and should not be included under this item.

Delete Item 1.8.3 and replace with the following:

1.8.3 All costs for the preparations and completion of off-site transport and disposal of packaged Mercury Waste excluding sump or drain sediments are to be included in the lump sum price paid for under Item 02 10 00-3, as indicated in Basis of Pricing Schedule.

Add new item 1.8.3.1 with the following:

1.8.3.1 All costs for the offsite transportation and disposal of mercury impacted sump or drain sediments are to be included in the lump sum price paid for under Item 02 10 00-3A, as indicated in Basis of Pricing Schedule. For cost estimate purposes the Contractor should assume an estimated volume of 2 m3 for abatement, transportation and disposal purposes of the sump/drain sediment.

Specification Section 01 33 00 - Submittal Procedures - Table 01 33 00

Add Item to table:

Specification section 01 33 00 Inventory List of identified abatement Items Due date: Prior to commencement of abatement work anticipated concurrently with pre-abatement sampling

Specification Section 02 10 00 - Mercury Abatement - 3.1 Preparation:

Delete Item 3.1.1.1 and replace with the following:

Inventory of all Mercury Contaminated Materials, including identification of hidden or previously undocumented items and items requiring encapsulation. This will be reviewed by the Department Representative and Owner for approval to ensure no items are missed;

Specification Section 02 10 00 - Mercury Abatement - 3.2 Mercury Abatement and Encapsulation:

Delete Item 3.2.3 and replace with the following:

3.2.3 Mercury is to be removed from all interior Gold Room surfaces, ductwork, concrete floor control joints, artifacts, furniture, pipes, sink traps, floor drains, and sumps. Ductwork interior surfaces are expected to be cleaned to avoid recontamination of surfaces, therefore disassembly of ductwork is required. The following three ductwork systems are noted for abatement:

Add new item 3.2.3.1 with the following:

3.2.3.1. Ductwork that collects from the retort and bullion furnace and goes to a blower fan mounted below the ceiling through a large horizontal duct. Abatement is limited to the inlet ducting to the fan, including the fume hoods, and within the fan itself.

Add new item 3.2.3.2 with the following:

3.2.3.2 Ductwork associated with the brick furnace, consisting of the collection hood and vertical exhaust pipe with no fan.

Add new item 3.2.3.3 with the following:

3.2.3.3 Ductwork associated with the drying oven, consisting of a collection hood and vertical exhaust pipe with no fan.

Delete Item 3.2.12 and replace with the following:

3.2.12 Post-Abatement or encapsulation, the building will be brought up to an operating temperature of 25 degrees Celsius for a minimum of 12 hours and mercury level readings will be monitored with a direct reading instrument, prior to collection of Post-Abatement Confirmatory Samples.

Add new item 3.2.12.1 with the following:

3.2.12.1 Contractor is responsible for providing all labour, equipment and supplies necessary to heat and maintain these temperatures for the duration of the sampling program.

Add new item with the following:

3.2.13 Contractor to notify Departmental Representative immediately of any hidden or undocumented items encountered and identify impacts to schedule and cost. Contractor to track all such items encountered and estimated costs. Abatement/encapsulation activities related to such 'hidden' items must be approved by Departmental Representative prior to commencement of Work.

Add new item 3.2.14 with the following:

3.2.14 If removal or dismantling activities to access an item/surface or fixture is anticipated to result in irreparable damage, prevent proper reparation (to original condition) or compromise the integrity of the item, Contractor shall immediately notify the Departmental Representative and identify the accessibility issue measures prior to commencement of work. If removal or dismantling activities are possible without damage, but may impact abatement schedule or cost, Contractor shall notify Department Representative immediately to discuss potential mitigative measures prior to commencement of Work.

Add new item 3.2.15 with the following:

3.2.15 Contractor shall notify Department Representative immediately if proposed cleaning and abatement procedures are insufficient to clean porous surfaces as required by this section.

Add new item 3.2.16 with the following:

3.2.16 Contractor shall notify Departmental Representative immediately if significant damage to artifacts is expected or encountered during cleaning or encapsulation. Owner representative will be made available for additional recommended preservation strategies, as required.

Add new item 3.2.17 with the following:

3.2.17 With respect to potential encapsulation work, the Contractor is expected to provide a minimum one year warranty on this work after abatement work is completed.

Add to Annex A:

Bear Creek Compound - Gold Room Gable Attic Space: