

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving - PWGSC / Réception des soumissions
- TPSGC
Room 910
410 - 22nd Street East
Bureau 910
410 - 22e rue Est
Saskatoon
Saskatchewan
S7K 5T6
Bid Fax: (306) 975-5397

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/Travaux publics et Services gouvernementaux
Canada
Suite 1650
635 - 8th Ave. S.W.
Bureau 1650
635 - 8e avenue, SO
Calgary
Calgary
Alberta
T2P 3M3

Title - Sujet Interim Underground Stab Activities	
Solicitation No. - N° de l'invitation EW702-131876/F	Amendment No. - N° modif. 004
Client Reference No. - N° de référence du client EW702-131876	Date 2014-06-04
GETS Reference No. - N° de référence de SEAG PW-\$GMP-004-6229	
File No. - N° de dossier GMP-2-35105 (004)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-06-19	Time Zone Fuseau horaire Central Standard Time CST
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: Okemaysim, Tammy	Buyer Id - Id de l'acheteur gmp004
Telephone No. - N° de téléphone (306) 975-6583 ()	FAX No. - N° de FAX (306) 975-5397
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA GIANT MINE YELLOWKNIFE, NORTHWEST TERRITORIES	

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

NOTIFICATION OF REVISION

Public Works and Government Services Canada
Giant Mine Project

Project Name: Interim Underground Stabilization Activities, Giant Mine, Yellowknife, NT
Project Number: R.014204.300

Date: Tuesday, May 27, 2014

To All Bidders:

The following changes, additions, and/or deletions are hereby made a part of the Solicitation Documents.
The addendum will form part of the Contract Documents.

1. Request for Proposal

1. In the Request for Proposal, *DELETE* the following section:

SECTION 3: TECHNICAL EVALUATION

2.1	<p><u>Proponent's Team Accomplishments - Underground Mine Access Refurbishment and Development Projects:</u></p> <p>Identify 2 project summaries (1 for contractor(s) and 1 for designer engineer(s)) that describe the proponent's team accomplishments, achievements and experience in the refurbishment and development of new access to support underground work (mining, backfilling, etc.) Reference projects should be of similar scope and greater than \$1.0 million in value. Emphasis should be on projects that have been completed within the last five years and extended over a minimum 12 month duration. Note that example projects where the contractor and design engineer have successfully worked together will be given more points in the evaluation. In addition, if the contractor and design engineer have worked together on a project, this project can be used for both project summaries. (25)</p> <p>How delivery of the project met budget, schedule, quality targets and overall client objectives (10)</p> <p>The Bidder's Project Team Members in Project Summaries and relate to Proposed Project Team for this contract. (5)</p> <p>Provide Client References - name, address, phone and email of client contact at working level. The Evaluation Board reserves the right to contact the references to verify the information provided in the bid.</p>	40
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2.2	<p><u>Proponent's Team Accomplishments – Underground Mine Backfilling Projects:</u></p> <p>Provide 3 project summaries (2 for contractor(s) and 1 for designer engineer(s)) that describe the proponent's team accomplishments, achievements, and experience in the preparation of cemented tailing paste backfill material in a cold semi-isolated environment through excavation, scraping/ripping, water management, sorting, screening and final preparation (including quality control) of source material, as well as distribution and placement of backfill materials, remote barricades, paste mix variations, and installation of underground remote monitoring (such as cameras and other methods). Reference projects to be of similar scope and greater than \$5 million in value. Note that reference projects which are of similar scope but less than \$5 million in value will not be able to obtain the maximum score for the project. Emphasis on projects that have been completed within the last five years and extended over a minimum 12 month duration. Note that example projects where the contractor and design engineer have successfully worked together will be given more points in the evaluation. In addition, if the contractor and design engineer have worked together on a project, this project can be used for both project summaries.</p> <ul style="list-style-type: none"> •Project summary for design engineer(s) (35) •Project summaries for contractor (20x2) <p>Provide information on how delivery of the project met budget, schedule and quality targets and overall client objectives (15)</p> <p>Identify Project Team Members in Project Summaries and relate to Proposed Project Team for this contract (10)</p> <p>Provide Client References - name, address, phone and email of client contact at working level. The Evaluation Board reserves the right to contact the references to verify the information provided in the bid.</p>	100
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and *REPLACE* with:

SECTION 3: TECHNICAL EVALUATION

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a minimum 12 month duration. Note that example projects where the contractor and design engineer have successfully worked together will be given more points in the evaluation. In addition, if the contractor and design engineer have worked together on a project, this project can be used for both project summaries.

- Project summary for design engineer(s) (35)

- Project summaries for contractor (20x2)

Provide information on how delivery of the project met budget, schedule and quality targets and overall client objectives (15)

Identify Project Team Members in Project Summaries and relate to Proposed Project Team for this contract (10)

Provide Client References - name, address, phone and email of client contact at working level. The Evaluation Board reserves the right to contact the references to verify the information provided in the bid.

2. Responses to RFI's:

B1-18 Stope Complex:

Q: 1. Are the cameras in the area still in working condition? Can we get an image from them with respect to the area we are going to fill?

A: 1. Some cameras remain in place and others have been removed for storage. The hardware used to view the camera images and record the digital images is available. Power and signal cable for cameras critical to the B1-18 backfilling to be completed in 2015 including cameras 11, 12, 15a, and 21, remain in place. These camera locations are shown in the B1-18 stope complex backfill completion report (Golder MSS doc. 120 – still in draft).

• **Q: 2.** What are the specs of the current backfill line (pipe) in the area? specifically the diameter?

A: 2. This information is in the solicitation package. Appendix 12 – Drawing 5 (13-1426-0010-M-003.pdf).

• **Q: 3.** What are the camera specs?

A: 3. This information is being collected and will be sent to all bidders.

Paste backfill recipes:

Q: 4. Is it the role of the design team to determine the paste backfill recipe or are the recipes discussed in the bid package to be followed?

A: 4. The design team is to develop their own paste backfill recipes that will fill the stopes with material that meets the criteria listed in the Terms of Reference (minimum 100 kPa 28 day UCS, and a flat paste profile to the level noted in the specification that is specific for each stope) using the materials allowed under the water licence.

Q: 5. Is 100 kPa the design strength for the backfill, or is this an arbitrary target for the backfill test results as presented in the bid package?

A: 5. 100 kPa (28 day uniaxial compressive strength) criteria is the minimum strength value required for all paste placed underground for this solicitation.

Q: 6. Noted that "concentrations of copper, lead and zinc in the bleed water exceeded the MMER water quality guidelines". To what extent is it the responsibility of the design team to ensure that the bleed water and long term environmental impacts of the metals adhere to guidelines? Will there be provisions for continual remediation at the site?

A: 6. The proponent is not responsible for ensuring that bleed water adheres to any guidelines.

Q: 7. The tailings on site consist of a comparatively fine grain and coarse grain material. Are the recipes for the paste backfill specific to a blended tails, or is the blend inconsequential with respect to the paste performance?

A: 7. The proponent is responsible for making paste that will meet the criteria outlined in the Terms of Reference, including any blending that may be required.

Q: 8. What are the QA/QC properties required by the client?

A: 8. The general Paste strength testing frequency is given in Section 01 29 83 Part 1.4.3.

The QA/QC testing is to be proposed by the Contractor such that the Paste delivered is shown to meet the Paste definition, attributes and performance criteria outlined in Section 31 23 23.33. Only Paste shown to meet those criteria will be paid for.

The Terms of Reference calls for details of the Contractors proposed QA/QC testing to be detailed in the Independent Testing Plan (ITP), discussed in Section 01 29 83. The ITP is to be submitted 30 days prior to work and must be acceptable to the Departmental Representative.

Stope Complex Work Plans are to include Acid-Base-accounting testing results for the proposed source of drill/ paste plant aggregate.

Backfill placement:

Q: 9. What percentage of stopes will be filled directly from surface as compared to an integrated borehole delivery system?

A: 9. B3-06 Stope voids will be filled via an underground slickline connected to a paste delivery borehole connecting surface and underground. The estimated

volume for B3-06 stope voids is 5,000 m3, representing 13.5% of the total paste for the solicitation.

Q: 10. What conclusions, if any, were obtained from the Sea Can testing with respect to barricade loads?

A: 10. Specific gravity for non-cured paste ranged from 1.9 to 2.4 depending on the mix. Early static loads on any fill fences or barricades will be equivalent to liquid head from this material.

Q: 11. A significant amount of instrumentation will be required for the placement of fill. This will need to be addressed in the costing of the project.

A: 11. The proponent is responsible to assess costs related to instrumentation required to monitor the work. The B1-18 backfilling work primarily made use of cameras and laser scanning to monitor the work.

Q: 12. Cold-weather will adversely affect the placement of backfill. This is project risk and its impact on scheduling will require quantification.

A: 12. The proponent is required to factor all weather that they intend to work in into their bid price. Note that paste backfilling activities are not required until 2015.

Barricade Design:

Q: 13. The use of expanding foam (resin) barricades is a novel approach, documents with respect to the resin barricades indicate that issues still need addressed. The issues were not listed within the report and appeared to be intentionally vague. Has further work with respect to the resin barricades been addressed?

A: 13. No further work regarding the approval of any type of expanding foam has been pursued by the project team and proponents should assume it cannot be used for the project.

Q: 14. Barricade type and quantities are unable to be addressed without investigation of the full mine plan. This is a project risk.

A: 14. There is no as-built of the mine plan and the proponent must design the work using the existing information which includes 2D level plans and 3D mine plans.

Q: 15. What are the required barricade loads that will require a Professional Endorsement (NWT) by a Structural Engineer?

A: 15. The proponent will be responsible for determination of which barricades, if any, require design by an NWT structural engineer.

Q: 16. Reference is made to potential filling of additional non-arsenic stopes close to surface – is there potential for additional stopes to be identified for filling during the project?

A: 16. For purpose of this bid package, the stopes identified in the solicitation documents are the only stopes to be backfilled.

Q: 17. Reference is made to tracked and mechanized development – is there track to be removed from tracked development prior to mechanized access and remediation?

A: 17. The proponent is not responsible for rehabilitation of existing development, rather they are to develop a plan that outlines what areas they require access to and the current care and maintenance contractor will provide safe underground access to those work areas. Therefore no track removal will be required of the Contractor.

Q: 18. Has any underground geotechnical assessment and rock mass characterization been carried out and are reports available? This is needed to assess remediation and additional support requirements.

A: 18. To repeat, the proponent is not responsible for rehabilitation of existing development, rather they are to develop a plan that outlines what areas they require access to and the current care and maintenance contractor will provide safe underground access to those points. Geotechnical reports are available but they focus on pillar stability, not ground control.

Q: 19. The amount of expected remediation needs to be clarified, as does the amount of new development.

A: 19. To repeat, the proponent is not responsible for rehabilitation of existing development, rather they are to develop a plan that outlines what areas they require access to and the current care and maintenance contractor will provide safe underground access to those points. Geotechnical reports are available but they focus on pillar stability, not ground control.

Q: 20. Is the service life of remediated and new development to be taken into account in support design?

A: 20. The care and maintenance contractor will be responsible for maintenance of safe underground access where it is required by the proponent contractor.

Q: 21. Any new portal development also needs clarification, in terms of location and geotechnical observation.

A: 21. No new underground development, including surface portals are required for this solicitation.

Q: 22. When developing new drifts in historical mine workings does probe drilling need to be undertaken before advancement?

A: 22. No new underground development is required for this solicitation.

Q: 23. Are plug designs available? Will shotcrete be able to be used instead of SCC concrete quicker curing time and hence quicker turn-around time on backfilling? for

A: 23. The proponent is responsible for development of paste fill fences or barricades. No SCC is required for this solicitation.

Q: 24. Is concrete/shotcrete delivery proposed via boreholes from surface or to be transported underground? Additional design will have to be considered for large diameter borehole slick line

A: 24. The proponent will not be required to supply shotcrete or concrete for underground as the care and maintenance contractor is responsible for ground control and safe access to work sites.