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British Columbia
V6Z 0B9
Bid Fax: (604) 775-9381

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 -
Pacific Region
800 Burrard Street, Room 219
800, rue Burrard, pièce 219
Vancouver
British C
V6Z 0B9

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|---|--|
| Title - Sujet AEC 8 Landfill Capping | |
| Solicitation No. - N° de l'invitation EZ897-171554/A | Amendment No. - N° modif. 002 |
| Client Reference No. - N° de référence du client | Date 2016-10-28 |
| GETS Reference No. - N° de référence de SEAG PW-\$PWY-022-7890 | |
| File No. - N° de dossier PWY-6-39179 (022) | CCC No./N° CCC - FMS No./N° VME |
| Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-11-03 | Time Zone Fuseau horaire Pacific Daylight Saving Time PDT |
| 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: Arthur (PWY), Carolyn | Buyer Id - Id de l'acheteur pwy022 |
| Telephone No. - N° de téléphone (604) 364-2752 () | FAX No. - N° de FAX (604) 775-6633 |
| Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: TC - Watson Lake Airport - Watson Lake, YT | |

Instructions: See Herein

Instructions: Voir aux présentes

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|--|--|
| 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 |

Les documents français seront disponibles sur demande.

This Amendment 002 is raised to address bidder questions.

Questions and Answers

1. Appendix D provided specifications for 30 mil HDPE liner for capping of landfill but drawing #4 specs a 40 mil HDPE liner cap. Please clarify.

A1: The 30 mil liner is the required liner thickness. If delivery times are too long than a 40 mil liner can be substituted for the 30 mil liner.

2. Section 31 32 19 of specification under paragraph 6.1.3 states not to proceed with liner panel placement and seaming when ambient temperatures are below minus 5 degrees Celsius. Given the time of year that this work will take place, how realistic is it that the success bidder would be able to meet this requirement?

A2: Given the time of year, shop welding the liner in panels and storing in a heated environment immediately prior to placement would also be acceptable if the ambient temperature condition can not be met. Other means of working with the liner can also be proposed if the successful bidder can demonstrate the liner can be successfully placed and welded.

3. Liner suppliers and installers have suggested that HDPE may not be the best product for this application and have suggested that LLDPE may be more suitable. Would PWGSC consider an alternate material such as LLDPE for capping the landfill.

A3: Some but not all 30 mil LLDPE from suppliers would be suitable for this application. Please submit the specifications for review and approval if you want to substitute the liner materials.

4. Is there a requirement to install geotextile included with the liner?

A4: There is no requirement to install geotextile.

5. Is a site office required?

A5: Previous projects have rented space within the airport terminal rather than mobilizing a site office. A mobile site office is not required.

6. Drawing 4 states that backfill should not be frozen. Is it fair to assume, to the degree possible to achieve this?

A6: The backfill material specifications require a relatively dry, low fines backfill material that is considered non-frost susceptible. The intent of the specification is for the successful bidder to provide material that is workable. Material that is below freezing but is workable and not frozen together in clumps is acceptable.

7. Drawing 4 shows a liner placed on the suspect landfill debris, and another liner on top of the gravel fill. Please confirm that 2 liners are the requirement?

A7: Only one liner placed on top of the final properly prepared and inspected subgrade is required.

8. Can you please confirm the material requirements for item 7 (Fill and Grade for drainage), item (subbase material) and item 10 (Fill-Import). These appear as three material requirements each with volumes, however the drawing only seems to indicate 2 materials required, Gravel and Approved Fill, while also mentioning base sand layer. Please confirm material requirements for all layers.

A8: The successful bidder can propose their choice of materials for Item 7 provided the material is capped with 20cm of the specified base sand layer. The material must be workable and free of ice and snow and capable of achieving the specified compaction level. The intent was for the successful bidder to provide a workable material that is well graded with no particles larger than 125mm in diameter. The workability typically requires less than 5% fines to ensure the material is not frost susceptible.

9. Is compaction testing (nuclear densometer) required for sub base, Liner fill and capping material?

A9: The successful bidder must provide the placed compaction results and proctor moisture density curve for each material supplied. The testing must be conducted by suitably qualified personnel. In place density measurement must be conducted and a nuclear densometer is one three types of equipment that can measure in place densities.

10. In 01 11 00 (1.1.18) there is OPTIONAL Backfill-Owner Supplied, but there is no item for this on the Unit Price Table. Is a unit rate to be provided?

A10: A unit rate for OPTIONAL Backfill-Owner Supplied is not required on the unit price table.

11. Drawing 4 states that 0.25kg of fertilizer must be placed on the landfill cap. Please clarify the requirement for fertilizer.

A11: The correct requirement is place 0.25 Kg/m² (0.25 Kg per square meter) of fertilizer. The selected fertilizer should be compatible with the method (broadcast seed /straw mat/ hydroseed, etc.) selected to satisfy the site restoration requirement.