



TENDER AMENDMENT

RETURN BIDS TO:

Parks Canada Agency
635 – 8 Avenue S.W., Suite 1300
Calgary, AB T2P 3M3
Bid Fax: (403) 292-4475

The referenced document is hereby amended: unless otherwise indicated, all other terms and conditions of the contract remain the same.

Issuing Office:

Parks Canada Agency
635 – 8 Avenue S.W., Suite 1300
Calgary, AB T2P 3M3

MODIFICATION D'APPEL D'OFFRES

RETOURNER LES SOUMISSIONS À :

Agence Parcs Canada
635 – 8 Avenue S.O., pièce 1300,
Calgary, AB T2P 3M3
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Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

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Title: Avalanche Mitigation Phase 1A, RACS, Glacier National Park		
Protection contre les avalanches, étape 1A – Systèmes de déclenchement préventif des avalanches à distance – Parc national des Glaciers		
Solicitation No.: / N° de l'invitation : 5P420-15-5283/A	Amendment No.: / N° de modification de l'invitation : 005	Date: January 25, 2016 Date : 25 janvier 2016
GETS Reference No.: / N° de référence de SEAG : PW-15-00712618		
Solicitation Closes: / L'invitation prend fin :		
At: 02:00 PM	On: January 28, 2016	Time Zone: Mountain Standard Time (MST)
À : 14h00	Le : 28 janvier 2016	Fuseau horaire : Heure normale des Rocheuses (HNR)
Address Inquiries to: / Adresser toute demande de renseignements à : Nicole Levesque-Welch		
Telephone No.: / N° de téléphone : (403) 292-4691	Fax No.: / N° de télécopieur : (403) 292-4475	Email Address: / Courriel : nicole.levesque-welch@pc.gc.ca
TO BE COMPLETED BY THE BIDDER (type or print)		
Vendor/Firm Name – Nom du fournisseur/de l'entrepreneur		
Address - Adresse		
Name of person authorized to sign on behalf of the Vendor/Firm Nom de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur		
Title - Titre		
Signature	Date	



This amendment is being raised to respond to questions submitted in response to solicitation 5P420-15-5283/A:

A. QUESTIONS AND ANSWERS:

- Q11. Section 33 42 36 - 1.7.3 and 1.9.4 suggests that there does not need to be an explosion at each target area (as long as target is within effective blast radius of the device). Considering this, it may be feasible to reduce the number of units as specified in the Unit Price table on page 13 of the Solicitation document (5P420-15-5283/A). Currently the table indicates Est. Qty of '2' for 'Fortitude', and '6' for 'Park One & Fidelity'. Would it be acceptable to adjust these numbers in the bid table to the quantity of units that is suitable for the particular RACS system (assuming the RACS system and offer meets all the other required specifications).
- A11. Adjusting the number of RACs as defined under the Invitation to Tender is not permitted.
- Q12. Section 33 42 36 (1.3.1 and 1.7.3) indicates there is a Map 009. Can you provide this map?
- A12. Contrary to the Specifications, there is no Map 009.
- Q13. Section 33 42 36 1.8.2 – 'The Contractor shall design to ensure all components operate at the environmental range experienced in Rogers Pass.' What is this range? Is this range published anywhere?
- A13. The Contractor shall design to ensure all components operate at the environmental range experienced in Rogers Pass, specifically for a location that receives equivalent weather conditions as observed in the 30-year (1981-2010) Canadian Climate Normals for Glacier NP Mt Fidelity Station. Data for this station is publically available at the following Government of Canada website:
http://climate.weather.gc.ca/climate_normals/results_1981_2010_e.html?stnID=1345&lang=&dCode=&dispBack=0&StationName=&SearchType=Contains&province=&provBut=Go&month1=0&month2=11&submit=View (or general page: https://weather.gc.ca/canada_e.html).
- Q14. Section 33 42 36 - 1.9.12 – Assuming it is possible to fly with armed explosives over a closed road, will it be possible to delay traffic for a few minutes (essentially close a corridor to traffic briefly) once or twice per year in October, to accommodate transport of armed explosives over the highway?
- A14. No, the referenced section does not permit armed explosives to be flown over a public road, highway or facility.
- Q15. If the answer to Q14 is no, will Parks Canada be able to provide suitable explosive arming locations on both the north and south sides of the highway, assuming the distance away from the highway meets all applicable regulations?
- A15. See Section 33 42 39 Clause 1.9.11.
- Q16. We understand in Section 33 42 36 - 1.9.13 that there is no ability to construct additional facilities. Can we assume that there would be available space in a Parks Canada explosives magazine at Rogers Pass in order to store explosives required for RACS for a short time in October each year until they are positioned at the RACS sites for the winter?
- A16. Short term storage of explosives intended to be used in the proceeding control period will be stored in the Parks Canada explosives magazine.
- Q17. Section 33 42 36 – 1.9.13 indicates 'The system shall not require, nor shall the Contractor construct, any infrastructure or facilities additional to those provided by PCA or outlined in this Contract. This does not include storage facilities for spare parts used for routine maintenance, construction of which will be incidental to the work.' If a RACS system requires 20 m2 of storage space for system components for approximately five months per year (May to September), will this be available?
- A17. No, this is not available. Section 33 42 36 Clause 1.9.13 refers to the storage requirements for spare parts only, not operational components during the off season



- Q18. Since the Solicitation Closing date has been extended from January 12 to January 28, will the Interim Completion (Design, Supply and Storage) date of April 29 date be extended as well?
- A18. No
- Q19. Are RACS devices required to have approval from the BC Safety Authority?
- A19. All licensing and permitting requirements of the British Columbia Safety Authority are to be abided by. For details of licensing and Permit requirements, it is the responsibility of each bidder to contact any authorities directly.
- Q20. Does Glacier National Park have storage facilities for removable RACS such as the Wyssen Tower and O'Bellx?
- A20. No storage facilities are available beyond those addressed in Section 33 42 36 Clause 1.9.13.
- Q21. Is it possible to fly an armed magazine over the Trans-Canada Highway even if closed?
- A21. No. Refer to Section 33 42 36 Clause 1.9.12.
- Q22. Is the Parks Canada Agency willing to incur annual maintenance fees to a supplier or contractor associated with RACS?
- A22. Annual maintenance is not covered in this Tender and will be addressed separately by Parks Canada at their discretion.
- Q23. Does the Parks Canada Agency have storage capabilities for additional explosives in existing explosive storage areas or is more explosive storage required?
- A23. See A16 above.
- Q24. The question to answer 10 indicates there are a number of unexploded ordnances in the area but the number, type and setting will be provided to the contractor following contract award. Since the contractor is responsible for performing not only a detailed ground survey but also the destruction of said ordnances, the determination of cost is quite impossible without this information. Cannot that information be issued before the bid submission to mitigate that uncertainty in quoting?
- A24. There are a number of unexploded ordnances in the area. A detailed list of these unexploded ordnances will be provided to the Contractor following Contract Award. The Contractor is responsible for performing a detailed ground survey according to Section 33 42 36, Clause 2.1.3 of the extents of their construction footprint. Removal of any discovered unexploded ordnances is covered separately under Section 01 21 00 Clause 1.3.5.
- Q25. Will Parks Canada require a full time environmental monitor on site during the construction?
- A25. A full time environmental monitor will not be required so long as the Contractor conforms to Section 01 35 43, Environmental Procedures.
- Q26. Does the Rogers Compound area have a proper heliport? Can the crew park their vehicles at this location and be transported to site? Can we fuel and store the helicopter at this location?
- A26. The Rogers Pass Compound area is not available at all for use for this Work. Refer to Addendum #3. Contrary to Addendum #3, helicopter, fuel and support equipment storage at Fidelity Campground is permitted. The Contractor will be responsible for setting up his equipment in the permitted area at Fidelity Campground
- Q27. Will the waste materials from site excavation (i.e. brush, grubbing, common excavation, drill cuttings and scaled rock) need to be removed off the mountain side or can they be secured within the work area?
- A27. All waste materials are to be disposed of outside of the National Park by the Contractor unless authorized by the Departmental Representative.



Q28. The contractor shall employ ACMG certified mountain guides and SPRAT or IRATA certified rope access technicians as necessary to ensure safety of workers". Does this apply to all workers up on the job site at Cougar Corners?

A28. This Project does not include a work site at Cougar Corner.

Q29. Is there a record of unexploded ordnances in the work area? Does the removal or detonating of unexploded ordnance once located within the work site get paid for under the Prime Cost Sum?

A29. Yes, see Section 01 21 00 Clause 1.3.5.

Q30. Sec 01 21 00 – Prime Cost Sum question - If our geotechnical engineer accesses the existing work site and needs scaling and rock bolting, is this paid under the Prime Cost Sum or does this refer to some other issues that might arise during our review to ensure a safe work sight?

A30. With the exception of the scaling related to site access as described in Section 33.42.36.2.2.6, all other scaling work required to address long term operational safety of the site including additional rock bolting will be covered under Prime Cost Sum as approved by the Departmental Representative. The Departmental Representative will take into consideration all additional geotechnical studies in making his/her decision.

Q31. Is all scaling and rock bolting required to ensure a safe work site and to safe guard against future damage to the new RACS installation is paid for under the Prime Cost Sum?

A31. With the exception of the scaling related to site access as described in Section 33.42.36.2.2.6, all other scaling work required to address long term operational safety of the site including additional rock bolting will be covered under Prime Cost Sum as approved by the Departmental Representative. The Departmental Representative will take into consideration all additional geotechnical studies in making his/her decision.

Q32. What inspections and maintenance is the contractor obliged to due during the one-year warranty period?

A32. The Contractor is required to complete all inspections as required by the RACs manufacturer, as recommended by any of the additional system Design Engineers, or as a result of the studies carried out as part of the installation of the snow netting system.

Q33. Can epoxy resin be used in place of cementitious grout for the rock anchors?

A33. Yes epoxy resin may be used provided that it has an equivalent life cycle and is approved for use for the environmental and load conditions expected. An equivalent quality assurance program would be needed which would need to be approved prior to the use of epoxy resin by the Departmental Representative.

Q34. How Many PCA Staff are to be trained?

A34. Refer to Section 33 42 36 Clause 2.8.2.1.

All other terms and conditions remain the same.