



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.

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

MODIFICATION D'APPEL D'OFFRES

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Agence Parcs Canada
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Title: Trans-Canada Highway Yoho Twinning km 82-88, Mount Bosworth RACS, Yoho National Park		
Solicitation No.: / N° de l'invitation : 5P420-16-5189/A	Amendment No.: / N° de modification de l'invitation : 004	Date: September 29, 2016 Date : 29 septembre 2016
GETS Reference No.: / N° de référence de SEAG : PW-16-00744758		
Solicitation Closes: / L'invitation prend fin :		
At: 02:00 PM	On: October 5, 2016	Time Zone: Mountain Daylight Time (MDT)
À : 14h00	Le : 5 octobre 2016	Fuseau horaire : Heure avancée des Rocheuses (HAR)
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



AMENDMENT 004

This amendment is being raised to respond to questions submitted by bidders in response to solicitation 5P420-16-5189/A:

A. QUESTIONS AND ANSWERS

Q1. For all our RACS we are using an explosive charge of maximum 4kg (3 kg in Europe) with a very high satisfactory rate from our customer. What would justify this change?

A1. The client specified the desired explosive charge and there shall be no deviation from this specification.

Q2. In the past, the required charge was equivalent of 3 kg of TNT, why this requirement is not good for this project?

A2. The client specified the desired explosive charge and there shall be no deviation from this specification.

Q3. We are using a charge equivalent of 4 kg of TNT in the snowpack, and wonder what formulation comparison would be used to get 12.5 kg ANFO equivalence in under snow.

A3. It is the Contractor's responsibility to determine if alternatives will be equivalently effective to the noted explosive sizes and types. It is the Contractor's responsibility to ensure that the design meets all the performance requirements, and it is the Contractor's responsibility to demonstrate that the design meets all the performance requirements if compliance is in question.

Q4. Transport Canada regulations are that primed explosives cannot flown under a helicopter. The tender states (ref.: Performance requirements 1.8.10 (page 75) that primed explosives shall not be flown over public utilities. Does Parks Canada have permission for a supplier to deviate from those regulations and directives? If so we would appreciate having this in writing available to all suppliers.

A4. Please refer to Section 02-61-33, Clause 1.5.1 and Section 33-42-36, Clause 1.7.3. The Contractor shall comply with all pertinent, current codes and regulations.

Q5. The performance requirements of Phase 1A (1.9.11 – page 79) Arming of explosives shall take place at a RACS operational deployment site.... The performance requirements of Phase 2A (1.9.11 – page 79) Arming of explosives shall take place at a RACS operational deployment site, that is the final installed location of each RACS units in its designated location within or adjacent to the start zone as... In reference of the Performance requirements 1.8.10 (page 75) last paragraph: The arming location must be approved by the departmental representative prior to arming. Can in fact the arming take place at an area other than the RACS operational site?

A5. Arming may take place at an area other than the RACS operational deployment site subject to the approval of the Departmental Representative. Please see below for changes to Specifications.

B. CHANGES TO SPECIFICATIONS

Remove Section 02-61-33, Clause 1.8.4.6

Arming of explosives shall take place at a RACS operational deployment site, to be approved by the Departmental Representative prior to arming. Arming at any other location is not permitted.

Insert Section 02-61-33, Clause 1.8.4.6

Arming of explosives shall take place at a RACS operational deployment site, that is the final installed location of each RACS, or at a location approved by the Departmental Representative prior to arming. Contractors shall assume that RACS must be armed at the operational deployment site during bidding. After Contract Award, the Contractor may request permission from the Departmental Representative to arm at another location, but the Departmental Representative may accept or refuse the request.



Remove Section 33-42-36, Clause 1.8.3

The Contractor shall ensure that each target is within the effective blast radius of at least one RACS for the described avalanche paths. No required number of RACS units has been specified in this Contract. The Contractor is responsible for supplying an adequate number of RACS units in order to control the required targets. Therefore, the total number of RACS units may not necessarily equal the total number of targets controlled. Payment will be made per target controlled, not per RACS unit supplied.

Insert Section 33-42-36, Clause 1.8.3

The Contractor shall ensure that each Control Target and the whole of each Control Target Area shown on Drawing 002 is within the effective blast radius of at least one RACS. Please note that the displayed Control Targets are those currently used by the Avalanche Control Team and it is desirable that maximum blast effect is focused at the Control Targets. No required number of RACS units has been specified in this Contract. The Contractor is responsible for supplying an adequate number of RACS units in order to control all Control Targets and Control Target Areas shown on Drawing 002. Therefore, the total number of RACS units may not necessarily equal the total number of targets controlled. Payment will be made per target controlled, not per RACS unit supplied.

Remove Section 33-42-36, Clause 1.8.26

The Contractor shall ensure that safety measures are in place for worker access to all RACS components in any season, and that these comply with industry best practices and BC MoTI – 2012 Standard Specifications for Highway Construction. The design, supply and installation of permanent rock fall mitigation systems is considered incidental to the work and no separate payment shall be made.

Insert Section 33-42-36, Clause 1.8.26

The Contractor shall ensure that safety measures are in place for worker access to all RACS components when snow is not present at the location, and that these comply with industry best practices and BC MoTI – 2012 Standard Specifications for Highway Construction. The design, supply and installation of permanent rock fall mitigation systems is considered incidental to the work and no separate payment shall be made.

Remove Section 33-42-36, Clause 1.8.30

RACS must be able to deliver, as a minimum, the following number of explosions at each target (see drawings) in one avalanche season, without requiring replenishment of any parts or supplies. Any deviation from these numbers shall be subject to approval by the Departmental Representative.

Insert Section 33-42-36, Clause 1.8.30

RACS must be able to deliver, as a minimum, the following number of explosions at each target (see drawings) prior to requiring replenishment. Any deviation from these numbers shall be subject to approval by the Departmental Representative.

Insert Section 33-42-36, Clause 1.8.32

The Contractor shall ensure that the design includes a minimum of two RACS units per slide path.

Remove Section 33-42-36, Clause 2.1.1

The Staging Area for this work is Niblock Pit, located approximately 500m NW of the TCH on Highway 93N, as shown on Drawing 001 and the Staging Area KMZ file. The area available for staging at this location is ~1000 square meters. The Staging Area will be closed for public use, suitable for helicopter operations, and suitable for storage of fuel and support equipment/supplies according to Section 01 35 43. The Contractor is responsible for preparing the Staging Area to the specifications of Clause 2.2 Work Site Preparation, this Section. The designated area will be the laydown for materials receiving and storage during Construction.



Insert Section 33-42-36, Clause 2.1.1

The Staging Area for this work is Shale Pit, located at TCH km 75.5, as shown on Drawing 001 and the Staging Area KMZ file. The area available for staging at this location is ~1000 square meters. The Staging Area will be closed for public use, suitable for helicopter operations, and suitable for storage of fuel and support equipment/supplies according to Section 01 35 43. The Contractor is responsible for preparing the Staging Area to the specifications of Clause 2.2 Work Site Preparation, this Section. The designated area will be the laydown for materials receiving and storage during Construction.

C. CHANGES TO REFERENCE DOCUMENTS

Remove: Drawing 002 Remote Avalanche Control Targets.

Insert: Dwg 002 Remote Avalanche Control Targets Rev 01.

Remove: TCH Avalanche Mitigation Bosworth RACS – Specs Rev 1

Insert: TCH Avalanche Mitig Bosworth RACS – Specs Rev 2

All other terms and conditions remain the same.