



<p>RETURN BIDS TO/RETOURNER LES SOUMISSIONS À:</p> <p>Bid Receiving - Environment Canada / Réception des soumissions – Environnement Canada</p> <p>Electronic Copy: ec.soumissions-bids.ec@canada.ca</p> <p>BID SOLICITATION AMENDMENT MODIFICATION DE LA DEMANDE DE SOUMISSIONS</p> <p>The referenced Bid Solicitation is revised in this document; unless otherwise indicated, all other terms and conditions of the Bid Solicitation remain the same.</p> <p>La demande de soumissions citée en référence est modifiée dans ce document; sauf indication contraire, les modalités de la demande de soumissions demeurent les mêmes.</p>	<p>Title – Titre Cableway Upgrades and Repairs - Water Survey of Canada Station at Klinaklini River East Channel, British Columbia (08GE002)</p>	
	<p>EC Bid Solicitation No. /SAP No. – N° de la demande de soumissions EC / N° SAP 5000057958</p>	<p>Amendment No. - N° de modification 003</p>
	<p>Amendment Date (YYYY-MM-DD) – Date de la modification (AAAA-MM-JJ) 2021-06-16</p>	
	<p>Bid Solicitation Closes (YEAR-MM-DD) - La demande de soumissions prend fin (AAAA-MM-JJ) at – à 3:00 P.M. on – le 2021-06-21</p>	<p>Time Zone – Fuseau horaire Pacific Daylight Time (PDT)</p>
	<p>F.O.B – F.A.B See herein</p>	
	<p>Address Enquiries to - Adresser toutes questions à Garvin.Suepaul@canada.ca</p>	
	<p>Telephone No. – No de téléphone 613-295-4823</p>	<p>Fax No. – No de Fax N/A</p>
	<p>Delivery Required (YEAR-MM-DD) – Livraison exigée (AAAA-MM-JJ) See herein</p>	
	<p>Destination of Services / Destination des services Klinaklini River East Channel (Main) near the Mouth, British Columbia (Lat : 51° 08' 41.2" N; Long : 125° 35' 39.7" W)</p>	
	<p>Security / Sécurité See herein</p>	
<p>Vendor/Firm Name and Address - Raison sociale et adresse du fournisseur/de l'entrepreneur</p>		
<p>Telephone No. – N° de téléphone</p>	<p>Fax No. – N° de télécopieur</p>	
<p>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)</p>		
<p>Signature</p>	<p>Date</p>	



AMENDMENT No. 003

Amendment 003 of Solicitation # **5000057958** is raised to answer questions from Suppliers.

QUESTIONS (Q) AND ANSWERS (A)

Q1. Drawing -02:

- a. Identify the home side and far side on the plan.
- b. Identify if there is existing access to either side?
- c. Distance from roads edge to home side? To far side?

A1.

- a. On DWG-02 Station Map, the right side of the diagram is the Home Side. Facing downstream (as indicated by the arrow) the Home Side is the Right Bank.
- b. Not known – use your own estimates
- c. Not known – use your own estimates

Q2. Drawing -03:

- a. Existing tower and foundation elevation compared to river level?
- b. Information of soil condition? Ground water level?
- c. What if water level does not allow for works as per specifications?
- d. Tower foundation connection distance from water's edge?

A2.

- a. The elevation of the base of the left bank tower (short one) is 15.087m. The elevation of the right bank tower (tall one) is about 7.832m. These values are referenced off of the historical water levels https://wateroffice.ec.gc.ca/search/historical_e.html for station 08GE002.
- b. We do not have a composition of the soil conditions or the ground water level.
- c. Answer assumes this question is asking if water level is above bottom of excavation. There is a chance the water level will be above the bottom of the excavation, we are expecting an excavation will be able to place the steel anchor plate at the proper location, even with water in the excavation.
- d. This depends on water level.

Q3. Section #011100 Summary of Works

- a. 1.6.3 "...completed between July 1, 2021 and July 21, 2021". Concern on the water level for completion at this time. Available information on ground water and river levels? Extension possible for completion?
- b. 1.6.4 "... 8:00 am to 4:00 pm. ECCC work outside of these hours will require advance approval". Are contractors allowed to work outside these hours?

A3.

- a. See answer A2.a. for water level information.

DELETE:

Section #011100 Summary of Works 1.6.3 "...completed between July 1, 2021 and July 21, 2021"

REPLACE WITH:

Section #011100 Summary of Works 1.6.3 "...completed between July 1, 2021 and February 28, 2022"

- b. Yes.



Q4. Section #011400 Work Restrictions

- a. **1.3.2 “...sanitary facilities for Work force...” Confirm that facilities are required?**
- b. **1.5.2 “...Any damage caused to the access road/ trails...must be repaired... to the satisfaction of the Department Representative at the sole expense of the Contractor.”**
 - i. **Any available photos of the existing access road/ trails?**
 - ii. **Identification of the access road/ trails?**
 - iii. **Broad statement. Discretionary and without definable limits. Access will be needed for equipment and works. Seeding?**
- c. **1.7.1 “Submission of tender is deemed to be confirmation that the Contractor has reviewed all available site information and is familiar with all conditions or restrictions effecting erecting and completion of the works”**
 - i. **Can you provide all available photos? Copy of past work card information? Offset distance from rivers edge? Elevation compared to river and record time? Geotechnical information? Ground water level information?**
 - ii. **Access to the site is limited and all client information is requested.**
- d. **1.7.3 “Monitor river flows and ensure that the work is protected from high flows at all times”**
 - i. **See 4c above request**
- e. **1.9 “Supervisory Personnel”**
 - i. **Can the Site superintendent perform the requirements of the both defined as “Project Superintendent” and “Health and Safety Coordinator”?**

A4.

- a. 1.3.2: Confirmed. To clarify, no human waste is to remain on-site or in the vicinity of the work area, it is to be transported off-site for proper disposal.
- b. Question is likely asking about 1.3.3 and 1.3.4: Addressing items i through iii:
Section #011400 Work Restrictions Access 1.3.4 states:
“Any damage caused to the access road/trails by construction equipment must be repaired which may include re-grading, levelling and seeding, to the satisfaction of the Departmental Representative at the sole expense of the Contractor.”

Clarification: Depressions from machinery must not provide a path for water to flow.
- c. i)
Photos are limited, the ones provided on DWG-02 were selected as the most representative photos available. No information is available on previous work cards. The estimated width of the river is 50m at low water level, the span of the cable is 193m.
Historical water levels https://wateroffice.ec.gc.ca/search/historical_e.htm for station 08GE002. Ground water level is not known.
- ii)
Relevant information has been presented.
- d. Water levels may fluctuate and it is the contractor’s responsibility to ensure all assets are in a location that they will not be moved downstream.
- e. Yes.

Q5. Section #013216.19 Construction Project Schedule

- a. **1.2.4 “Construction Work Week: Monday to Friday, inclusive, will provide a 5 day work week and define schedule calendar working day.....”**
 - i. **This is a remote site and is out of town work. Work crews are expecting 7 day work weeks with extended hours.**
- b. **1.4.2 “.. within 15 working days of award of Contract... Master Plan...”**



c. 1.4.3 “Submit Project Schedule...within 15 working days of receipt of acceptance of Master Plan”

i. Tender outline identifies “Anticipated period of the contract is from contract award to July 21, 2021.

1. Insufficient time to complete works

A5.

- a. Using 7 day work weeks are acceptable.
- b. See answer to question three above.
- c. See answer to question three above.

Q6. Section #013543 Environmental Procedures

a. 1.4.51 This work can be performed by Site Superintendent or is there a QEP being provided on the site?

A6.

- a. The work described in this section is the responsibility of the Contractor. ECCC may hire a Qualified Environmental Professional to review the process during construction.

Q7. Section #014500 Quality Control

a. 1.3.3 What is the scenario if the Inspector does not show at the prescribed time?

b. 1.3.4 What is the recovery if the examined work meets the approval?

A7.

- a. The Contractor is to notify the Department Representative when they are ready to have the work inspected, provide 72 hours notice. The Department Representative will aim to be on site for the agreed date and time. However, in the case of travel or other delays by ECCC, the Contractor can conduct parallel work that does not rely on ECCC's inspection, if possible.
- b. In the event that testing is completed and the examined work meets the specifications or drawing criteria, ECCC will issue a Change Order for the incurred expense to the Contractor.

Q8. Section #015100 Temporary Utilities

a. 1.4 Dewatering; This component can be costly, no geotechnical or ground water level information has been provided. Unknown what to allow, provide or expect? Request information or understanding limits

A8.

- a. The statement states “If necessary...” therefore if you were able to place the steel plate anchor at the correct depth and orientation then no dewatering would be necessary. Water level depth and geotechnical characteristics are not known.

Q9. Section #051633 Steel Wire Rope Cabling

a. 2.3.2 “The Department representative will supply the contractor with all.....for the finished product. Installation quantities may be more and the responsibility of the Contractor”

i. The 2 sentences do not match up?

A9.

- a. The intent of this sentence was to highlight that ECCC will provide materials equal to the finished quantities required. Example: If fist grips are to be used during a temporary “installation” process, then these fist grips cannot be used in the final installation. This is per Section 01 61 00 Common Product Requirements 1.1.1
If wires, shackles, or pulley blocks are required to help install the infrastructure, these are the responsibility of the Contractor.

Q10. Section #311100 Clearing and Grubbing



- a. **2.1.1. “Provide temporary erosion and sediment control..... according to the requirements of the authorities having jurisdiction”**
 - i. **No information has been provided on the ground, elevation, water table, accurate distance from the water, ... Difficult to allow for everything due remoteness and not knowing what to expect?**
- b. **2.3.1 “... Tree removal cannot be conducted without approval from the Department Representative”**
 - i. **No field information provided on trees. There may be trees/ brush removal required in order to get access to the site and for work done prior to arrival by representatives??**

A10.

- a. Standard practices are to be followed. Cover excavated material if precipitation is expected, provide a silt fence or system to prevent suspended solids from being transported into the river.
- b. Tree removal shall be minimized as much as possible, and shall be limited to the following:
 - Creating access to cableway components that need installation, removal or replacement (e.g. access to footings and anchors)
 - Locations where new cableway components will be installed (e.g. location of new anchors or footings)

Q11. Section #312333.01 Excavating and Backfilling

- a. **1.3.1 Quality Control**
 - i. **Excavation stability/ water/ field conditions may be such that excavation may not be such to allow for it to remain open. What to do in this scenario??**
- b. **3.3.1 Keep excavation clean, free of standing water and loose soil**
 - i. **No geotechnical information has been provided. Field conditions may not be such as to allow. How to handle? Resolve? Understanding? Agreement?**
- c. **3.6 Dewatering and Heave Prevention**
 - i. **There has been no geotechnical or field information that allows for the design or costing or methodology to attain. How to handle? Resolve? Understanding? Agreement?**
- d. **3.7.10**
 - i. **What do we do if the excavation is not stable?**
- e. **3.8 Backfilling:**
 - i. **What do we do if the excavation is not stable and Representative is not available?**

A11.

- a. The steel plate anchors are required to be placed at the depth shown on the drawings.
- b. Section #312333.01 Excavating and Backfilling 3.3.1:
 - DELETE:
 - “Keep excavations clean, free of standing water, and loose soil.”
 - REPLACE WITH:
 - “N/A”
- c. Section #312333.01 Excavating and Backfilling 3.6.1:
 - DELETE:
 - “Keep excavations free of water while Work is in progress.”
 - REPLACE WITH:
 - “N/A”
- d. Plan ahead to make placement of steel plate anchor to the correct depth and orientation possible.
- e. Department Representative must inspect placement of anchor plates prior to backfilling.



Q12. Has a laydown area been established, identified?

A12. No laydown area has been established or identified.

Q13. Are there any specific restrictions with regard to laydown or camp areas?

A13. If camping, no material is to remain after work is complete. Food and toiletries must be located a safe distance from sleeping area to reduce encounters with wildlife. The Contractor must provide sanitary facilities for Work force in accordance with governing regulations and the Environmental Procedures for this project.

Q14. Are there any restrictions with watercraft and air landing sites?

A14. For air landing, there is a helipad near the cableway that can be used. There are no watercraft landing restrictions that we are aware of.

Q15. Has the budget been approved?

A15. Yes

Q16. What is the budget?

A16. Under \$200,000

Q17. Are all permits (if any) in place and authorized?

A17. ECCC has applied for and obtained approval for the required permits. The least risk fish window ends on September 15, 2021. For work occurring outside of this window (i.e. after September 15, 2021), ECCC will need to reapply for permitting, which can take up to 45 days. The Contractor will not be required to apply for any permits.

Q18. Where will the pre job meeting be held? presume at site – if so what will the transport arrangements be and who will pay them?

A18. The pre-construction meeting will be held virtually.

Q19. It is well know that there are a huge number of grizzly bears in the vicinity and that activity at times is high. Can you provide any information on activity near the site from those with ECCC or other groups that have been /are working near the site previously?

A19. The site is located within the Great Bear Rainforest. The ECCC station technician said he has seen bears at Klinaklini around 6 times; grizzlies have used the bridge a couple of times when he was there, and a black bear swam across under the bridge once when he was on it. For more information, refer to: https://www2.gov.bc.ca/assets/gov/environment/plants-animals-and-ecosystems/wildlife-wildlife-habitat/grizzly-bears/grizzly_bear_pop_est_report_2018_final.pdf

Best management practices for living in the wilderness must be followed to preserve wildlife. Local indigenous groups, Fisheries and Oceans Canada (DFO) and/or the BC Conservation Officer service can be good people to enquire with for further information.

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