



Return Bids to :

Natural Resources Canada
Bid Receiving Unit – Mailroom
Loading Dock
588 Booth Street,
Ottawa, ON, K1A 0E4
Attention: Jinping Wei

Retourner Les Soumissions à :

Ressources Naturelles Canada
Unité de réception des soumissions - Salle
du courrier
Quai de chargement
588 rue Booth,
Ottawa, ON, K1A 0E4
Attention: Jinping Wei

**Request for Proposal (RFP)
Demande de proposition (DDP)**

Proposal To: Natural Resources Canada

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

Proposition à: Ressources Naturelles Canada

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments – Commentaires

Issuing Office – Bureau de distribution

Finance and Procurement Management
Branch
Natural Resources Canada
580 Booth St.
Ottawa, ON
K1A 0E4

Title – Sujet National Flood Hazard Data Layer	
Solicitation No. – No de l'invitation NRCan-5000050343	Date January 22, 2020
Requisition Reference No. - N° de la demande 156594	Amendment No. – Modification No 001
Solicitation Closes – L'invitation prend fin at – à 02:00 PM (Eastern Standard Time (EST)) on – le March 2, 2020	
Address Enquiries to: - Adresse toutes questions à: Jinping.wei@canada.ca	
Telephone No. – No de telephone 343-292-7352	Fax No. – No. de Fax
Destination – of Goods and Services: Destination – des biens et services: 580 Booth Street Ottawa, ON Ottawa, ON K1A 0E4	
Security – Sécurité There is no security requirements associated with this requirement.	
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No.:- No. de téléphone: Facsimile No.: - No. 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



This solicitation amendment (001) is raised to modify the tasks, deliverables, and milestones; and to correct typos.

THE RFP IS AMENDED PER THE FOLLOWING:

AT: ANNEX “A” – STATEMENT OF WORK, 2.0 BACKGROUND, Flood Hazard and Flood Risk Mapping in Canada

DELETE: In its entirety

INSERT: The following in its entirety:

Flood Hazard Mapping in Canada

Flooding is the temporary inundation by water of normally dry land, and it can occur in coastal and lake areas, along rivers, from stream blockages including ice jams, from failure of engineering works including dams, from extreme rainfall, rapid snow/ice melt or poor drainage characteristics, and other sources. Flood mapping that accurately delineates flood hazards, including those impacted by future conditions due to anticipated development or projected changes in climate, serves as the precondition for effective flood risk mitigation activities.

In Canada, flood management is primarily the responsibility of the provinces and territories, and is often delegated to municipalities through legislation. Therefore, most flood management activities including mapping, planning, preparation, response and recovery are executed at the ‘local’ rather than provincial, territorial or federal levels. Provincial legislation generally includes provisions requiring municipalities to undertake flood mitigation and response actions, including mapping initiatives, deemed necessary in the public interest.

Flood mapping in Canada has occurred under several different programs, including the Flood Damage Reduction Program (1975 – 1996), the National Disaster Mitigation Program (2015 – 2020), and a large number of provincial, municipal, and other initiatives.

The current picture of flood mapping in Canada is that there is little consistency between jurisdictions, and many flood hazard maps are missing or out of date. This presents a challenge for understanding and communicating flood hazard and flood risk across Canada.

Natural Resources Canada (NRCan), through the Canada Centre for Mapping and Earth Observation (CCMEO), Canada’s national mapping agency, actively contributes to the development and advancement of flood mapping practices by providing leadership, advice, expertise, and technical resources in the area of Federal Flood Mapping Guidelines Series development, stakeholder engagement and data sharing.

NRCan is also actively collecting information in an effort to fully understand and share knowledge about the state of flood mapping in Canada.

Moreover, during major flood events in Canada, NRCan provides the Government Operations Centre near real-time delineations of inundation extents, derived from satellite imagery.

AT: ANNEX “A” – STATEMENT OF WORK, 4.1 Tasks

DELETE: “Date Acquisition”

INSERT: “Data Acquisition”

AT: ANNEX “A” – STATEMENT OF WORK, 4.3 Deliverables

DELETE: “Prototype as described in Task 6 section 4.4 Tasks”

INSERT: “Prototype as described in Task 8 section 4.4 Tasks”



AT: ANNEX “A” – STATEMENT OF WORK, 4.4 Tasks Schedule
DELETE: Table in its entirety
INSERT: The table below in its entirety

TASKS	DELIVERABLES/MILESTONES	TIMING
1. Project Kick-off Meeting (with NRCan)	Contractor will participate in a project kick-off meeting with NRCan to discuss the project and clarify expectations. NRCan will lead the call.	Within 1 week of contract award
2. Flood Map Inventory and Collection	Contractor will create an inventory of flood maps in Canada and start gathering digital data and map services.	March 20, 2020
3. Engagement	Contractor will conduct engagement with contact list provided by NRCan and other parties identified by the contractor to research criteria for a common schema and data format and data exchange mechanisms for the NFHDL	August 01, 2020
4. Draft NFHDLS schema	Propose common schema and data format and data exchange mechanisms for the NFHDL	September 01, 2020
5. Stakeholder Review	Present proposed schema to stakeholders for feedback. Make proposed changes for final acceptance	September 15, 2020
6. Data Submission	Contractor will submit digital flood mapping data to NRCan in an agreed-upon format.	September 30, 2020
7. Final Report	Contractor will prepare a final report to present all project findings to NRCan.	December 01, 2020
8. Prototype	Contractor will provide a prototype (ie. Data extraction mechanisms, as well as a database with a script that would update/maintain the web services).	March 31, 2021



AT: APPENDIX "2" – FINANCIAL PROPOSAL FORM
DELETE: Table in its entirety
INSERT: The table below in its entirety

Mile-stone #	Description of Milestone	Milestone Firm Price (applicable taxes excluded)
1	25% of the total price for the work following delivery and acceptance by the Project Authority of the deliverables for Task 1 and Task 2 as described in Annex A.	\$ _____
2	15% of the total price for the work following delivery and acceptance by the Project Authority of the deliverables for Task 3, Task 4 and Task 5 as described in Annex A.	\$ _____
3	20% of the total price for the work following delivery and acceptance by the Project Authority of the deliverables for Task 6 and Task 7 as described in Annex A.	\$ _____
4	40% of the total price for the work following delivery and acceptance by the Project Authority of the deliverables for Task 8 and all previous tasks as described in Annex A.	\$ _____
Total Firm Price for Financial Proposal Evaluation:		\$ _____