





**TABLE OF CONTENTS**

**PART 1 - GENERAL INFORMATION ..... 4**

1. Introduction ..... 4

2. Summary ..... 4

    2.1 Security Requirement ..... 4

    2.2 Applicable Trade Agreements ..... 4

    2.3 Debriefings ..... 5

**PART 2 - BIDDER INSTRUCTIONS ..... 6**

1. Standard Instructions, Clauses and Conditions ..... 6

2. Submission of Bids ..... 6

3. Enquiries - Bid Solicitation ..... 7

4. Applicable Laws ..... 7

5. Improvement of Requirement During Solicitation Period ..... 7

6. Basis for Canada's Ownership of Intellectual Property ..... 7

**PART 3 - BID PREPARATION INSTRUCTIONS ..... 8**

1. Bid Preparation Instructions ..... 8

**PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION ..... 11**

1. Evaluation Procedures ..... 11

    1.1 Mandatory Technical Criteria ..... 11

2. Point Rated Technical Criteria ..... 13

3. Basis of Selection ..... 16

**PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION ..... 17**

1. Certifications Required with the Bid ..... 17

    1.1 Declaration of Convicted Offences ..... 17

2. Certifications Precedent to Contract Award and Additional Information ..... 17

    2.1 Integrity Provisions – List of Names ..... 17

3. Additional Certifications Precedent to Contract Award ..... 18

    3.1 Status and Availability of Resources ..... 18

    3.2 Rate or Price Certification ..... 18

    3.3 Education and Experience ..... 18

    3.4 Former Public Servant ..... 18

    3.5 Aboriginal Designation ..... 20

**PART 6 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS ..... 21**

1. Security Requirements ..... 21

2. Insurance Requirements ..... 21

**PART 7 - RESULTING CONTRACT CLAUSES ..... 22**

1. Statement of Work ..... 22

2. Standard Clauses and Conditions ..... 22

    2.1 General Conditions ..... 22

    2.2 Supplemental General Conditions ..... 22

3. Term of Contract ..... 23

    3.1 Period of the Contract ..... 23

4. Authorities ..... 23

    4.1 Contracting Authority ..... 23

    4.2 Project Authority ..... 23

    4.3 Contractor's Representative ..... 24

5. Proactive Disclosure of Contracts with Former Public Servants ..... 24

6. Payment ..... 24

    6.1 Basis of Payment – Firm Price, Firm Unit Price(S) or Firm Lot Price(s) ..... 24

    6.2 Method of Payment ..... 24

7. Invoicing Instructions ..... 24

Invoicing Instructions to suppliers: <http://www.nrcan.gc.ca/procurement/3485> ..... 25

8. Certifications ..... 25



---

8.1	Compliance.....	25
9.	Applicable Laws.....	25
10.	Priority of Documents.....	25
11.	Foreign Nationals (Canadian Contractor OR Foreign Contractor).....	25
12.	Contract Administration.....	25
<b>ANNEX "A" – STATEMENT OF WORK .....</b>		<b>26</b>
SW1	Title.....	26
SW2	Background .....	26
SW3	Objective .....	26
SW4	Tasks, Deliverables, Milestones and Schedule .....	26
SW4.1	Tasks.....	26
SW4.2	Deliverables.....	27
SW4.3	Schedule .....	28
<b>ANNEX "B" – BASIS OF PAYMENT .....</b>		<b>29</b>
1.	Taxes as Related to Bids Received.....	29
2.	Funding Limitation .....	29
3.	Milestone Payments.....	29



---

## PART 1 - GENERAL INFORMATION

### 1. Introduction

The bid solicitation is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information:** provides a general description of the requirement;
- Part 2 Bidder Instructions:** provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions:** provides bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection:** indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;
- Part 5 Certifications:** includes the certifications to be provided;
- Part 6 Security, Financial and Other Requirements:** includes specific requirements that must be addressed by bidders; and
- Part 7 Resulting Contract Clauses:** includes the clauses and conditions that will apply to any resulting contract.

The Annexes include:

**Annex "A"** - the Statement of Work

**Annex "B"** - the Basis of Payment

### 2. Summary

By means of the RFP, NRCan is seeking proposals from Bidders to perform quantitative analysis of unit operations involved in existing ferrochrome production and to identify promising technology options that are suitable for processing the Ring of Fire chromite ores.

#### 2.1 *Security Requirement*

There is no security requirements associated with this requirement.

#### 2.2 *Applicable Trade Agreements*

This requirement is not subject to any of the Trade Agreements, based on the following exclusion under the North American Free Trade Agreement (NAFTA), the Canada-Chile Trade Agreement, the Canada-Colombia Trade Agreement, the Canada-Panama Trade Agreement and the Canada-Peru Trade Agreement:

Exclusion:

**F – Natural Resources and Conservation Services**

F059 – Other Natural Resources and Conservation Services

Only companies within Canada are eligible to bid. This requirement is not open to the World.



### **2.3**    *Debriefings*

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.



## PART 2 - BIDDER INSTRUCTIONS

### 1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

**The 2003 (2016-04-04), Standard Instructions - Goods or Services - Competitive Requirements**, are incorporated by reference into and form part of the bid solicitation with the modifications to the text below. If there is a conflict between the provisions of 2003 and this document, this document prevails.

**In the complete text content (except Section 1 – Integrity Provisions – Bid):**

DELETE: Public Works and Government Services Canada (PWGSC)

INSERT: Natural Resources Canada (NRCan)

**In Section 2 – Procurement Business Number:**

DELETE: “Suppliers are required to”

INSERT: “It is suggested that suppliers”

**In Section 5.4 – Submission of Bids:**

DELETE: sixty (60) days

INSERT: one hundred and twenty (120) days

**In Section 8.1 – Transmission by Facsimile:**

DELETE: 819-997-9776

INSERT: 613-992-2920

**In Section 20.2 – Further Information:**

DELETE: in its entirety

### 2. Submission of Bids

It is the Bidders responsibility to ensure that proposals are delivered to the following location, by the time and date indicated on page 1 of this RFP document:

Natural Resources Canada  
Bid Receiving Unit - Mailroom  
588 Booth Street, Room 108  
Ottawa, Ontario K1A 0Y7  
Attention: **Valerie Holmes**

It is requested that the Bidder’s name, return address, Request for Proposal Number, and Bid Closing Date appear legibly on the outside of the envelope containing the Bidder’s proposal. Failure to do so may result in bids being misdirected. **NRCan will not assume responsibility for proposals directed to any other location.**

The onus is on the Bidder to ensure that the proposal is delivered to the location above. Not complying with the above instructions may result in NRCan’s inability to ascertain reception date and/or to consider the bid prior to contract award. Therefore, NRCan reserves the right to reject any proposal not complying with these instructions.



2.1 Due to the nature of the bid solicitation, bids transmitted by facsimile or electronic mail to NRCan will not be accepted.

### **3. Enquiries - Bid Solicitation**

All enquiries must be submitted in writing to the Contracting Authority no later than **five (5)** calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

### **4. Applicable Laws**

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

### **5. Improvement of Requirement During Solicitation Period**

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least five (5) days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

### **6. Basis for Canada's Ownership of Intellectual Property**

Natural Resources Canada has determined that any intellectual property rights arising from the performance of the Work under the resulting contract will belong to Canada, on the following grounds:

- the main purpose of the contract, or of the deliverables contracted for, is to generate knowledge and information for public dissemination;



## PART 3 - BID PREPARATION INSTRUCTIONS

### 1. Bid Preparation Instructions

NRCAN will accept your bids in one of the following formats:

#### HARD COPY:

**Section I:** Technical Bid – 4 copies (1 original, 3 copies)

**Section II:** Financial Bid - 1 copy, **under separate cover**. Prices related to the current solicitation must appear in the financial bid only and are not to be indicated in any other section of the bid; prices referenced in the financial bid should not to be repeated in any other section of the bid.

**Section III:** Certifications – 1 copy

Natural Resources Canada encourages the use of recycled paper and **two-sided printing**. Reduction in the size of documents will contribute to Natural Resources Canada's sustainable development initiatives and reduce waste.

OR:

In support of the Policy on Green Procurement, it is requested that bidders provide their bid as follows:

#### ELECTRONIC STORAGE MEDIA:

Since NRCAN is working towards a greener environment by eliminating all hard copy file folders, we prefer to have all bids on a CD/DVD or USB. If you wish to submit in this format, please provide the following:

**Section I:** Technical Bid – 4 copies (1 original, 3 copies)

**NOTE:** 1 CD/DVD/USB will contain: 1 Technical, sole Financial Bid, Certifications and signed first page (Original)  
3 CD/DVD/USB will contain: just the Technical Bid

**Section II:** Financial Bid - 1 copy (included with original Technical Bid).

**Section III:** Certifications – 1 copy (included with original Technical Bid and sole Financial Bid)

**Note: NRCAN will accept either Hard copy or Electronic Storage Media submitted bids. However, it is NRCAN's preference that you submit using Electronic Storage Media in order to adhere to our green initiative.**

**NOTE: WHEN SUBMITTING A BID TO THIS SOLICITATION AND YOU USE A COURIER SERVICE, YOU ARE ADVISED TO WRITE THE BID SOLICITATION NUMBER, CLOSING DATE AND TIME ON THE FRONT OF THE COURIER PACKAGE; NOT JUST ON THE ENVELOPES WITHIN THE COURIER PACKAGE IN ORDER TO AVOID ANY UNCERTAINTY FROM OUR BID RECEIPT UNIT WHEN RECEIVING BIDS WITHOUT ANY INDICATION WHAT THEY ARE FOR.**

No payment shall be made for costs incurred by the Bidder in the preparation and submission of a proposal in response to this RFP.

To assist Canada in reaching its objectives, bidders are encouraged to:

- i. use paper containing fibre certified as originating from a sustainably-managed forest and/or containing minimum 30% recycled content; and





- ii. use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.
- iii. use a numbering system that corresponds to the bid solicitation.

### **1. Section I: Technical Bid**

In their technical bid, bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders must demonstrate their capability and describe their approach in a thorough, concise and clear manner for successfully carrying out the work as described in the Annex "A" – Statement of Work".

Bidders must respond to government bid solicitations in an honest, fair and comprehensive manner, accurately reflect their capacity to satisfy the requirements stipulated in the bid or contract documents, and submit bids and enter into contracts only if they will fulfill all obligations of the contract.

The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient and may result in a loss of points. In order to facilitate the evaluation of the bid, Canada requests that bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

It is the responsibility of the Bidder to obtain clarification of the requirements contained in the RFP, if necessary, prior to submitting a proposal. The Bidder must provide sufficient details in its proposal to substantiate compliance with what is required; all professional experience must be fully documented and substantiated in the proposal(s).

In the event of a proposal submitted through contractual joint venture, the proposal shall either be signed by all members of the joint venture or a statement shall be provided to the effect that the signatory represents all parties of the joint venture. (All members of the joint venture shall be jointly and severally or solidarily liable for the performance of any resulting contract awarded as a result of a joint venture.)

### **2. Page 1 of the RFP Document**

It is mandatory that all bidders sign their submitted proposal. It is requested that all bidders complete, sign and date Page 1 of this RFP (including the name of the submitting organization, the name of the authorized signing person, appropriate addresses, telephone and facsimile numbers and business contact) when submitting their proposal. As the signature indicates a clear acceptance of the terms and conditions set out in the RFP, it is the Bidder's responsibility to ensure that the signatory has the authority within its organization to commit the Bidder by making such a contractual offer.

As per article 1 of Part 2, the Bidder hereby agrees, by submitting his/her proposal in response to this RFP, to all the instructions, terms, conditions and clauses detailed herein.

### **3. Section II: Financial Bid**

Bidders must submit their financial bid in accordance with Annex "B"- Financial Proposal. The total amount of Goods and Services Tax or Harmonized Sales Tax must be shown separately, if applicable.

All bids are evaluated in Canadian currency. Therefore, for evaluation purposes, the noon rate quoted by the Bank of Canada as being in effect on date of bid closing will be applied as the initial conversion factor for the specified currency.

Canada will pay the exchange rate adjustment amount in Canadian currency using the prevailing noon rate on the date of payment by Canada.



**3.1 Exchange Rate Fluctuation**

C3011T (2013-11-06), Exchange Rate Fluctuation

**4. Section III: Certifications**

Bidders must submit the certifications as per Part 5.



## PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

### 1. Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

#### 1.1 Mandatory Technical Criteria

Item	Mandatory Requirement	Compliant (Yes/No)	Reference to Bidder's Proposal
M1	<p><b>General Description of the Work to be Performed:</b></p> <p>The Bidder <b>MUST</b> provide a proposal including a detailed work plan for fulfilling the mandate, specifically describing the work to be done to meet the requirements and a full description of how all deliverables described in Annex "A" – Statement of Work will be met.</p> <p>The work plan <b>MUST</b> include:</p> <ul style="list-style-type: none"> <li>• <b>Introduction:</b> that demonstrates the Bidder understands the project mandate, the Ring of Fire chromite issues, the NRCan program for chromite R&amp;D, and potential challenges and risks associated with the contract;</li> <li>• <b>Detailed Work plan:</b> information on the work to be performed, including a complete description of the activities to be carried out in relation to each task, resources to be used, and contingencies for mitigating risks to ensure deliverables are completed on time;</li> <li>• <b>Task Framework:</b> a table showing the breakdown of work including the number of hours allowed on each task, delivery dates of each deliverable and the resource name.</li> </ul>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
M2	<p><b>Bidder's Company Experience:</b></p> <p>The Bidder <b>MUST</b> provide at least one (1) project example related to previous work of a similar nature completed within the last ten (10) years from date of bid closing. The Bidder <b>MUST</b> have experience in researching, gathering, compiling, analyzing, synthesizing and summarizing data, organizing and facilitating an experts' meeting and presenting the information. Bidder has to demonstrate that they possess the desired experience by having performed this type of activity. The project example should contain the following:</p> <ul style="list-style-type: none"> <li>• Project description</li> <li>• Time period (e.g. October 2012 to September 2016)</li> </ul>	<input type="checkbox"/> Yes <input type="checkbox"/> No	



Item	Mandatory Requirement	Compliant (Yes/No)	Reference to Bidder's Proposal
	<ul style="list-style-type: none"><li>Client name and point of contact information (for validation purposes only)</li></ul>		
<b>M3</b>	<b>Bidder's Proposed Resources:</b>  The Bidder <b>MUST</b> demonstrate in their CV that the Project Manager and support staff/resources have a minimum of five (5) years of experience conducting similar studies.  All experience requirements <b>MUST</b> have been acquired within the last ten (10) years from date of bid closing. The Bidder may propose more than one (1) resource but at a minimum, one (1) resource <b>MUST</b> have the minimum requirement years of experience in each field.  Note: Bidder must provide CVs for each proposed resource.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>M4</b>	<b>Bidder's Proposal:</b>  The Bidder's technical proposal <b>MUST</b> not exceed fifteen (15) pages. CVs, full project descriptions and any other supporting materials should be appended. If the technical proposal exceeds the maximum number of pages, only the first fifteen (15) pages will be considered at the proposed evaluation stage.	<input type="checkbox"/> Yes <input type="checkbox"/> No	



## 2. Point Rated Technical Criteria

Item	Rated Requirement	Points Breakdown	Max Points	Demonstrated compliance by Bidder
R1	<p><b>Resource Qualifications:</b></p> <p>The proposal should demonstrate that the proposed resources have knowledge and experience directly related to the project requirements. (CV of resources including the list of projects completed)</p> <p>The proposed resources have experience in the four (4) areas:</p> <ul style="list-style-type: none"> <li>• Team experience in chromite projects with satisfactory client feedback (20 points)</li> <li>• Team experience conducting quantitative assessment and analysis of unit operations in metallurgical processing (15 points)</li> <li>• Team experience with Canadian mining industry (5 points)</li> <li>• Team experience with chromite stakeholders (10 points)</li> </ul>	<p><b>20 points:</b> team experience in chromite projects with satisfactory client feedback:  <b>0</b>=unacceptable experience and/or unsatisfactory client feedback  <b>1</b>=poor  <b>2</b>=Unsatisfactory  <b>12</b>=Good  <b>16</b>=Very Good  <b>20</b>=Excellent</p> <p><b>15 points:</b> Team experience conducting quantitative assessment and analysis of unit operations in metallurgical processing:  <b>0</b>=unacceptable  <b>1</b>=poor  <b>2</b>=Unsatisfactory  <b>9</b>=Good  <b>12</b>=Very Good  <b>15</b>=Excellent</p> <p><b>5 points:</b> team experience with Canadian mining industry:  <b>0</b>=unacceptable  <b>3</b>=Good  <b>4</b>=Very Good  <b>5</b>=Excellent</p> <p><b>10 points:</b> Team experience with chromite stakeholders:  <b>0</b>=unacceptable  <b>1</b>=poor/unsatisfactory  <b>6</b>=Good  <b>8</b>=Very Good</p>	50	



Item	Rated Requirement	Points Breakdown	Max Points	Demonstrated compliance by Bidder
		<b>10=Excellent</b>		
R2	<p><b>Approach and Method:</b></p> <p>The Bidder is to present a method clearly demonstrating an approach that will lead to the successful completion of the project.</p> <p>The proposal will be evaluated based on the following factors:</p> <p>a) comprehension of the project needs and objectives (10 points)</p> <p>b) study plan – includes contingencies for mitigating risks and ensuring deliverables are met on time (30 points)</p>	<p>a) <b>10 points</b> for comprehension of the project needs and objectives:</p> <p><b>0 points:</b> comprehension of the project needs and objectives and how to the proposal addresses them poorly demonstrated</p> <p><b>1 point:</b> comprehension of the project needs and objectives demonstrated, but little indication of how the proposal addresses needs</p> <p><b>7-10 points:</b> comprehension of the project needs and objectives clearly demonstrated and excellent description of how the proposal addresses needs</p> <p>b) <b>30 points</b> for the research plan:</p> <p><b>0-1 point:</b> limited description of research plan; requirements not all addressed clearly</p> <p><b>5-8 points:</b> basic description of research plan, but not all requirements addressed</p> <p><b>10-30 points:</b> adequate to comprehensive description of research plan with all requirements clearly addressed</p>	<b>40</b>	
R3	<p><b>Task Framework:</b></p> <p>The Bidder to submit a clear, logical and well organized table including:</p> <ul style="list-style-type: none"> <li>Tasks</li> </ul>	<p><b>10 points</b> for the task framework:</p> <p><b>0-1 point:</b> table is not well organized and/or does not contain all required information</p> <p><b>4-6 points:</b> table is well organized and</p>	<b>10</b>	



Item	Rated Requirement	Points Breakdown	Max Points	Demonstrated compliance by Bidder
	<ul style="list-style-type: none"><li>Proposed resources</li><li>Milestones</li><li>Schedule</li></ul>	clearly shows all required information  <b>7-10 points:</b> table is well organized, clearly shows all required information and demonstrates a realistic means of achieving deliverables		
<b>Total Points Available:</b>			<b>100</b>	
<b>Total Points Needed to be Considered Compliant (60%):</b>			<b>60</b>	



### 3. Basis of Selection

Only those bids that are deemed to be responsive (compliant) will be evaluated under the basis of selection:

#### Highest Combined Rating of Technical Merit and Price

The responsive (compliant) Bidder with the highest combined rating of technical merit (70%) and price (30%) will be recommended for award of a contract. See the following example table below.

Example of 70% Technical Merit and 30% Price Determination			
	Bidder 1	Bidder 2	Bidder 3
Technical Points Achieved by Bidder	88	82	76
Price Quoted by Bidder	\$85,000	\$80,000	\$75,000
CALCULATIONS			
	Technical Points Achieved	Rated Price Points Achieved	Total Points Achieved
Bidder 1	$\frac{88}{88} \times 70 = 70.00$	$\frac{75}{80} \times 30 = 26.47$	96.47
Bidder 2	$\frac{82}{88} \times 70 = 65.23$	$\frac{75}{80} \times 30 = 28.13$	93.36
Bidder 3	$\frac{76}{88} \times 70 = 60.46$	$\frac{75}{75} \times 30 = 30.0$	90.46
* Represents the highest technical score			
** Represents the lowest priced proposal			

**Assumption:** Three responsive (compliant) bids have been received. The maximum technical score that can be obtained is 100 points. The highest technical score and lowest bid price receive full rated percentage and other proposals are pro-rated accordingly.

The winner is the Bidder scoring the highest Total Points as a result of applying the Best Value Calculations to the technical bid and the bid price respectively. Based on the above calculations a contract would be awarded to Bidder 1.





## PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue, whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

### 1. Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

#### 1.1 Declaration of Convicted Offences

In accordance with the Ineligibility and Suspension Policy (<http://www.tpsgcpwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

**Note: Bidders only need to provide this form if they have been convicted of a criminal offence. Otherwise, this certification will be identified as N/A.**

### 2. Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame specified will render the bid non-responsive.

#### 2.1 Integrity Provisions – List of Names

Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder.

Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s).

Bidders bidding as societies, firms or partnerships do not need to provide lists of names.

#### List of Names

Bidders who are incorporated, including those bidding as a joint venture, must provide, prior to contract award, a complete list of names of all individuals who are currently directors of the bidder. Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s). Bidders bidding as societies, firms or partnerships do not need to provide lists of names.

Certification:

I \_\_\_\_\_ (Suppliers name) certify that I have read and understand the information contained in the above link to this Certification. I understand that any information I submit in order for the department to confirm my eligibility to receive a contract may be shared and used by NRCan and /or PSPC as part of the validation process, and the results of verification may be



publicly disseminated. Moreover, I am aware that any erroneous or missing information could result in the cancellation of my bid as well as a determination of ineligibility/suspension.

Board of Directors:

_____	_____
_____	_____
_____	_____

### 3. Additional Certifications Precedent to Contract Award

#### 3.1 Status and Availability of Resources

The Bidder certifies that, should it be awarded a contract as a result of the bid solicitation, every individual proposed in its bid will be available to perform the Work as required by Canada's representatives and at the time specified in the bid solicitation or agreed to with Canada's representatives. If for reasons beyond its control, the Bidder is unable to provide the services of an individual named in its bid, the Bidder may propose a substitute with similar qualifications and experience. The Bidder must advise the Contracting Authority of the reason for the substitution and provide the name, qualifications and experience of the proposed replacement. For the purposes of this clause, only the following reasons will be considered as beyond the control of the Bidder: death, sickness, maternity and parental leave, retirement, resignation, dismissal for cause or termination of an agreement for default.

If the Bidder has proposed any individual who is not an employee of the Bidder, the Bidder certifies that it has the permission from that individual to propose his/her services in relation to the Work to be performed and to submit his/her résumé to Canada. The Bidder must, upon request from the Contracting Authority, provide a written confirmation, signed by the individual, of the permission given to the Bidder and of his/her availability.

#### 3.2 Rate or Price Certification

The Bidder certifies that the price proposed is not in excess of the lowest price charged anyone else, including the Bidder's most favoured customer, for the like quality and quantity of the goods, services or both.

#### 3.3 Education and Experience

The Bidder certifies that all the information provided in the résumés and supporting material submitted with its bid, particularly the information pertaining to education, achievements, experience and work history, has been verified by the Bidder to be true and accurate. Furthermore, the Bidder warrants that every individual proposed by the Bidder for the requirement is capable of performing the Work described in the resulting contract.

#### 3.4 Former Public Servant

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPSs, bidders must provide the information required below before contract award. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the bid non-responsive.



**DEFINITIONS:**

For the purposes of this clause, "**former public servant**" means a former member of a department as defined in the *Financial Administration Act*, R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police and includes:

- (a) An individual;
- (b) An individual who has incorporated;
- (c) A partnership made up of former public servants; or
- (d) Sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"**Lump sum payment period**" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the Public Service.

"**Pension**" means, in the context of the fee abatement formula, a pension or annual allowance paid under the *Public Service Superannuation Act* (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the *Supplementary Retirement Benefits Act*, R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the *Canadian Forces Superannuation Act*, R.S., 1985, c. C-17, the *Defence Services Pension Continuation Act*, 1970, c. D-3, the *Royal Canadian Mounted Police Pension Continuation Act*, 1970, c. R-10, and the *Royal Canadian Mounted Police Superannuation Act*, R.S., 1985, c. R-11, the *Members of Parliament Retiring Allowances Act*, R.S., 1985, c. M-5, and that portion of pension payable to the *Canada Pension Plan Act*, R.S., 1985, c. C-8.

**Former Public Servant (FPS) in Receipt of a Pension**

Is the Bidder a FPS in receipt of a pension as defined above? **YES ( ) NO ( )**

If so, the Bidder must provide the following information:

- (a) Name of former public servant: \_\_\_\_\_
- (b) Date of termination of employment or retirement from the Public Service. \_\_\_\_\_

**Work Force Reduction Program**

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of a work force reduction program?

**YES ( ) NO ( )**

If so, the Bidder must provide the following information:

- (a) Name of former public servant;
- (b) Conditions of the lump sum payment incentive: \_\_\_\_\_
- (c) Date of termination of employment: \_\_\_\_\_
- (d) Amount of lump sum payment: \_\_\_\_\_
- (e) Rate of pay on which lump sum payment is based: \_\_\_\_\_
- (f) Period of lump sum payment including:
  - Start date: \_\_\_\_\_
  - End date: \_\_\_\_\_
  - Number of weeks: \_\_\_\_\_
- (g) Number and amount (professional fees) of other contracts subject to the restrictions of a work force reduction program.

Contract Number:

Contract Amount:

\_\_\_\_\_

\_\_\_\_\_



---

For all contracts awarded during the lump sum payment period, the total amount of fee that may be paid to a FPS who received a lump sum payment is \$5,000, including the Goods and Services Tax or Harmonized Sales Tax.

**3.5** *Aboriginal Designation*

An Aboriginal business, which can be:

- i. a band as defined by the Indian Act
- ii. a sole proprietorship
- iii. a limited company
- iv. a co-operative
- v. a partnership
- vi. a not-for-profit organization

in which Aboriginal persons have at least 51 percent ownership and control,

OR  
A joint venture consisting of two or more Aboriginal businesses or an Aboriginal business and a non-Aboriginal business(es), provided that the Aboriginal business(es) has at least 51 percent ownership and control of the joint venture.

This is to confirm:

- Our Company is an Aboriginal Firm, as identified above
- Our Company is NOT an Aboriginal Firm

---

Signature of Authorized Representative

---

Date



---

## **PART 6 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS**

### **1. Security Requirements**

NRCan has determined that there is no security requirement associated with this request.

### **2. Insurance Requirements**

The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor from or reduce its liability under the Contract.



## PART 7 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

### 1. Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex "A" and the Contractor's technical bid dated \_\_\_\_\_. (*to be completed at contract award*)

### 2. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

#### 2.1 General Conditions

**2035 (2016-04-04), General Conditions - Higher Complexity - Services**, apply to and form part of the Contract.

As applicable, replace references to Public Works and Government Services Canada (PWGSC) with Natural Resources Canada (NRCan).

#### 2.2 Supplemental General Conditions

##### 2.2.1 Intellectual Property

**4007 (2010-08-16) - Canada to Own Intellectual Property Rights in Foreground Information.**

##### 2.2.2 Dispute Resolution

###### *Mediation*

If a dispute arising from this contract cannot be settled amicably through negotiation, then the parties agree in good faith to submit the dispute to mediation as administered by the Arbitration and Mediation Institute of Canada Inc. (AMIC). The parties acknowledge receipt of the rules of AMIC. The cost of mediation shall be borne equally by the parties.

###### *Arbitration*

If the parties cannot resolve the dispute through mediation within sixty (60) days, the parties agree to submit the dispute to arbitration pursuant to the Commercial Arbitration Act (Canada). The party requesting such arbitration shall do so by written notice to the other party/parties. The cost of the arbitration and fees of the arbitrator shall be borne equally by the parties. The arbitration shall take place in the city where the contractor carries on business before a single arbitrator to be chosen jointly by the parties. If the parties cannot agree on the choice of arbitrator within thirty (30) days of written notice to submit the dispute to arbitration, each party will choose a representative who will select the arbitrator.

The parties may determine the procedure to be followed by the arbitrator in conducting the proceedings, or may ask the arbitrator to do so. The arbitrator shall issue a written award within thirty (30) days of hearing the parties. The award may be entered in any court having jurisdiction and enforced as a judgment of that court.



*Meaning of "Dispute"*

The parties agree that the word "dispute" in this clause refers to a dispute of fact or of law, other than a dispute of public law.

The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the *Department of Public Works and Government Services Act* will, on request or consent of the parties to participate in an alternative dispute resolution process to resolve any dispute between the parties respecting the interpretation or application of a term and condition of this contract and their consent to bear the cost of such process, provide to the parties a proposal for an alternative dispute resolution process to resolve their dispute. The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at [boa.opo@boa.opo.gc.ca](mailto:boa.opo@boa.opo.gc.ca).

**3. Term of Contract**

*3.1 Period of the Contract*

The period of the Contract is from date of Contract to **March 31, 2017** inclusive.

**4. Authorities**

*4.1 Contracting Authority*

The Contracting Authority for the Contract is:

Name: **Valerie Holmes**  
Title: Procurement Specialist  
Organization: Natural Resources Canada  
Address: 580 Booth Street, 5<sup>th</sup> Floor, Room 5-D4-2  
Ottawa, Ontario, K1A 0E4  
Telephone: (343) 292-8371  
Facsimile: (613) 947-5477  
E-mail address: [Valerie.holmes@canada.ca](mailto:Valerie.holmes@canada.ca)

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

*4.2 Project Authority (to be provided at contract award)*

The Project Authority for the Contract is:

Name:  
Title:  
Organization:  
Address:  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority; however, the Project Authority has no authority to authorize changes to the scope of



the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

**4.3 Contractor's Representative**

Name:  
Title:  
Tel:  
Email:

**5. Proactive Disclosure of Contracts with Former Public Servants**

By providing information on its status, with respect to being a former public servant in receipt of a Public Service Superannuation Act (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with Contracting Policy Notice: 2012-2 of the Treasury Board Secretariat of Canada.

**6. Payment**

**6.1 Basis of Payment – Firm Price, Firm Unit Price(S) or Firm Lot Price(s)**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price as specified in Annex "B" for a cost of \$ \_\_\_\_\_ (insert the amount at contract award). Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

**6.2 Method of Payment**

**Milestone Payments**

Canada will make milestone payments in accordance with the Schedule of Milestones detailed in the Contract and the payment provisions of the Contract if:

- a. an accurate and complete claim for payment, and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b. all work associated with the milestone and as applicable any deliverable required has been completed and accepted by Canada.

**7. Invoicing Instructions**

Invoices shall be submitted using **one of the following methods:**

<p><u>E-mail:</u></p> <p><a href="mailto:NRCan.invoice_imaging-service_dimagerie_des_factures.RNCan@canada.ca">NRCan.invoice_imaging-service_dimagerie_des_factures.RNCan@canada.ca</a></p> <p><b>Note:</b> Attach "PDF" file. No other formats will be accepted</p>	<p><b>OR</b></p>	<p><u>Fax:</u></p> <p>Local NCR region: <b>613-947-0987</b> Toll-free: <b>1-877-947-0987</b></p> <p><b>Note:</b> Use highest quality settings available.</p>
--	------------------	--





Please do not submit invoices using more than one method as this will not expedite payment.

Invoices and all documents relating to a contract must be submitted on the Contractor's own form and shall bear the following reference numbers: Contract number: \_\_\_\_\_ *(provided at time of contract award)*

**Invoicing Instructions to suppliers:** <http://www.nrcan.gc.ca/procurement/3485>

## 8. Certifications

### 8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

## 9. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

## 10. Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- a) the Articles of Agreement;
- b) the supplemental general conditions **4007** (2010-08-16) - Canada to Own Intellectual Property Rights in Foreground Information and other contained herein;
- c) the general conditions **2035 (2016-04-04), Higher Complexity – Services;**
- d) Annex "A", Statement of Work;
- e) Annex "B", Basis of Payment; and
- f) the Contractor's bid dated \_\_\_\_\_,

## 11. Foreign Nationals (Canadian Contractor OR Foreign Contractor)

SACC Manual clause [A2000C](#) (2006-06-16) - Foreign Nationals (Canadian Contractor)

SACC Manual clause [A2001C](#) (2006-06-16) - Foreign Nationals (Foreign Contractor)

## 12. Contract Administration

The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the *Department of Public Works and Government Services Act* will review a complaint filed by [the supplier or the contractor or the name of the entity awarded this contract] respecting administration of this contract if the requirements of Subsection 22.2(1) of the *Department of Public Works and Government Services Act* and Sections 15 and 16 of the *Procurement Ombudsman Regulations* have been met, and the interpretation and application of the terms and conditions and the scope of the work of this contract are not in dispute. The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at [boa.opo@boa.opo.gc.ca](mailto:boa.opo@boa.opo.gc.ca).



## ANNEX "A" – STATEMENT OF WORK

### SW1 Title

Quantitative Assessment of Ferrochrome Production Technologies

### SW2 Background

In recent years, a steady, reliable and secure supply of critical metals has become increasingly important to major industrialized economies that seek to sustain their industrial base and develop advanced technologies, such as clean energy. In light of this, Canada, with its significant critical metal reserves, has an opportunity to supply some of the global demand for critical metals. However, to transition from promising mineral deposits to marketable products, investment in fundamental R&D and expertise is needed to address the complex technological challenges around the production, separation and processing of critical metals, and to better understand the global market for these key commodities.

Chromium represents an opportunity for Canada to enter an emerging and globally strategic market. The main application of chromium is in the stainless steel industry which is vital to modern industry. The Ring of Fire deposit in northern Ontario is the only commercial quantity of chromite in North America and the fourth largest deposit in the world. However, the location of these deposits makes mining of this deposit quite challenging. Moreover, processing of chromite ore to marketable ferrochromium alloy is the other restriction for this development in Ontario due to expensive local electricity.

Natural Resources Canada has been directed through Budget 2015 to undertake a significant effort to support the development of Rare Earth Elements and chromite in order to maximize Canadian value and benefits from these deposits. As such, we have undertaken experimental studies and critical reviews of knowledge on ferrochrome smelting technologies.

### SW3 Objective

To perform quantitative analysis of unit operations involved in existing ferrochrome production and to identify promising technology options that are suitable for processing the Ring of Fire chromite ores. The outcome of this exercise will serve the broader needs of NRCAN's Chromite Project in identifying clean technology options for producing marketable ferrochrome alloys from the Ring of Fire chromite ores.

### SW4 Tasks, Deliverables, Milestones and Schedule

#### SW4.1 Tasks

The scope of work will include the following tasks:

**Task 1: Gather and analyze quantitative data on individual unit processes and different technologies applicable to ferrochrome production based on existing ferrochrome production flowsheets.**

The unit processes include comminution, upgrading/concentrating, re-milling, pelletizing, batching, pre-heating, sintering or pre-reduction, smelting, casting, dust and off-gas handling, storage of ferrochrome products, and processing/disposal of slags.

Quantitative analysis will include the following:

1. Overview of each unit process in terms of infrastructure and power requirements, production capacity, rate of production, and production expenses.
2. Materials flow sheets including mass balance of each unit process, the types, properties and quantities of the feed materials (e.g. ores, reductant and binders), as well as type/composition/specification of the products (e.g. concentrate, pellet).



3. Energy estimate for each unit process including energy balance for each unit process, specific energy consumptions, current energy efficiency, and heat scavenging from off-gas of individual unit processes.
4. Cost estimate for each unit process based on production costs or operating expenses and any other relevant performance data. Production costs will need to be itemized such as electricity, ore and/or reductant for each unit process.
5. Waste management including the types of waste generated from each unit process, their collection and storage, and disposal procedures. Air emissions include greenhouse gas emissions and dust releases. Slag processing includes granulation, further recovery of Cr from slag, processing of slag as a waste for disposal, or to form saleable product (e.g. agriculture, road construction, cement processing). Waste management considerations for each unit process must also be evaluated including collection, storage and disposal of bag filter dust and scrubber particulate matter, water treatment, addressing potential environmental concerns such as the formation of hexavalent Cr.

**Task 2: Perform a comparative evaluation (modelling) of parallel/alternate unit processes/flowsheet or configurations (e.g. AC vs DC electric furnace smelting) based on the quantitative assessment performed in Task 1 and using two relevant generic flowsheets as the baseline cases.**

The task will address adaptability of technologies and unit processes to custom design for the Ring of Fire chromite ores, CAPEX reduction and incremental improvements in energy efficiency and cleaner technology options. The evaluations will include power and infrastructure requirements for the options and how unit processes, energy efficiency and cleaner process options impact CAPEX. The task will examine relationships among the material and energy requirements of the unit processes such as influences on downstream processes and products.

**Task 3: Identify and recommend promising technology options suitable for the Ring of Fire chromite ores.**

Building on Tasks 1 and 2, the Contractor will provide a comprehensive evaluation of the unit processes along with their advantages and disadvantages specific to the Ring of Fire chromite ores, specific energy consumptions, greenhouse gas emissions, and waste management options. Evaluations will also consider the local (i.e. Ontario) factors such as the environmental regulations, site conditions, electricity prices, labour and transportation. It is proposed that this task is accomplished through a group of experts. In this case, the Contractor is tasked with:

1. Assembling a group of technical experts from academia and industry; and
2. Organizing a technical experts meeting whereby the findings for Task 1 and 2 are discussed and unit processes and technology options that are compatible and most suitable for the Ring of Fire ores are contemplated for a “made in Canada” approach.

Invited experts will be subject to approval by CANMET/NRCan. It is proposed that the representatives of the lead stakeholders (i.e. Noront and KWG) are invited to the experts meeting. This task is culminated with a report outlining the discussions and conclusions of the experts’ panel.

**SW4.2 Deliverables**

**Deliverable 1:** Draft and final reports on quantitative analysis of ferrochrome production technologies as per the findings of Tasks 1 and 2.

**Deliverable 2:** Organization and execution of an experts group meeting.

**Deliverable 3:** Three (3) technical progress and review meetings as per the schedule below.

**Deliverable 4:** Report on most suitable and promising ferrochrome production technologies applicable to the Ring of Fire chromite ores.



**SW4.3 Schedule**

The details of the schedule will be discussed during the initial meeting.

Task	Date Required
Initial Meeting	Within five (5) days of Contract Award
<b>Task 1:</b> Gather and analyze quantitative data on individual unit processes and different technologies applicable to ferrochrome production based on existing ferrochrome production flowsheets	As specified during initial meeting
<b>Progress Meeting</b>	Before Task 2
<b>Task 2:</b> Perform a comparative evaluation (modelling) of parallel/alternate unit processes/flowsheet or configurations (e.g. AC vs DC electric furnace smelting) based on the quantitative assessment performed in Task 1 and using two relevant generic flowsheets as the baseline cases	As specified during initial meeting but likely to be held during January – February 2017
<b>Progress Meeting</b>	Before Task 3. CVs of the proposed experts to be provided to NRCan technical authority for approval
<b>Task 3:</b> Identify and recommend promising technology options suitable for the Ring of Fire chromite ores	Completed before March 31, 2017
<b>Brief Progress Report</b>	As specified during initial meeting



## ANNEX “B” – BASIS OF PAYMENT

### 1. Taxes as Related to Bids Received

For Canadian-based bidders, prices/rates, as applicable, are requested to be firm (in Canadian funds) with Canadian customs duties and excise taxes as applicable **included**, and Goods and Services Tax (GST) or Harmonized Sales Tax (HST) as applicable, **excluded**;

For foreign-based bidders, prices/rates, as applicable, are requested to be firm (in Canadian funds) and **exclude** Canadian customs duties, excise taxes and GST or HST, as applicable. Canadian customs duties and excise taxes payable by the consignee will be added, for evaluation purposes only, to the prices submitted by foreign-based bidders. If the prices submitted in the financial proposal are not in Canadian Funds the exchange rate in effect on the date of bid closing will be applied for evaluation purposes only.

### 2. Funding Limitation

NRCan has allocated a maximum of **\$190,000.00** in funding for this requirement, **inclusive of**:

- a) The price to perform the work
- b) All Travel and Living Expenses, as applicable

Goods and Services Tax (GST) or Harmonized Sales Tax (HST) is extra to the Funding Limitation; **any bids received in excess of this maximum funding will be automatically deemed non-responsive and will not be evaluated.**

### 3. Milestone Payments

The Bidder hereby offers to NRCan, as requested by the Minister, to furnish all necessary expertise, supervision, materials, equipment and other items necessary to performing the work as described in the statement of work of this Request for Proposal and in accordance with the terms and conditions of the Request for Proposal, to the satisfaction of the Minister, or his or her authorized representative, for the following price(s).

The price is **firm and all inclusive**, including without limitation all of the expertise, supervision, materials, equipment, travel and living expenses and other items necessary for the execution of the work described in the Statement of Work in Annex A, GST and HST not included.

Task	Date Required	All-inclusive Rate
Initial Meeting	Within five (5) days of Contract Award	
<b>Task 1:</b> Gather and analyze quantitative data on individual unit processes and different technologies applicable to ferrochrome production based on existing ferrochrome production flowsheets	As specified during initial meeting	\$
<b>Progress Meeting</b>	Before Task 2	
<b>Task 2:</b> Perform a comparative evaluation (modelling) of parallel/alternate unit processes/flowsheet or configurations (e.g. AC vs DC electric furnace smelting) based on the quantitative assessment performed in Task 1 and using two relevant generic flowsheets as the baseline cases	As specified during initial meeting but likely to be held during January – February 2017	\$
<b>Progress Meeting</b>	Before Task 3. CVs of the proposed experts to be provided to NRCan technical authority for approval	
<b>Task 3:</b> Identify and recommend promising technology options suitable for the Ring of Fire chromite ores	Completed before <b>March 31, 2017</b>	\$
<b>Brief Progress Report</b>	As specified during initial meeting	
<b>Bidders Total Proposed Price:</b>		<b>\$</b>