RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
MAT.DESProc2-DOSE2@forces.gc.ca

SOLICITATION AMENDMENT
MODIFICATION DE L’INVITATION

The referenced document is hereby revised; unless otherwise indicated, all terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l’invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address - Raison sociale et adresse du fournisseur/de l’entrepreneur

Issuing Office - Bureau de distribution
Department of National Defence
DES Proc 2-5-3
Woodline Building
2 Constellation Drive
Ottawa ON

Title - Sujet
Space System Engineering and Cost Analysis

Solicitation No. - N° de l’invitation
W6369-200196

Amendment No - No modif.
005

Client Reference No. - N° de référence du client
W6369-200196

Date
2019-12-02

GETS Reference No. - N° de référence de SEAG

File No. - N° de dossier
W6369-200196

CCC No./N° CCC - FMS No./N° VME

Solicitation Closes - L’invitation prend fin
January 13, 2020

F.O.B. - F.A.B.

Plant-Usine:

Other-Autre:

Address Enquiries to: - Adresser toutes questions à:
Cherie Murray

Buyer Id - Id de l’acheteur
DES Proc 2-5-3

Telephone No. - N° de téléphone
613-901-8477

FAX No. - N° de FAX
( ) -

Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:
To be inserted upon award

Delivery Required - Livraison exigée
See Herein

Delivery Offered - Livraison proposée

Vendor/Firm Name and Address - Raison sociale et adresse du fournisseur/de l’entrepreneur

Telephone No. - N° de téléphone Facsimile
No. - N° 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 Amendment no. 005 has been raised to:

1- Answer the following questions:

<table>
<thead>
<tr>
<th>Questions</th>
<th>Answers</th>
</tr>
</thead>
<tbody>
<tr>
<td>10  In case the bidder is an industrial team (partnership) with a prime and subcontractors, can subcontractor’s projects be included in the bidder’s experience? In other words can PWGSC consider “the entire industrial team” as “the bidder”?</td>
<td>The term “bidder” is defined in the Standard Instructions – Goods and Services – Completeive Requirements as the person or entity (or, in the case of a joint venture, the persons or entities) submitting a bid to perform a contract for goods, services or both. It does not include the parent, subsidiaries or other affiliates of the Bidder, or its subcontractors. Therefore only the bidder’s experience will be evaluated.</td>
</tr>
<tr>
<td>11  Does the 20 years of experience in SAR apply to every person in the team including the project manager?</td>
<td>The 20 years of experience is the combined total of all proposed team members.</td>
</tr>
<tr>
<td>12  I am writing to request that a conversation be opened regarding the use of epost Connect to submit our proposal for this procurement.</td>
<td>This solicitation is being issued directly by DND. As per the instructions of the RFP, all proposals are to be submitted to the following email address: <a href="mailto:MAT.DESProc2-DOSE2@forces.gc.ca">MAT.DESProc2-DOSE2@forces.gc.ca</a></td>
</tr>
<tr>
<td>13  In Annex A-3 for Stream 3, under 3.0 Tasks, it is stated that the proposed design concepts must address all of the priority 1 and 2 requirements. However, many of those requirements are purely SAR-related. Is the intent for Stream 3 to only address non-SAR related requirements?</td>
<td>Yes the intent for stream 3 is to address only the non-SAR related requirements.</td>
</tr>
<tr>
<td>14  When addressing ELINT requirements, are those better addressed in Stream 1 or Stream 3, or both?</td>
<td>This is a non-SAR system that would be best addressed under Stream 3.</td>
</tr>
<tr>
<td>15  In Attachment 4.5, the evaluation criteria for Stream 3, under M1, there is mention of</td>
<td>Yes. Attachment 4.5 has been amended accordingly.</td>
</tr>
</tbody>
</table>
**Noise Equivalent Sigma Zero and ambiguities. These are SAR-related concepts. Should those be deleted from M1?**

**16** In Attachment 4.5, it is stated that “The Bidder must have demonstrated experience performing an electro-optical (EO) or infrared (IR) (which **much** include hyper and multispectral) design concept study within the last five (5) years, from date of RFP closing. The concept study must have assessed all of the following areas:” Is this a typo that should be corrected to “**must** include hyper and multispectral”? Attachment 4.5 is being amended to correct the typo.

**17** In Attachments 4.2, 4.4 and 4.6, it is stated that “Bidders are to provide an all-inclusive Firm per diem price for the total of resources that will perform the work under Section 3.1 of that Statement of Work”. In addition, it is stated in Annex B that “Payment will be made for days actually worked.” Please clarify whether a day worked refers to person day rather than team day, and how the daily rate will be calculated. A day of work is the total number of hours worked by the team, up to a maximum of 7.5 hours a day. To calculate the hours worked by the team, the total number of hours worked by all members in one day will be added then divided by the number of team members to get the total of hours worked by the team.

For example, a team is comprised of 3 people where team member A worked 2.5 hours, team member B worked for 5 hours and team member C worked for 7.5 hours. The total of 15 hours is then divided 3 for a total team day of 5 hours.

Annex B Basis of Payment has been amended to clarify.

**18** If we provide the information requested in Attachment 4.1, is that sufficient to satisfy Section 1, Technical Bid, pg. 8? Or is a separate description of the project execution required to demonstrate our “understanding of the requirements contained in the bid solicitation and explain how they meet these requirements”? Bidders are requested to provide the information in Attachment 4.1 as well as any other information they deem sufficient to demonstrate their experience.
| 19 | The SRCL provided in Amendment 4 is very difficult to read. Can a more legible SRCL be provided? | The SRCL does not include any security provisions. For those wishing to receive a more legible copy, it will be emailed upon request. |
| 20 | DND will award “up to 3 contracts for each of the 3 Streams, for a maximum total of 9 contracts”. “The period of the Contract is from date of Contract to March 31, 2020 inclusive” • What is the total budget this part of the budget? What is the expected date for awarding the contracts? | DND is not at liberty to disclose the budget for this requirement. The expected contract award date is mid to end of January 2020. |
| 21 | The RFP states: “The presentation will take place at National Defence Headquarters, located at 101 Colonel By Drive, Ottawa, ON, or at 3500 Carling Avenue, Ottawa, ON. The time and place will be specified by the Technical Authority.” Given that travel is not reimbursable will it be possible to use a video conference link for the presentation? | DND will accept a video conference link for the final presentation if in-person attendance is not feasible |
| 22 | At Page 32, ANNEX “A-2” 3.1.i Engineering & costing analysis of a data exploitation design concept, the RFP states: “The cost estimates of the proposed design concepts must contain a detailed description of the assumptions made in establishing the Work Breakdown Structure level 2 cost estimates.” Can DND provide a definition of a WBS “level 2 cost estimate” or provide a on line resource that defines or describes what is required? What level of detail is needed? | WBS level 2 is defined as major elements, parts, phases or deliverables of a system. |

2- and make the following changes:

ii. Delete Annex B Basis of Payment and replace with the following document entitled Annex B Basis of Payment AMDT 001; and

iii. Delete Appendix B to Annex A Certification at the TA Stage in its entirety.

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Mandatory Criteria</th>
<th>Statement of Compliance and Cross Reference to Proposal</th>
<th>MET</th>
<th>NOT MET</th>
</tr>
</thead>
</table>
| **M1**  | The Bidder must have demonstrated experience performing an electro-optical (EO) or infrared (IR) (which must include hyper and multi-spectral) design concept study within the last five (5) years from date of RFP closing. The concept study must have assessed all of the following areas:  

1. Tasking, Telemetry, and Communications requirements;  
2. Communications links (frequency, bandwidth);  
3. Constellation composition, size and orbit(s);  
4. Recommended sensors/sensor types, secondary payload, duty cycle, bus, frequency bands(s);  
5. Detailed analysis of the sensor parameters (swath, resolution, bandwidth, scene size); and  
6. Detailed cost estimates.  

To demonstrate compliance, the Bidder must provide details of the concept study using the Project Reference Response Template provided in Attachment 4.7. | | | |
<p>| <strong>M2</strong>  | The Bidder must demonstrate that the proposed resource(s) has/have a minimum of fifteen (15) years’ experience from date of RFP closing working with EO or IR spacecraft payloads. | | | |</p>
<table>
<thead>
<tr>
<th>Criteria</th>
<th>Mandatory Criteria</th>
<th>Statement of Compliance and Cross Reference to Proposal</th>
<th>MET</th>
<th>NOT MET</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>To demonstrate compliance, the Bidder must provide a resume of each team member and provide details of the project(s), their role(s), dates and duration(s).</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Technical Point Rated Requirements – Stream 3 – Alternate Mission Concept

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Point-Rated Criteria</th>
<th>Evaluation Factors</th>
<th>Bidder Self-Score</th>
<th>Justification (Cross-reference to resource resume as applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>R1</strong></td>
<td>The Bidder should demonstrate that the proposed resource(s) in M2 has/have experience within the last ten (10) years from date of RFP closing designing EO or IR payloads. The Bidder should provide a detailed description of the project(s) and the resource(s)’ role in the design of the EO or IR payload(s).</td>
<td>15 points = Demonstrated experience designing 3 or more EO or IR payloads &lt;br&gt;10 points = Demonstrated experience designing 2 EO or IR payloads &lt;br&gt;5 points = Demonstrated experience designing 1 EO or IR payload. &lt;br&gt;0 points = No experience</td>
<td></td>
<td>MAX Points = 15</td>
</tr>
<tr>
<td><strong>R2</strong></td>
<td>The Bidder should demonstrate that the proposed resource(s) in M2 has/have experience within the last ten (10) years from date of RFP closing designing satellite systems (including both payload and space vehicle) which included EO or IR as the main payload. The Bidder should provide a detailed description of the project(s) and the team member’s role in the design of the project(s) and the system.</td>
<td>15 points = Demonstrated experience designing 3 or more satellite systems which included EO or IR as the main payloads. &lt;br&gt;10 points = Demonstrated experience designing 2 satellite systems which included EO or IR as the main payloads. &lt;br&gt;5 points = Demonstrated experience designing 1 satellite system which included EO or IR as the main payload. &lt;br&gt;0 points = No experience</td>
<td></td>
<td>MAX Points = 15</td>
</tr>
</tbody>
</table>
### Criteria | Point-Rated Criteria | Evaluation Factors | Bidder Self-Score | Justification (Cross-reference to resource resume as applicable)
---|---|---|---|---
| | | | |
| R3 | The Bidder should demonstrate its experience within the last ten (10) years from date of RFP closing in the completing the following stages for satellite systems which included EO or IR payloads:  
   1- Design  
   2- Manufacture  
   3- Commission  
   4- Operation | 8 points = Demonstrated experience in all 4 stages  
6 points = Demonstrated experience in 3 stages  
4 points = Demonstrated experience in 2 stages  
2 points = Demonstrated experience in 1 stage  
0 points = no experience | | MAX Points = 8 |
| | The Bidder should provide details of its experience by using the Project Reference Response Template provided in Attachment 4.7. | | | |
| | Total score (out of 38 points) | | | |
For optional professional services work under section 3.2 of the Statement of Work, the Contractor shall be paid per the following basis of payment:

<table>
<thead>
<tr>
<th>Item number</th>
<th>Description</th>
<th>Firm all-inclusive Per diem (GST/HST Excluded)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>All-inclusive Firm per diem price for the total of resources performing the work under Section 3.1 of the Statement of Work</td>
<td>$ (price to be inserted at contract award)</td>
</tr>
<tr>
<td></td>
<td><strong>Option Period 1 (1 April to 30 September 2020)</strong></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>All-inclusive Firm per diem price for the total of resources performing the work under Section 3.1 of the Statement of Work</td>
<td>$ (price to be inserted at contract award)</td>
</tr>
<tr>
<td></td>
<td><strong>Option Period 2 (1 October 2020 to 31 March 2021)</strong></td>
<td></td>
</tr>
</tbody>
</table>

A day of work is the total number of hours worked by the team, up to a maximum of 7.5 hours a day of work, exclusive of meal breaks. Payment will be made for days actually worked, with no provision for annual leave, statutory holidays and sick leave a day.

To calculate the hours worked by the team, the total number of hours worked by all members in one day will be added then divided by the number of team members to get the total of hours worked by the team.

For example, a team is comprised of 3 people where team member A worked 2.5 hours, team member B worked for 5 hours and team member C worked for 7.5 hours, the total of 15 hours is then divided 3 for a total team day of 5 hours.

If time worked is more or less than a day, the following formula will be used:

\[(\text{Hours worked} \times \text{applicable firm all-inclusive per diem rate}) \div 7.5 \text{ hours}\]

No overtime charges will be authorized under the Contract. All time worked will be compensated according to paragraph above.
ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME AND IN FULL EFFECT.