

19th February 2021
Our reference QINETIQ/21/00553

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Request for Information- Renewable Power Source and Storage

1 Request for Information

1.1 Background

1.1.1 This letter covers a Request for Information (RFI) for a study that is being conducted by QinetiQ Group Canada Inc. ("QinetiQ") for the Department of National Defence (DND) concerning considerations for air range modernization. Information is requested from suppliers of associated products or services.

1.1.2 QinetiQ, under contract to DND is currently exploring areas of improvement for Operational Training Infrastructure (OTI) around DND Training sites. In order to progress the program, industry is being invited to provide information of a general nature regarding capability, products and costs for supply of OTI services or products where OTI modernization may be a need or priority.

1.2 Key Notes To Industry

1.2.1 This information request is not a commitment to any current or future contract for services or products on the behalf of Canada or QinetiQ. Neither is it intended to imply any future procurement will take place. It is limited to providing product or service intelligence (whichever may be applicable) to understand if a procurement lifecycle could be readily achieved in the future. Any costs incurred by your organisation in reviewing this request letter, preparing for and providing a response shall be at your sole risk.

1.2.2 Any information provided by any supplier may be shared with Canada and QinetiQ's affiliates for the purposes of the Canadian Range Modernization Study, under DND Contract W6431-19LC01/002/TOR.

1.2.3 Any sharing with Canada of received information from interested parties or clarifications related thereto will be managed by QinetiQ and interested parties are explicitly requested not to contact Canada, including DND and PSPC, directly relative to this request.

1.2.4 QinetiQ may respond to information received with questions to clarify aspects of supplied information.

2 Request for Information - Instructions

2.1 Suppliers responding to this request (responders) are asked to provide the following information:

- Business Address;
- Contact Details;
- Short statement stating area of interest;
- Short Statement of scope of potential supply of goods or services;
- Indicative compliance statement against requirement herein.

2.2 Responses to this request should be supplied by email to: Madison.Aubry@qinetiq.ca by the 16th March 2021 in order to be considered in the formulation of the study response.

2.3 Responders are requested to provide indicative or typical costs for supplying and installing renewable power solutions at multiple locations at DND sites in Canada. The initial territories of interest are:

- Alberta
- Saskatchewan
- Quebec

These costs will not be considered binding or an offer of any kind and indications of their basis would greatly assist in meeting the study objectives.

2.4 Responders are also requested to provide a description of the proposed solution and power generation and storage capability, addressing the key requirements in Section 3 below.

3 Details of Renewable Energy Solution

3.1 There may be a requirement to supply and install renewable power generation and storage capabilities at multiple remote locations. The power generation solution could be utilised to supply and manage multiple site monitoring, access, camera and instrumentation systems.

3.2 The solution should investigate, recommend and provide cost information for options for renewable power generation systems such as Solar PV or wind power to provide a reliable and robust power supply of 5kW.

3.3 The responder should state the typical output electrical characteristics that are provided from their typical renewable solutions.

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- 3.4 The response should include any equipment supply and installation costs for a single site to allow the costs to be multiplied out for multiple sites.
- 3.5 The system must be able to operate at the extreme weather conditions experienced throughout the year for the Alberta, Saskatchewan and Quebec areas.
- 3.6 The recommended solution must be self-contained as much as practicable and securable.
- 3.7 The solution recommended must have the capability to be scalable for future increased power requirements.
- 3.8 Responders are requested to describe details of how they would deliver a service to conduct annual inspection and maintenance.
- 3.9 Responders are requested to state how they would operate in the austere environment at sites where there may be limited access.
- 3.10 Responders are requested to state what competency they have for operating in the austere environment. This includes how they would comply with guidance from the Canadian Centre for Occupational Health and Safety Cold Weather Workers Safety Guide (1).
- 3.11 Responders are requested to state how they would assess operational risk i.e. health and safety and outline safety measures they would apply.

4 Points of Contact

- 4.1 Responders wishing to brief on capability can do so on request to, kirk.soroka@qinetiq.ca
- 4.2 RFI responses should be sent to: Madison.Aubry@qinetiq.ca We thank you in advance for your consideration of this request.

Madison Aubry
QinetiQ Target Systems
#3 – 1735 Brier Park Rd NW
Medicine Hat, AB T1C 1V5
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5 References

1. Canadian Centre for Occupational Health and Safety, Cold Weather Workers Safety Guide 3rd Edition.

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