

Request for Proposal (RFP) W8472-225851/A - Large Environmental Chamber

Solicitation Amendment 003 is raised to extend the solicitation closing date, amend the following sections of the RFP and to answer questions received from the site visit.

DELETE

Solicitation Closes – L'invitation prend fin

At – à : 14:00 EST

On - le : February 15th 2023

INSERT

Solicitation Closes – L'invitation prend fin

At – à : 14:00 EST

On - le : February 22nd 2023

RFP

7.4.2 Delivery Date – Modify – 18 months after contract award

SOW

3.1.1.1 (pg 34) – Remove

4.2.2 (pg 36) – Modify – delivery to be completed within 18 months.

4.2.4.4 (pg 37) – Remove

4.2.4.6 (pg 37) – Modify - Coordinate the installation phase and commissioning phase of the new chamber in such a way that the impact to normal operations shall be minimal.

4.2.4.7.5 (pg 38) – Modify: During the installation phase, the Contractor must hold at least one (1) coordination meeting per week.

4.4.2 (pg 39) – Modify – The Contractor must supply all lifting and moving equipment (cranes, forklift, etc.) required to install the new LEC and its ancillary equipment.

6.1 (pg 15/49) – Remove all

6.2.1.3 – Are we still asking to validate the roof if the weight of the condensing package is =< the current set? – See DID-EN-01 (pg 32/49) 10.2 – Roof structure and parasismic

6.2.1.4 (pg16/49) – Modify – Make all modifications to the site infrastructure that are necessary for the installation of all ancillary equipment (e.g. refrigerant lines, etc.) to accommodate the installation of the LEC. The Contractor must ensure that the installation conforms to all Codes and regulations.

SOW Appendix 1 - LARGE ENVIRONMENTAL CHAMBER TECHNICAL STATEMENT OF REQUIREMENTS

8.4.1.1 DID-PM-01 10.2 (pg 30/49) – Modify bullet: Submit applicable Workplace Hazardous Material Information System (WHMIS) Safety Data Sheets (SDS) for the installation of the new system.

Annex B

1.2 (pg 26/33) - Schedule of Milestones – Remove Item 2

Annex F – Mandatory Evaluation Criteria

4.2.1 (pg 9/18) – Modify – 4.2.1 Change 4 months to 18 months

4.2.2.4 (pg 10/18) and 6.1 (pg 11/ 18) - Remove Facility Modifications

LEC Site Visit Questions and Answers

Question 1:

Do the dimensions of the current chamber need to be maintained?

Answer 1:

The chamber needs to meet the volume and footprint requirements as stated in the TSOR.

Question 2:

Does the compressor need to be on a mezzanine or can it be placed on the ground?

Answer 2:

As long as the chamber and its ancillaries fit within the footprint on the TSOR all options will be considered.

Question 3:

Can refrigerant lines be installed straight up through the building?

Answer 3:

The overhead crane spans the width of the shop floor and therefore piping lines must be routed to the outside of the shop and/or in the same way the current lines are laid out.

Question 4:

How long are the current refrigerent lines?

Answer 4:

The longest refrigerent run is currently approximately 66 meters.

Question 5:

Has the roof been previously evaluated for structural compatibility from previous chamber installation?

Answer 5:

Yes.

Question 6:
Have cooling towers been considered?

Answer 6:
Yes however cooling towers will only be explored if there are no other options.

Question 7:
Is there a chilled water facility?

Answer 7:
There is no chilled water facility, however there is a cooling tower.

Question 8:
Are liquids gases and fuels being tested?

Answer 8:
It is possible that fuels and liquids (e.g. diesel fuel) are tested, less so that gases will be tested. As stated in 9.3.4 The LEC must be intrinsically safe.

Question 9:
What compressors are currently being used and how many?

Answer 9:
Currently we have a 4x 25HP cascading system which generally meets all of our requirements.

Question 10:
Can the CSA certification be done on site after the installation?

Answer 10:
Yes.

Question 11:
What types of doors are preferred?

Answer 11:
The main door (front, a sliding door is preferred. The access door on the side of the chamber can be a standard pedestrian door.

Question 12:
What is the maximum test load?

Answer 12:
The maximum test load is 5KW.

Question 13:
What is the weight, mass and material range being tested?

Answer 13:
It is not possible to provide this information as it depends on the current and future equipment requirements of the RCN. One can assume that any piece of equipment or combination of equipment that can fit within the envelope and is within the floor capacity can be tested.

Question 14:
Is there a preferred location for the access ports?

Answer 14:
One port shall be located in the front of the chamber and one shall be on the side next to the pedestrian door (same as the current chamber).

Question 15:

Is keeping the mezzanine a preferred option.

Answer 15:

The preferred option would be to maintain the mezzanine.

Question 16:

Will the NETE crane/lift be available for any portion of install/dismantle?

Answer 16:

As specified in the RFP all material handling equipment shall be provided by the contractor. Assume that the crane is not available however a forklift may be available to assist within the staging area.

Question 17:

Can the delivery date be extended for a longer lead time than 4 months after the contract has been awarded?

Answer 17:

Yes, due to supply chain shortages, etc. it is understood that there will be delays.