

**Entity Name:** South Dakota State Government  
**Event Number:** 9811  
**Event ID:** 24RFP9811  
**Event Name:** -80 Freezer  
**Requested By:** Missy Schuetzle  
**Created By:** Missy Schuetzle  
**Due By Date:** 01/22/2024 05:00 PM Central Time  
**Q&A Cutoff Date:** 01/09/2024 11:55 AM Central Time  
**Invitation Type:** Invitation Only  
**Assigned Commodities:** 740-70 Refrigerators and Freezers, Commercial; 045-66 Refrigerators and Freezers  
**Allow Supplier Terms and Conditions:** No  
**Public Responses:** No  
**Display Awardee:** Display  
**Posting Board Status:** Published  
**Event Status:** Event Under Review

---

**Section #: Name:**

**1 Section 1 - 24RFP9811**

Do not submit responses through ESM Sourcing as this is for informational purposes only. Please download the attached document and follow submittal instructions.

**2 SCOPE**

The project will include a new -80 Freezer. This document defines the requirements for this system. It describes overall requirements that must be met to produce the specific equipment requested. This scope covers procurement, delivery, and start- up support of the specified equipment; no installation is required.

This URS is the input document for:

- Equipment procurement purposes
- Equipment sizing
- Functional and technical specifications

Bids will be evaluated based on compliance with the URS, pricing, lead time, and the company's experience and track record as they pertain to the relevant equipment. See Evaluation Criteria below.

**3 BACKGROUND**

The Dakota Bioproducts Innovation Institute is a research facility for the development of high-quality bioproducts. A -80 Freezer has been identified as needed for storage of customer samples and strains for fermentation-based technologies. This will need to securely store customer samples taken during the process, as well as freezer stocks of microbial cultures for use in the production facility. As some of these can be restricted and highly sensitive for commercial value, there is a stringent requirement for security in accessing the freezer.

**4 PROCESS DESCRIPTION**

The -80 freezer will be large enough to store multiple days to weeks-worth of samples as well as freezer stocks. The freezer must have a secure mechanism to prevent general access to the freezer.

**5 BASIS OF DESIGN**

**5.1 Capacities**

The -80 Freezer must maintain -80C, have an alarm system to alert if the temperature is not cold enough—both at the moment in the lab, as well as a remote alarm system to alert someone for off hour freezer failure, and a security mechanism to block general access to the freezer.

**5.2 Skidded Construction**

N/A

**5.3 Health, Safety and Environment**

N/A

**5.4 Operation, personnel and automation**

Access to the freezer will be authorized individuals only, with logged entry and retrievable history. Unit will have a mechanism to connect to internet and be able to remotely allow authorized individuals to know when alerts for deviation and access are ongoing.

**5.5 Materials of Construction**

N/A

---

5.6 Reliability & maintenance

Freezer must be reliable for 24/7/365 operation, with mechanisms in place to ensure that the user is aware if something is malfunctioning (temperature) via alarm and remote alert capabilities.

---

**Terms and Conditions**

---

**ESM Sourcing Terms**

None

**General Terms and Conditions**

None

**Event Specific Terms and Conditions**

See attached document.