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**REQUEST FOR BID**  
***On-Site Network Storage***  
**South Dakota Science and Technology Authority**  
**SDSTA Purchase Order # 28097**  
***July 9, 2025***

The South Dakota Science and Technology Authority (SDSTA) is seeking bids for **On-Site Network Storage** for the Sanford Underground Research Facility (SURF). Documents included in this Request for Bid include:

- A. This Request for Bid
- B. Draft Purchase Order Agreement

Please review all documents carefully to ensure your submission meets the required qualifications and includes all necessary information.

## **1.0 Background**

SDSTA is a quasi-governmental agency established by the State of South Dakota to operate and manage the Sanford Underground Research Facility (SURF) at the former Homestake Gold Mine in Lead, SD. This facility has been rehabilitated and developed to support a variety of scientific experiments, including physics, biology, geology, and others.

## **2.0 Scope**

SDSTA is requesting a bid for the cost of on-site network storage to include professional services setup, configuration of storage and data migration of roughly 60 TB. Requirements are as follows:

1. Must support SMB, NFS, iSCSI, FC, NVMe/TCP and NVMe/FC protocols
2. In-place, hot swappable component replacements
3. Non-disruptive hardware and software upgrades
4. Compatibility with VMware vCenter and Veeam
5. Data at rest encryption
6. Storage performance monitoring
7. Predictive failure alerting
8. Ransomware protection
9. Data protection methods such as RAID
10. Multi-cloud support such as AWS and Azure
11. Customizable reports for usage and performance
12. Deduplication/Compression capabilities
13. Minimum 100 TB of useable storage
14. One (1) and three (3) year purchase costs

### 3.0 Schedule

Ordering of the items noted in the **Scope** section above should commence following the full execution of the Purchase Order Agreement.

The proposed timeline is:

RFB Posted..... 07/09/25  
RFB Response Due ..... 07/30/25  
Purchase Order Issued By (Target) ..... 08/07/25

### 4.0 Bid Elements – Please **INLCUDE** the following with your bid:

- 4.1 Written exception(s) to RFB
- 4.2 Shipping costs
- 4.3 Total bid cost
- 4.4 Estimated delivery schedule
- 4.5 Warranty/Support information

### 5.0 Bid Requirements

For your bid to be eligible for consideration, please submit an electronic copy in **.pdf format** to Shelly Nisly at [mnisly@sanfordlab.org](mailto:mnisly@sanfordlab.org).

- 5.1 Questions must be submitted in writing via email to Shelly Nisly ([mnisly@sanfordlab.org](mailto:mnisly@sanfordlab.org)). Answers will be emailed to all prospective bidders and posted to the sanfordlab.org website.
- 5.2 The bid period may be extended at the discretion of the SDSTA based on the quantity and/or complexity of questions. Any notices of extension of time to respond will be distributed to all prospective bidders.
- 5.3 All communication regarding this procurement between RFB release and Purchase Order being issued shall be directed to Shelly Nisly. Communications with other SDSTA staff regarding this procurement in advance of the Purchase Order being issued are not allowed.

### 6.0 Selection Process

The SDSTA will review all submitted bids for adherence to this request's requirements and capabilities and select the firm providing the Lowest Cost – Technically Acceptable bid.

#### Revision History

| Rev | Date      | Section | Paragraph | Summary of Change                     | Authorized by |
|-----|-----------|---------|-----------|---------------------------------------|---------------|
| 01  | 5/17/2022 | NA      | NA        | Initial issue                         | CCR 573       |
| 02  | 12/1/2022 | NA      | NA        | Change document number from OC to COM | CCR 655       |