
REQUEST FOR BID – REV2

SCBA – Self-Contained Breathing Apparatus Equipment with Accessories

South Dakota Science and Technology Authority

SDSTA Purchase Order # 27016
February 5, 2025

Revised Posted Date: February 26, 2025

The South Dakota Science and Technology Authority (SDSTA) is seeking bids for **SCBA – Self-Contained Breathing Apparatus Equipment & Accessories** 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 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 the following, including shipping:

1. Carrying Bag for Full Mask (**6 EACH**)
 - a. Nylon
 - b. Draw String
 - c. Lined
 - d. Non-Scratching
 - e. Blue Color Preferred
2. SCBA Case Complete (**6 EACH**)
 - a. Rigid HDPE
 - b. Fits Harness, Back Plate, Face Mask, Valve and Cylinder
3. Charging Adapter for HP for Compressor (**1 EACH**, if not already included)
 - a. Quick Connect

4. Cylinder (**6 EACH**)
 - a. 4500 PSI
 - b. 60 Minute
 - c. Carbon Composite
 - d. Impact & Abrasion Resistant

5. Full Face Mask (**6 EACH**)
 - a. Protection Against Particles and/or Gases and Vapors
 - b. Double Sealed Body with Triple Sealing Edges
 - c. Mask Body Material – EDPM or Skin Friendly Silicone
 - d. Visor Material
 - i. Plexiglass
 - ii. Impact & Scratch Proof
 - iii. Increased Heat Resistant
 - iv. Increased Chemical Resistant
 - v. Fog Reducing or Eliminating
 - vi. Distortion Free with 180 Degree Field of Vision
 - e. Available in three sizes (S, M, L)
 - f. 5-Point Chemical Resistant Rubber Head Harness with Textile Easy On/Off Hairnet
 - g. Tailored with Team Communication System
 - h. NFPA Rated

6. Self-Contained Breathing Apparatus with Monitoring System (**6 EACH**)
 - a. NFPA Rated
 - b. Flexible Fit
 - c. One Cylinder Configuration
 - d. Chemical Resistant
 - e. Cooling Channels in Shoulder Straps & Waist Belt
 - f. High-Grip Harness with Anti-Slip Inner Surface
 - g. 3-Position Backplate

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.....	02/05/25
RFB Response Due	02/25/25
Purchase Order Issued By (Target)	03/05/25
REVISED RFB Posted	02/26/25
REVISED RFB Response Due.....	03/13/25
REVISED Purchase Order Issued By (Target).....	03/26/25

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 information

5.0 Bid Requirements

- 5.1 For your bid to be eligible for consideration, please submit an electronic copy in **.pdf format** to Shelly Nisly at mnisly@sanfordlab.org.
- 5.2 Questions must be submitted in writing via email to Shelly Nisly (mnisly@sanfordlab.org). Answers will be emailed to all prospective bidders and posted to the sanfordlab.org website.
- 5.3 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.
- 5.4 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