

REQUEST FOR QUOTES

Request for Quotes HVAC Mechanical Services – Surface & Underground

RFQ Posted: September 3, 2019
Proposal Due Date: September 13, 2019 by 2:00 P.M.

The South Dakota Science and Technology Authority (SDSTA) is seeking quotes for HVAC Mechanical Services for Sanford Underground Research Facility (SURF).

Documents included in this Request for Quote include:

- A. Request for Quotes (RFQ)
- B. Draft contract (2019-30 to be released later)
- C. Contractor ESH Qualification Questionnaire

1.0 Background

The South Dakota Science and Technology Authority (SDSTA) is a quasi-governmental agency established by the State of South Dakota to operate and manage the Sanford Underground Research Facility (SURF) in Lead, South Dakota. This facility has been developed to support a variety of scientific experiments, including physics, biology, geology, and others. SURF advances our understanding of the universe by providing laboratory space deep underground, where sensitive physics experiments can be shielded from cosmic radiation. Researchers at Sanford Lab explore some of the most challenging questions facing 21st century physics, such as the origin of matter, the nature of dark matter and the properties of neutrinos.

2.0 Scope

The South Dakota Science and Technology Authority is seeking quotations to furnish the labor, equipment, and all utility and transportation to provide property-wide HVAC services on an on-call basis. Work will be performed on the surface and underground.

- Bi-annual inspections (Fall & Spring) of HVAC units, smaller heaters and air conditioning unit's property-wide;

Trouble-shoot and repair equipment as listed, and provide and install parts as needed.

- **Yates Complex**
 - Administration Building
 - RTU (4)
 - #1 Data NA, new in 2015
 - #2 RUUD Model RRGF-250125CKR
 - #3 RUUD Model RRGF-250100 CLR
 - #4 RUUD Model RRGF-250100 CLR
 - Mini Split for 2nd floor vault
 - Mitsubishi: Model PUZ-A42NHA6

- Includes condensate pump in ceiling
 - IT Net Work Room AC head end units (2) – (exterior of Admin)
 - SANYO Model M/CHDX09053
 - Includes (5) discharge units (in the network room)
 - IT Network Room AC backup
 - Northwind Model KHX2452
 - Water heater
 - **TBD**
- Education-Outreach
 - RTU (2) “RUDD” HVAC (6.5 ton – natural gas)
 - Name plate data is gone
- Yates Head Frame shaft heaters
 - Yates Ramp Titan
 - TITAN Model 30-NG HRH
 - Yates Head Frame Titan
 - TITAN Model TA-133 NG HUH DA
- Yates Hoist Room
 - Titan at East side
 - TITAN Model 30-NG-HRH
 - Heat wagon for cage hoist: **(currently out of order)**
- Motor Repair
 - 1st Floor and 2nd Floor
- **Ross Complex**
 - Ross Head frame
 - Ross shaft heater Titan
 - TITAN Model TA-133 NG HUH DA
 - Ross warehouse
 - Radiant and forced air
 - Ross Dry
 - Meeting Room
 - REZNOR Model UDAP200
 - Front office mini-split
 - Fujitsu: Model AOU24RLXFW
 - Shower-change room
 - ERT Room mini-split
 - Fujitsu: Model AOU24RLXFW
 - Water heaters (2)
 - ERT Storage Building
 - Ross Hoist Room
 - Bat Cave mini-split
 - Fujitsu: Model AOU24RLXFW
 - Hoist Room (3)**(units off line, new for 2017)**
 - **New units will be under warranty until Fall of 2018**
 - New units are the BOSCH Buderus SSB 512 boilers
 - Includes an auto fill system with a water treatment generator

- **Water Treatment Complex**
 - Effluent Building
 - CO-RAY-VAC Unit off line – **to be replaced**
 - **Using a Fostoria unit – not to be part of the Service Agreement**
 - Influent Building
 - **Using 2 Fostoria units – not to be part of the Service Agreement**

for the underground units

- **4850 Area of Refuge AC Units:**
 - Units 1-2-3: Head End and Coolers (3)
 - Fujitsu Model 30CLX1
 - Dehumidifier condensate collections (2)

3.0 Rates and Fees

- Provide labor rates for all personnel.
- Provide a list of all equipment to be used on property and rates
- Three references

4.0 Submission Requirements

Provide an electronic copy (.pdf format) of the quote no later than 2:00 p.m. September 13, 2019 by 2:00 P.M., to: mbaumann@sanfordlab.org.

The quote period may be extended at the discretion of SDSTA based on the quantity and/or complexity of questions. Any notices of extension of time to respond will be distributed to all prospective proposers by SDSTA.

All communications regarding this procurement between RFQ release and contract award shall be directed by email to mbaumann@sanfordlab.org. Communications with other SDSTA staff regarding this procurement in advance of the contract award are not allowed.