



STATE OF HAWAII
DEPARTMENT OF HEALTH
KA 'OIHANA OLAKINO
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HONOLULU, HI 96801-3378

In reply, please refer to:
File: LPRB

July 14, 2023

The Department of Health, State Laboratories Division, Laboratory Preparedness and Response Branch is soliciting bids for the annual re-verification/certification of the BSL-3 Laboratory Areas located within the Kamauleule Building, 2725 Waimano Home Road, Pearl City, HI 96782

Professional Requirements

- 1) Bidder shall be a Professional Engineer (PE) licensed to do work in the State of Hawaii.
- 2) Have a minimum of 5 years of experience doing similar work.
- 3) Licensed PE shall have a BSL-3 Certificate of Training on ANSI Z9.14 – testing and Performance Verification of BSL-3 and ABSL-3 Ventilation Systems

Scope of work

Work Area:

The BSL-3 work area shall include Rooms 2206 (Main Lab), three (3) Isolation Suites (approximately 150 sq. ft – each suite), Autoclave Room, Shower Room, anteroom, and adjacent hallways and rooms.

Total work area: 1950 square feet.

Schedule:

Work shall be completed within two (2) months of Notice to Proceed.

Equipment:

Bidder shall provide all equipment required to perform the necessary tests.

All measurement equipment used shall be NIST traceable and copies of the NIST calibration certificates shall be included in the final report.

Verification of Air Flow, Temperature, and Humidity:

Differential pressure testing and smoke pencil visualization between rooms to verify directional airflow is drawn into the BSL-3 laboratory from "clean" areas and move towards "less clean" area of the suite.

Functional testing of the HVAC systems and visualization of room airflow patterns and containment using smoke to verify that sustained positive pressurization of the laboratory is prevented. Containment will be verified during normal operating conditions, and emergency generator back-up power conditions.

All actual supply and exhaust airflows will be measured in the suite, recorded, and compared to the suite design air exchange rates.

Measure the air flow at supply and exhaust registers using NIST traceable equipment and compare the suite design air exchange rates.

Verification of temperature and humidity controls by comparing field measurements to the facility energy management and control system (EMCS) readouts. Verification will include seven-day stability measurements.

Verification of local and remote alarms. i.e., suite negative pressurization failure (if applicable).

Preparation of Report

Report shall contain the following:

Present raw data in both table and graphical formats.

Analysis of data to determine the suitability of the air flow in the laboratory area for use for BSL-3 and BSL-2 work following the recommendations found in the BMBL-6.

Present conclusions regarding the suitability of the spaces for use.

Provide recommendations to address any issues.

Provide a list of all equipment used for testing and copies of the calibration documentation which covers the period in which the equipment was used.

Please submit your price quotation by 12 PM (Hawaii Time), **July 28, 2023**, on HlePRO. Award will be made to the lowest responsive, responsible offer. The offeror must be able to produce a Certificate of Vendor Compliance at the time of award and for final payment.

For information on the Certificate of vendor Compliance, please refer to the SPO Website at www.spo.hawaii.gov

The price shall include all applicable taxes and fees. HlePRO may charge transaction fees that the awarded bidder shall be responsible for paying.

If you have any questions or require more information, please contact Ms. Elsie Cristobal at (e-mail: elsie.cristobal@doh.hawaii.gov or phone at 808-453-5990) or Ms. Remedios Gose at (e-mail: remedios.gose@doh.hawaii.gov or phone at 808-453-5993).