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No. 2018-19/Pur/BSLIII

Date: 30.10.2018

Expression of Interest for BIOSAFETY LEVEL-3 LABORATORIES

CSIR-CDRI, Lucknow intends to engage an agency for Turnkey project for **BIOSAFETY LEVEL-3 LABORATORIES (BSL-3)**. A pre-indent conference is being arranged on 19th November 2018 at 11:00 AM in the CDRI, Purchase conference room.

Prospective Bidders those have the instruments are invited to make presentation followed by discussion on Technology, Features, Design, Utility, Parameters (Technical) clientele etc. for more details refer our website www.cdri.res.in

Stores & Purchase Officer

Email – spo@cdri.res.in

Cont. – [0522-2772450](tel:0522-2772450)

Tender Notice No. – 2018-19/Pur/BSLIII

Sub. : Expression of Interest (EOI) for **INSTALLATION, COMMISSIONING, VALIDATION, OPERATION AND MAINTENANCE OF BIOSAFETY LEVEL-3 LABORATORIES AT CDRI NEW CAMPUS, LUCKNOW, INDIA**

CSIR-Central Drug Research Institute (CDRI), Lucknow (U.P.) is one of the constituent Laboratories situated at Jankipuram Extension, Sitapur Road, Lucknow. under the council of Scientific & Industrial Research (CSIR) engaged in providing solutions to almost all area of Drug Research.

Vide the above said notice CSIR-CDRI intends to “INSTALLATION, COMMISSIONING, VALIDATION, OPERATION AND MAINTENANCE OF BIOSAFETY LEVEL-3 LABORATORIES AT CDRI NEW CAMPUS, LUCKNOW, INDIA

GENERAL SPECIFICATIONS:

INSTALLATION, COMMISSIONING, VALIDATION, OPERATION AND MAINTENANCE OF BIOSAFETY LEVEL-3 LABORATORIES AT CDRI NEW CAMPUS, LUCKNOW, INDIA

The CSIR-Central Drug Research Institute invites proposals from parties for executing a TURNKEY PROJECT for BSL3 labs comprising following work elements:

- (1) Examine the Institute's existing infrastructure proposed for BSL3 & ABSL3 labs.
- (2) Submit the design and specifications of a BSL3 and ABSL3 lab as per international guidelines.
- (3) Execute the work plan, approved by Institute’s technical committee, towards the installation, commissioning, validation, operation and continued maintenance of the BSL3 and ABSL3 facilities for a period of three years following installation.
- (4). Obtain and periodically renew certification as per international standards (CDC guidelines) of the premises over a period of 3 years following installation.

To visit the Institute for a preliminary assessment of the proposed site interested parties may fix an appointment with the undersigned on any working day. Interested parties must submit their response (hard copy on official letterhead, signed by an authorized signatory, addressed to The Director, CSIR-Central Drug Research Institute, Lucknow 226031, India, placed in a sealed cover marked: **New BSL3 Labs**) to the **SPO, CSIR-Central Drug Research Institute, Sector 10A, Janakipuram Extension, Sitapur Road, Lucknow 226031, India** within 21 days of advertisement containing details as specified below. The following outline of user requirements is intended to provide vendors with a preliminary assessment of likely infrastructure requirements:

- 1. General:** Single-vendor, turnkey project. Expected Time-line: within 120 days of receipt of confirmed purchase order. Three-year maintenance and operation contract, including stationing of one competent person at the premises to undertake routine daily maintenance and periodic preventive maintenance operations. Guarantee of maximum response time of 48h and maximum down time (i.e., period for which the facility remains non-operational) of 72 h is required.
- 2. Internal works:** Monolithic epoxy resin flooring, doors and windows as per approved design. Hermetically-sealed partitions, fumigation-resistant without separate rubber/polymer gasket. Concealed lab wiring and provisions for all necessary electrical items such as micro circuit breaker

panels, switches, fluorescent light fixtures, 5/15 Amp wall sockets, 20 Amp industrial sockets, etc. for use by HVAC equipments, lab equipments and general fixtures and fittings.

Power backup: Dedicated, true sine-wave backup employing UPS, sufficient for 3 hours of automatic (unattended) operation of HVAC + lab equipment at full load. The whole facility will additionally be backed up by suitable generator set.

3. Doors: Self-closing, air-tight, electrically and mechanically interlocked. One emergency exit.

4. Liquid handling and effluent treatment: One hands-free long-body faucet and 450-460 mm 304 grade stainless steel sink. One eyewash station - both connected to effluent treatment system. Water softener must be provided in-line before line enters into biosafe area. Drain line will have to be connected to effluent treatment system. Boiler or chemical strictly as per Biosafety guidelines.

5. Two-way autoclave. High-quality, hypochlorite-resistant, wall-mounted horizontal unit. Capacity: about 90 litres. **Three-year free replacement warranty if corrosion is observed in inner chamber.**

6. Heating, Ventilating and Air-Conditioning (HVAC) and Negative Pressure System: Supplying 'Once-through' air, at the rate of more than 6 air changes/Hr with HEPA / ULPA (99.99%) In/Out filtration. HEPA/ULPA filters should be equipped with removable pre-filters accessible from outside of biosafe area (two sets). Negative pressure difference between passages/corridors and external areas must be at least minus 10 Pascals. Difference between biosafe area and passages should be minus 35 Pa. Redundant exhaust system. Temperature: 22°C ±2°C; RH: 50% ±10%. Non-CFC Refrigerants and Electrical heating. Ambient temperature range at site of installation is from 0°C to 45°C across seasons.

7. Building Management System (BMS) to monitor pressure, temperature and relative humidity, equipped with appropriate alarms. Closed circuit camera monitoring of working area. Telephone and intranet connection with intercom and wireless network to be provided for one PC.

8. Equipment and furnishings to be provided in BSL-3 labs: Pass-boxes, wall-mounted, two-way autoclaves dedicated for in vitro lab and animal lab.

Design of each BSL-3 and ABSL-3 lab should have provision for housing at least two biosafety cabinets (6 feet work area), one 300 litre incubator, one bench top centrifuge, one water bath, a sonicator and a working table (8'x3') in addition to working area for two-three persons at a time. The lab equipments are not part of this indent and will be procured separately.

Parties applying for EOI must have proven record of having established and maintaining BSL3/ABSL3 facility on turnkey basis at national/international level. Responses will be evaluated by an internal committee that will recommend empanelment of the responding parties. Only empanelled parties will be invited to respond to a detailed request for proposal (RFP) to be issued within a month after first EOI meeting for execution of the project.

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