

## **Information to the Applicants for Submission of Research Proposal for Ready to use Modular Laboratory Space at Guwahati Biotech Park Incubation Center (GBPIC)**

### **Facilities Available at GBPIC:**

**1.1 Modular Laboratories:** (a) At present, a few Modular laboratories are available of different sizes viz. 300 - 1620 sqft (bigger labs may be customized into smaller labs according to the requirement of applicant).

(b) All the laboratories are designed as per standard laboratory requirements viz. vitrified floor, false ceiling, sufficient passage area, air condition units, fire detection systems, water supply and drainage, sufficient electrical outlets, safety showers etc. Each modular laboratory, apart from the core laboratory area, has a separated furnished office unit for the use of laboratory staff.

(c) The core laboratory areas are equipped with laboratory work stations (island bench & wall benches). A few modular laboratories are also equipped with chemical fume hoods which will be leased out as per the requirement of applicants. Fume hoods will be charged separately.

(d) The laboratory space shall be available on reasonable lease charges (Refer Clause 4). The selected entrepreneurs will have to pay a monthly rental to GBPIC on per month per sqf basis.

**1.2 Equipments available at rental basis:** A few common laboratory equipments like Laminar Hood, Chemical Fume Hood, Rotary evaporator etc can be rented on short term/long term basis on payment of charges according to the mutually agreed terms. Kindly refer the equipment user charge list (Annexure A - F).

**1.3 Power & Air condition:** Laboratories will have 24X7 hours power supply. Each laboratory has equipped with split AC units. Each modular laboratory has separate energy meter and occupant has to pay the cost of their own. In case of any damages or maintenance issues that arises out of the activities of the occupant, the charges for the same have to be borne by the occupant. All general wear and tear will be borne by GBPIC.

**1.4 Water:** Laboratories will have 24X7 hours water supply.

### **1.5 Analytical facilities:**

**(a) Central Analytical Instrumentation Facility (CAIF):** GBPIC has a modern and sophisticated Central Analytical Instrumentation Facility which is solely owned and operated by GBPIC.

CAIF has the following instruments and services:

LCMS/MS, HPLC (Prep & Anal), MS Directed Auto purification System, GCMS, CHNS Elemental Analyzer, FT-IR Spectrophotometer, Fluorescence Spectrophotometer, UV Spectrophotometer, Speedvac and Ultracentrifuge.

Entrepreneurs can expedite their research by taking full advantage of this facility in terms of analysis of samples/testing etc on payment of charges. (**Annexure A**)

The scientific and technical staff of the entrepreneurs may upgrade their technical expertise by taking the advantage of on hand training in different instruments of Central Analytical Instrumentation Facility (CAIF) on payment of charges.

**(b) Equipments of Specialized Laboratories:** The equipments/instruments of the specialized facilities of GBPIC *viz.* Medicinal Plant Extraction, Bio-prospecting, Micro-propagation, Fermentation and Bioinformatics Facility may be used by the entrepreneur/ incubatees on first come first serve basis on payment of fixed charges under the supervision of the staff of GBP/GBPIC. The available equipments under the facilities *viz.* Bioprospecting Facility, Micropropagation Facility, Herbal Extraction Facility, Fermentation Facility and Utility are listed in **Annexure B-F**.

**(c) Spectroscopy grade water:** GBPIC has a Millipore Water Purification system and the spectroscopy grade water will be available on payment of charges.

**2.1 Library & e-journal facility:** GBPIC has a small library having books, journals, periodicals, magazine etc. E-journal facility is also available at GBPIC.

**2.2 Conference Room:** A well equipped conference room of 600 sqft area is available at GBPIC which can be rented out on payment of charges.

**2.3 Cafeteria:** A small cafeteria is available at GBPIC.

**2.4 24X7 hour's security:** GBPIC has 24X7 hours security service in its premises.

**2.5 Guest House Facility:** IIT Guwahati Guest House will be available on prior request. Payments will need to be paid according to the IIT Guest House rates.

**2.6 Use & disposal of Hazardous chemical/effluent/Waste:** The occupant will have to take the responsibility to adopt their own mechanism of disposing/treatment of hazardous effluent/chemicals related to the project to be undertaken. GBP will not be responsible for the treatment/disposal of any such materials. It is mandatory that while disposing/treatment of hazardous effluent/chemicals, the occupant is complying with all Government and Statutory norms. GBP reserves the right to ask for reports on the use & disposal of Hazardous chemical/effluent/waste from the occupant from time to time.

**2.7 Regulatory affairs/approvals:** The responsibility of handling different regulatory affairs and getting approvals regarding Environment, Health & Safety Policy and Practice related to the project to be undertaken will solely remain with the occupant.

**2.8 Intellectual property Rights:** Intellectual property rights (IPR) with respect to the products and processes developed solely by the occupant in the Asset premises shall remain with the occupant. If, however, any intellectual input in the development of such properties is being

harnessed from any individual of GBP the IPR will be shared as per the mutually agreed terms and conditions laid in the agreement.

**2.9 Maintenance of the Assets:** The occupant will be responsible for the proper maintenance of all the assets handed over to them. In case of any damages, faults which may arise due to the activities of the occupant the same will be recovered from the occupant.

**2.10 Monitoring and review of the projects:** The proper implementation of the progress of the project will be monitored and reviewed from time to time by an Technical Review Committee of GBPIC. The monitoring and review is for ensuring proper implementation of the project according to the proposal and is for the assessment necessary for continuation and extension of the project.

### **3. Scope and area of the projects to be undertaken**

**3.1 Scope of the project to be taken up by entrepreneurs:** The entrepreneurs may pick up projects within the scope of Research and Development (R&D), Concept Testing, Technology development, Technology validation, limited scale manufacturing etc. Bulk manufacturing of commercial products or other commercial activities shall not come under the scope of the projects to be taken up in GBPIC.

#### **3.2 Area to be undertaken:**

**(a) Broad Area:** The entrepreneurs must have been in the field of undertaking R&D activities in the broad arena of biotechnology and related fields.

**(b) Thrust areas:** Healthcare and Pharmaceuticals, Agro-biotechnology, Industrial biotechnology & Bioinformatics.

**(c) Specific areas:** A number of specific areas within the above broad areas have emerged based on current trends in global biotechnology research and with special emphasis on the potential bio-resources available in the North-Eastern region.

A few of such specific areas are as followed:

Medicinal & aromatic plant extraction

Tissue culture

Bio-prospecting (Drug discovery)

Food Technology

Enzyme biotechnology

Fermentation technology

In-silico biotechnology  
Microbial biotechnology  
Flavor & fragrance biotechnology  
Bio-energy  
Bio-fertilizer & bio-pesticide  
Tea biotechnology  
Oil-Biotechnology  
Natural dye technology  
Fiber biotechnology  
Paper biotechnology

#### **4. Lease Rent**

- (a) The lease rent of the modular laboratory will be at the rate of Rs. 40.00 (Forty Rupees) per sqft per month.
- (b) A nominal lease rent of Rs. 15.00 (Fifteen Rupees) per sq.ft. per month will be charged for a few less renovated laboratories from entrepreneurs based on the recommendations of the project by the Entrepreneur Selection Committee and subject to availability of space.
- (c) A nominal lease rent of Rs. 5.00 (Rupees Five) per sqft will be charged for a limited period of 6 months for student entrepreneurs based on the recommendations of the project by the Entrepreneur Selection Committee and subject to availability of space. Thereafter, a student entrepreneur may get concession up to 50% on the actual lease rent i.e. Rs. 40.00 sq.ft. per month as per the mutually agreed terms and conditions.
- (d) The occupant has to pay the monthly lease rent on or before the 7<sup>th</sup> day of the month.
- (e) The monthly lease rent will be paid through one Demand Draft/AC payee Cheque as acceptable to GBP favoring “Guwahati Biotech Park Incubation Center” payable at Guwahati, Assam.
- (f) The payment of the lease rent shall commence from the date of signing of the agreement.

## **5. Lease Period**

The lease period will be initially up to 31 March 2018 and may be extended for a further period based on the progress of the project and on mutually agreed terms and condition. However, the lease period shall not exceed a cumulative period of three years (including the initial period) and the extension of the period beyond the initial period will be at the discretion of the lessor subject to the lessee fulfilling the terms and conditions of the Memorandum of Agreement that would be executed.

**6. Termination of engagement:** The engagement of the entrepreneur can be terminated by either party on serving 3 (Three) Month's notice as per the terms condition of the agreement.

## **7. Supporting Information**

- a. Charge list for the CAIF (Annexure A)
- b. Charge list of the equipments of Bioprospecting Facility, (Annexure B)
- c. Charge list of the equipments of Micropropagation Facility, (Annexure C)
- d. Charge list of the equipments of Herbal Extraction Facility, (Annexure D)
- e. Charge list of the equipments of Fermentation Facility (Annexure E)
- f. Charge list of the equipments of Utility (Annexure F)