

**Department of Biotechnology  
Ministry of Science and Technology  
Government of India**

**DBT-Boost to University Interdisciplinary Life Science Departments  
for Education and Research Programme (DBT-BUILDER)**  
(Request for Application)  
(15<sup>th</sup> October, 2019 to 15<sup>th</sup> November, 2019)

**Note: Last date has been extended till 15<sup>th</sup> December, 2019.**

Under the aegis of this programme, DBT is dedicatedly indulged in supporting the Life Science Departments of various Central and State universities and unprecedented promotion of their interdepartmental cross-talk with the vision to solicit a large number of post-graduate students to nurture them and make them competent enough for globally competitive emerging bio-economy.

**Purpose:**

The grant is intended to invigorate the interdisciplinary modern bioscience research through up-gradation of the post-graduate teaching and training laboratories; evolving a comprehensive curriculum without gaps and overlaps; and enhancement of the hands-on practical training to students so that they develop expertise in the field of Life Sciences.

**Nature of support:**

**The grant would be provided for**

- i. Renovation /Refurbishment of existing and new facilities consisting of the following:  
State-of-art labs for teaching & demonstration: Each postgraduate laboratory should accommodate 24 students & may consist the following (listed below for guidance):
  - a. **Civil Works (only for Renovation & Refurbishment) and Interior Infrastructure (No fresh Construction):** Proposals involving the Renovation & Refurbishment must possess all the necessary clearances/approvals from the concerned authorities such as environment, state Govt. clearances, if applicable. Budget proposed on CPWD or State PWD rates (including the budget for interiors e.g. cooling etc.), which may be certified by a registered architect.
  - b. **Equipments** suggested for up gradation, AMC/ CMC, refurbishment, for teaching purpose (only be provided if not existing). A list of existing facilities and equipments needs to be provided by the Institution.
  - c. **Sophisticated common facilities** (Only those which are related to the area of research and if not available are to be asked): e.g. Animal House Facility, Proteomics Facility (TOF-TOF & Q-TOF), 2-D Electrophoresis Systems and Protein Image Analysis System, Genomics (RNA/DNA Work Station, PCR Machines, Hybridization, RT-PCR System), Microarray Facility (Spotter, Scanner and Image Analysis), High Speed Centrifuge and Ultracentrifuge &

Rotors, Biological Containment (P3) Lab, Green House Facility, Large scale protein purification system (Octa-explorer), Cell Culture (Animal, Plant and Microbial) Facility, including scale-up bioreactors. The list is indicative, while the PI may propose the actual requirement as per the need and utilization.

- d. Operational cost** like consumables and contingencies for different thematic research groups.
- e. Salaries of the manpower:** The manpower would be regular/contract appointments made by the university and they would devote 100% time to the DBT-BUILDER. The university must give a written commitment to this effect. A letter of undertaking stating that the financial liability for the manpower involved would be borne by the university at the end of the project support is essential provided the manpower has been involved in the project for not less than 3 years in continuation. Such commitment could be given by the Vice-Chancellor of the University.

### **Who can apply?**

- a) UGC recognized Central, State and Private universities / PG colleges registered under Central Universities Act 2009 and section 2(f) and 12B (for PG colleges only) of the UGC Act, 1956(<http://www.ugc.ac.in/>) with proven track record in life sciences research and education are ONLY eligible to apply.
- b) The university should have proven track record of performance in the following:
  - Current status of Ph.D. students;
  - Size of Faculty;
  - Infrastructure available;
  - Readiness for administrative reforms;
  - Available Expertise;
  - Innovative ideas from discovery to market;
  - Teaching activities;
  - Linkages with industry;
  - Team spirit in collaborative research;
  - Publications in high impact journals;
  - Patents, technologies developed/transferred/ commercialized etc.

### **How to apply?**

Proposals may be submitted through 4 set Hard copies (via speed post) & soft copy via email (Garima.g@nic.in.)

Detailed guidelines are available at <http://dbtindia.nic.in/index.asp>.

### **For further details, please contact:**

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