

The Department of Biotechnology, Govt. of West Bengal has initiated an academic programme for improvement of infrastructure in UG/PG colleges in West Bengal as an integral part of promotion of biotechnology. This aims to enhance the availability of trained man-power which will serve as a national intellectual corpus repository in Biotechnology and Science & Technology sectors. The Department will fund state funded / aided colleges (UG and PG) and Universities offering various courses in Biological sciences with evidence of a biotechnology component. Proposals are invited for consideration of support under a scheme entitled “**Biotechnology based Opportunities Offered to Science & Technology departments” or BOOST** to be provided at three levels.

Nature of Support: The Scheme will provide funds for development of infrastructure facilities for teaching and research, and will include renovation of existing laboratory space (no fresh constructions), up-gradation of existing facilities involved in UG/PG teaching and research, acquisition of essential equipment, networking & computational facilities. The facilities will support the efforts of the Department as a whole or a number of faculty members and individual R&D support would not be considered under this Scheme. The requirements for the grant are as follows:-

Duration: The duration of support for each project will be for a maximum of 5 years.

Type of support: The support will be offered at two levels:

BOOST – I

- The funding will be up to Rs. 25 lakhs spread over a period of 3 years.
- Colleges must have an accreditation to any university of West Bengal.
- The minimum number of UG students will be 30 per discipline.
- The minimum number of regular faculty shall be 4 per department (of which 2 should have PhD/equivalent degree). Guest faculties do not qualify as faculty.
- The departments selected should not have received an infrastructure development grant in the last 3 years of above 25 lakhs (sanction letter to be attached at the time of application)
- The departments selected should not have received an infrastructure development grant from Dept. of Biotechnology, Govt. of West Bengal.

BOOST – II

- The funding will be up to Rs. 50 lakhs spread over a period of 3 years.
- Colleges must have accreditation to any university of West Bengal.
- The minimum number of PG and UG students was to be 10 and 30 respectively.
- The minimum number of regular faculty shall be at least 4 per department (at least 2 holding a PhD/equivalent degree); preference may be accorded to departments having additional faculty registered for PhD/equivalent degree
- Evidence of reasonably high quality teaching and academic research.
- The departments should not have received an infrastructure development grant in the last 3 years of above 50 lakhs (sanction letter to be attached at the time of application).
- The departments selected should not have received an infrastructure development grant from Dept. of Biotechnology, Govt. of West Bengal.

BOOST III grant: (Centres of Excellence in Biotechnology)

- The funding will be up to Rs. 100 lakhs spread over a period of 3-5 years
- All Universities in West Bengal are eligible and if colleges can fulfill the below mentioned criteria, they may also apply.
- The minimum number of PG students per department shall be 10.
- Preferably three departments per university should benefit from the scheme with one of the departments being a Dept. of Biotechnology
- Minimal laboratory facilities should be existing at the time of application

- Evidence of extra-mural research grants received in the last 3 years.
- Awards received by faculty members of the Department.
- The minimum number of permanent regular faculty members per department shall be at least 4, all having a PhD/equivalent degree; preference may be accorded to departments having additional faculty registered for PhD/equivalent degree
- The individual University departments selected should not have received an infrastructure development grant from any agency in the last 3 years of a value above 50 lakhs (sanction letter to be attached at the time of application).
- The departments selected should not have received an infrastructure development grant from Dept. of Biotechnology, Govt. of West Bengal.

Selection: The selection will be through a peer review mechanism and visit to the laboratories, if necessary.

Application: Applications are invited from eligible UG/PG Departments at West Bengal State funded colleges or Universities in the prescribed format which can be downloaded from www.biotechbengal.gov.in. Three copies of the completed application Form along with a CD with proper labeling should reach the department on or before **14th August, 2014** at the following address:

Programme Officer,
Dept. of Biotechnology,
EN 24,3rd Floor, Sector V, Salt Lake,
Kolkata-700091

The application should be marked 'Proposal for BOOST-2014'

PRESCRIBED FORMAT

BOOST - 2014

BOOST-I

BOOST-II

BOOST-III

“Biotechnology based Opportunities Offered to Science & Technology departments”, BOOST - 2014

- 1.a) Name of the College/University & Year of Establishment:
- b) Names of the participating undergraduate/post-graduate Departments:
- c) Name of Academic Coordinator and address for correspondence including Tel. FAX, e-mail
- d) Year of Commencement of UG/PG Program in the Department & its Financial Status (General/ Self-financed)

2. **Status of the College** (attach supporting documents)
Academic Status [Affiliated College/ Autonomous College/ Constituent College]

3. **Whether the College is accredited by NAAC or any other relevant agency.** If so, please specify the Grading or Rating by those Agencies:

Name of Agency doing the Accreditation	Grading or Rating	Year of Accreditation

4. **Details of Participating department faculty Members with Qualifications:**

Name of UG/PG Departments	Number of Faculty Members	Qualifications
		Post-graduate – Doctoral -

5. **Details of participating depts.: number of students admitted and passed during last three years:**

Name of UG/PG Department	Admitted			Passed		
	2011	2012	2013	2011	2012	2013

6. **University Rank of Students at UG/PG Level University Examinations: (if applicable)**

UG/PG Programs	University Ranks during last 3 years		
	2011	2012	2013

7. **No. of Students qualified NET/GATE/INSPIRE etc. during last 3 years in the participating departments**

UG and PG Programs	No. of Students qualify NET/GATE/INSPIRE etc. during last 3 years		
	2011	2012	2013

8. **Has the Department received any major infrastructure research grant during the last five years from S&T agencies including UGC/AICTE. If yes, details. Please provide sanction letter.**

<i>Heads</i>	<i>Identified dept.</i>	<i>Year of sanction</i>	<i>Granting agency</i>	<i>Amount sanctioned per dept</i>
Building				
Equipment				
Books				
Consumables				
Computing				

9. **Details of research grant received from different agencies during the last five years:**

<i>Name of the Investigator</i>	<i>Title of the project and duration</i>	<i>Amount sanctioned</i>	<i>Funding Agency</i>

10. **Indicate the research activities of the faculty members as per the following proforma:**

<i>Name and Designation of Faculty</i>	<i>Major areas of Research</i>	<i>Number of Ph.Ds produced (in last 5 years)</i>

11. a) **List of Research Publications** in SCI Journals coming from the Department during the last five years (Authors Names, Title of Paper, Name of the Journal, Volume, Page nos., Year).

b) **List of Publications in Conference Proceedings** during last five years (Authors Names, Title of Paper, Name of the Conference, Volume, Page nos., Year).

c) **List of scientific/ technical Books** written by Faculty Members in the College.

12. **Give a list of Equipment**, which are available and functional in the Department costing Rs.5 lakhs and above.

<i>Name of Equipment</i>	<i>Year of Purchase</i>	<i>Status</i>

13. **Details of Undergraduate/Post-graduate Teaching & Research profile/ plans of the Department for next 5 years.**

14. **Details of funds requested for 5 years along with phasing for each year:**

<i>Sr.No./Items Name</i>	<i>Total FE Cost</i>	<i>Total INR Cost</i>
A. Equipment (Name of each Equipment)		
B. Infrastructure Facilities (Books, Renovation of Labs etc.)		
C. Networking & Computational Facilities etc.		
D. Maintenance of Equipment		
Total		

15. Details of each Budget Head with full justification for each item as given at Item No. 14.

16. Specify the recipient of the Grant (Principal / Any other) by attaching an endorsement from Head of Institution/ University. Information submitted as above is true and is correct.

17. Any workshop/academic meeting arranged in last three years? If so details of such workshop/meeting.

Signature of the
Head of the Department

Signature of the
Coordinator

Signature of the
Head of the Institution