

REPORT
LTK COLLEGE DBT BIOTECH HUBS
2017-2022
PROJECT UNDER DBT NERBPMC

<https://dbtindia.gov.in/schemes-programmes/promoting-biotechnology-north-east-region/about-ner-programme-ner-bpmc>

1. Name & Address of the Institution:

2. L.T.K. College, Azad ,NorthLakhimpur, Assam-787031.

3. Name & Designation of the Coordinator:

4. Mr. Prabhat Saikia, Assistant Professor (Botany)

5. Name & Designation of the Co-Coordinator:

6. Mr. Manoj Neog, Assistant Professor (Zoology)

7. Telephone, Mobile, and Email of the Coordinator & Co-Coordinator: 9678761742,
email:saikia_prabhat@rediffmail.com

8. Level of the Biotech Hub: Institutional

9. Date & Year of the sanction of biotech hub with DBT's Sanction Order No: Year: 2013,
sanction no.: BT/32/NE/2012 dated 19/9/ 2013

10. A brief notes

: Institutional Level Biotech Hub was established at LTK College, Assam during the session 2013-14 with the financial assistance received from the Department of Biotechnology, Ministry of Science & Technology, Govt. of India under NER-BPMC.

The major objectives of establishing the Institutional Level Biotech Hub at LTK COLLEGE are to provide basic laboratory facilities with necessary equipments to carry on biotechnological research for the benefit of all the stakeholders and also to bring awareness in Biotechnology.

11.

Hub provides facilities to the UG students of Botany and Zoology and allied departments science of this College to perform their Projects and Molecular biology practical. Two Papers were published in two International Journals (AIJRR and IJMDRR). Provide Laboratory facility to the Community College of L.T.K. College to perform their practicals.

12.


Principal
L. T. K. College, Azad
North Lakhimpur

13. Details of Grant received so far:

(a) Total Grant received and utilized so far:

Year	(Rs. In lakhs)			
	4 th 2016-17	5 th 2017-18	6 th 2018-19	Total
Total Grant Received				
a. Non-Recurring				
b. Recurring	6.27	5.67	4.07	16.64

(b) List of equipments'procured under the biotech hub since its inception:

Sl no.	Name of the equipment	Model no. & brand name	Cost in Indian rupees	Date of purchase	No of researchers/students utilized these Equipments
1.	Portable autoclave	Optics technology	22,900.00	14.03.2014	students =28,researchrs=2
2..	Hot air oven	Optics technology, YSI-431	29,770.00	14.3.2014	do
3.	Incubator orbital shaker	Genei (merck bioscience),SLM-INC-OS-250	97,325.00	14.3.2014	students =14
4.	Laminar air flow	Optics technology	82,440.00	14.3.2014	do
5.	Spectrophotometer	Systronics, type-118	1,54,575.00	14.3.2014	students 28,researchers 2
6.	Trinocular microscope	Labomed, LX-300	97,325.00	14.3.2014	All botany &zoology students
7.	Weighing balance	Shimadzu, BL-220H	45,800.00	14.3.2014	Allbotany,chemistry&zoology students
8.	Vortex mixer	Genei (Merck bioscience)	13,740.00	14.3.2014	14 students of botany major
9.	Microcentrifuge	Genei (Merck bioscience), SLM-MCF-14K	51,525.00	14.3.2014	do
10.	Thermal cycler	Techware, 3PRIME	3,20,600.00	14.3.2014	do
11.	Gel documentation system	Merck bioscience	3,26,325.00	14.3.2014	do
13.	Vertical mini			14.3.2014	
14.	Digital ps 100			14.3.2014	
15.	Micropipette 4 nos.	Tarsons, 20, 10, 1000 µl	22,900.00	14.3.14	researchers 2,students 30
16.	Magnetic stirrer	Genei (Merck)	16,030.00	14.3.14	researchers 2

		MGS-04			
17.	Deep freezer with stabilizer	Celfrost, CF-300	34,350.00	14.3.14	researchers 2 and use for Lab
18.	Refrigerator	Godrej, EDGE-PRO	17,175.00	14.3.14	do
19.	OTG	Morphy Richards, 18RSS	4,580.00	14.3.14	According needs
20.	Digital pH meter with electrode	Systronics	13,740.00	14.3.14	According needs
21.	Soxhlet apparatus with heating mantle	Borosil	5,000	28.03 14	14 students
22.	Distil water plant	Borosil,3361-1.5lit/hr	36,000	18.03.14	Distilled water used for practical by botany,zoology &chemistry deppt.
23.	Spilt AC 1.5 ton	Godrej, GSC 18RF3wat	34,000	14.03.14	
24.	Ups 10 kv & 5kv	Better power	3,68,211	13.12.13	
25.	Acer DLP projector(LCD)	Acer, X1273n DLP	39,000	27.10.14	use on workshop,awareness camp and
26.	Laboratory Centrifuge	Remi	62,000	12.02.14	28 students
27	Students Microscope	Radical Instrument, 10 nos	80,150	10.09.14	All of UG students
		Total cost	19,75,461Lakh		

(c) Manpower Recruitment Details in respect to DBT sanctioned position (since inception):

Sl. No.	Name	Designation	Specialization	Period of engagement
1.	Indubhusan Dutta	J.R.F.	Biotechnology	01.01.2014 to 30.09.2016
2.	Kamal Borah	Lab. Assist.	10+2(Science)	01.11.2013 onwards
3.	Nipen Sonowal	Grade IV	10+2	01.11.2013 to31.10.2016
4.	Budhen saikia	Grade iv	10+2	1.11.2016 onwards
5.	Dr. Janmoni kalita	JRF	Biotechnology	1.10.2016 to 14.06.2017
6.	Farha Hussain	JRF	Biotechnology	17.11.17 to 26.12.17
7.	Tanu Jyoti Bora	JRF	Biotechnology	24.01.1018 to 30.11.2018
8	Pallabi Bharali	JRF	Biotechnology	1.12.2018 onwards

14. Contribution of Biotech Hubs in terms of Capacity Building at the Host/neighboring NER institutions: 2017 ONWARD

(a) Hands on trainings/workshops conducted for host / neighboring schools or institutions:

	isolation, separation Techniques and Bioinformatics		9th and 10 th April, 2017	participants	Assistant professors, students
4	Basic Principle molecular biology and bioinformatics	Both	Three days, 5 th , 6 th and 7 th May, 2017	15 participants	B.Sc. students and Science teachers
5	Hands on training on Molecular Biology and its Techniques	Both	Three days, 20 th , 21 th and 22 nd December, 2017	20 participants	Assitant Professor and teachers.
6	Hands on training on Bioinformatics	Both	Three days, 26 th , 27 th and 28 th March, 2018	52 participants	Assistant professors (deptt. of Botany and Zoology) and students
7	Techniques on molecular biology and bioinformatics	Both	three days 11 th - 13 th March, 2019	43 participants	Assistant professors (deptt. of Botany and Zoology) and students

(b) Seminars/symposium/awareness/outreach programs conducted for host / neighboring schools or institutions:

(c) Invited lectures offered at host/neighboring schools or institutions:

Sl. No.	Name of the resource person	Topic	Organized by	Duration & Date
1.	Mr. Prabhat Saikia Coordinator, IBT Hub, L.T.K. College	Basic tools of Biotechnology and their principle	BLiSS programme Panigaon H.S. School, Lakhimpur	1 day 11.02.2016

2.	Dutta, JRF IBT Hub, L.T.K. College	extraction ,visualization and also demonstrate the all instruments present in the hub	Panigaon H.S. School,Lakhimpur	30 th & 31 st March,2016
3.	Mr. Prabhat Saikia Coordinator & Dr Janmoni kalita JRF IBT Hub, L.T.K. College	Hands on Training on Bioinformatics(FASTA&BLAST)	Botany department,Girls college Lakhimpur	1 day 20 th March, 2017
4.	Dr Janmoni Kalita, JRF IBT Hub, L.T.K. College	Hands on Training on Bioinformatics(FASTA&BLAST)	Botany Department Madhab dev college ,Lakhimpur	1 day 30 th march, 2017
5.	Mr. Prabhat Saikia Coordinator and Farha Hussain JRF IBT Hub, L.T.K College	Scope and application on biotechnology	Sangam Academy Senior Secondary School	2 days 20 th and 21 th Nov., 2017
6.	Mr. Prabhat Saikia and Tanu Jyoti Bora JRF IBT Hub, L.T.K. College.	Practical programmed on Biotechnology Application	Panigaon H.S BLiSS Laboratory.	1 day 14 th feb,2018
7.	Mr. Prabhat Saikia	Hands on Training on Bioinformatics(FASTA&BLAST)	Dhakuakhana College of Lakhimpur.	3 day 31 st March to 2 nd April
8.	Mr. Prabhat Saikia	Practical programmed on Biotechnology Application	Sibsagar Girls' College.	1 day 18.03.2019

(d) Whether any consultancy and mentoring services are being provided to other institutional Biotech hubs, BLiSS, Star College programme etc. in DBT.

Sl. No.	Name of the resource person	Topic	Organized by	Duration & Date
1.	Mr. Prabhat Saikia Coordinator, IBT Hub,	Basic tools of Biotechnology and their principle	BLiSS programme Panigaon H.S. School,Lakhimpur	1 day 11.02.2016

[Handwritten Signature]
L. T. K. College, Azad
Noida, Lakhimpur

2.	Indubhusan Dutta, JRF IBT Hub, L.T.K. College	Demonstration DNA extraction ,visualization and also demonstrate the all instruments present in the hub	BLISS programme Panigaon H.S. School,Lakhimpur	2 days 30 th & 31 st March,2016
----	---	---	--	---

PHOTO BALARY



Mahi
Principal
L. T. K. College, Azad
North Lakhimpur



Photograph on workshop in biotech hub

Biotech Hub Extension letter

Institutional Level Biotech HUB at LTK College, Lakhimpur, Assam

From: P P Associate HRD <hrd.nerbpmc@dbt.nic.in> on Mon, 11 Apr 2022 16:34:43 [Add to address book](#)To: You & 2 others | See Details

Dear Mr.PrabhatSaikia,

This is with reference to your submitted project proposal titled “**Institutional Level Biotech HUB at LTK College, Lakhimpur, Assam**”

2. The above proposal was considered in the DBT-NER Steering Committee for Human Resource Development Programme which was held on **December 2-3, 2021**. The detailed observations and recommendations for the above-mentioned proposal are as follows:

The suggestions and recommendations of the Committee are as follows:

- Some lab course for the academic programme should be linked to the facility being created.

The proposal is **Recommended** for funding by the DBT for **3 years**. **Modify your budget details as per given below table:**

Sr. No.	Heads	(Amount in Lakhs)			
		1 Year	2 Year	3 Year	Total
1	Equipment	2	0	0	2
2	Technical Assistant (1 No., Rs 20,000 + HRA)*	2.592	2.592	2.592	7.776

W. J. D. D.
Principal
LTK College, Azad
North Lakhimpur

	worker (1) (Rs20,000 + HRA)*				
4	Consumables	1.5	1	1	3.5
5	Travel	0.5	0.5	0.5	1.5
6	Training/Workshop/ Outreach/ Awareness/ Popular lecture	2	2	2	6
7	Contingency	0.5	0.5	0.5	1.5
8	Overhead	0.5	0.5	0.5	1.5
	Grand Total	12.184	9.684	9.684	31.552

***Change HRA as per the existing Gol norms for cities**

3. The project proposal based on the above observations and recommendations of the HRD Committee should be submitted to DBT at the Email ID hrd.nerbpmc@dbt.nic.in and yogendra.nerbpmc@dbt.nic.in by **18/04/2022** for its further consideration. Along with project proposal please submit following documents (**Please do not forget any documents**):

- a. Checklist of the proposal (format attached): **Please note the amount mentioned in the checklist and project proposal should be same in all respect.**
 - Please include justification of each head in the checklist.
 - Please include details of on-going project with all PIs and Co-PIs and % of time devoted in them. Must have enough time for this new project.
 - Please include details of completed project and their status. If you have submitted your documents to DBT kindly write the same.
 - Please do not write NA in any sl. No. Please clearly write Yes/Not-Required/enclosed.
 - Quotation of Equipment, Outsourcing and AMC should also be enclosed.
 - Undertaking for keeping the DBT grant in interest bearing saving bank account.
 - The Saving Bank Account Detail (as per format attached)
 - Undertaking for no UC/SE pending and PFMS implementation (Should not be PI specific. It is for the Institution for any DBT projects).
 - Undertaking for non-availability of equipment items (with Institution and PIs)
 - Undertaking of Expenditure Advance, Transfer (EAT) implemented at the institution.
 - Original copy of Declaration / Certification of the proposal with signature of all PIs and CO-PIs and Head of the institution.
 - Activity Chart for three years (Quarter Wise).

regarding mandatory implementation of the **EAT (Expenditure, Advance and Transfer) Module in Public Financial Management System (PFMS)** by project implementing agencies. It is mentioned in the said OM that no further payments will be made to the project implementing agencies until and unless the EAT module is implemented. The implementation of the EAT module by the project implementing agency is now visible in the PFMS portal and only upon verification of the same by the Pay & Accounts Office (PAO), DBT, release of grant can now being made. In absence of compliance at the Institutes end, no grant for any of the projects can be released now onwards. The EAT module compliance of your institute may be treated with utmost urgency. You are requested to kindly forward the information to the concern institutional authorities for further immediate action.

4. A one page write up addressing the observations and recommendations (Action Taken Report) made by the Committee should also be also mailed at Email ID hrd.nerbpmc@dbt.nic.in and yogendra.nerbpmc@dbt.nic.in for its further consideration.

With Kind Regards,

Dr. YogendraPrakash Singh,
Project Scientist, NER-BPMC
(North Eastern Region - Biotechnology Programme Management Cell)
Department of Biotechnology (DBT), GOI,
National Productivity Council (NPC) Building,
Ground Floor, 5-6 Institutional Area
Lodhi Road, New Delhi – 110003
NER Office Phone: 011-2466 5100
E-Mail: yogendra.nerbpmc@dbt.nic.in


Principal
L. T. K. College, Azad
North Lakshmipur

Quick reply to P P Associate HRD <hrd.nerbpmc@dbt.nic.in>



M. J. K.
Principal
L. T. K. College, Azad
North Jalmipur

Photograph in practical