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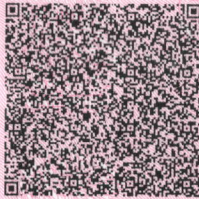
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Second Party : PRATIKSHA INSTITUTE OF PHARMACEUTICAL SCIENCES
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**MEMORANDUM OF UNDERSTANDING
BETWEEN**

**CENTRAL AGRICULTURAL UNIVERSITY, IMPHAL
AND**

PRATIKSHA INSTITUTE OF PHARMACEUTICAL SCIENCES, GUWAHATI

[Signature]
Principal

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[Signature]
Vice-Chancellor
केन्द्रीय कृषि विश्वविद्यालय
Central Agricultural University
इम्फाल, मणिपुर/Imphal, Manipur.

Memorandum of Understanding

Between

**CENTRAL AGRICULTURAL UNIVERSITY, IMPHAL
MANIPUR, INDIA**



And



**PRATIKSHA INSTITUTE OF PHARMACEUTICAL SCIENCES,
GUWAHATI**

**MEMORANDUM OF UNDERSTANDING
BETWEEN
CENTRAL AGRICULTURAL UNIVERSITY, IMPHAL
AND
PRATIKSHA INSTITUTE OF PHARMACEUTICAL SCIENCES, GUWAHATI**

BRIEF PROFILE OF CENTRAL AGRICULTURAL UNIVERSITY, IMPHAL

The Central Agricultural University, Imphal has been established by an act of Parliament, the Central Agricultural University Act, 1992 (No. 40 of 1992) and accordingly the Central Agricultural University was established on 26 January 1993 with the issue of notification by the Department of Agricultural Research and Education (DARE), Govt. of India. The University become functional with the joining of first Vice-chancellor on 13th September, 1993. The jurisdiction of the University extends to seven North-Eastern Hill States viz., Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Sikkim, Nagaland and Tripura, with headquarters at Imphal in Manipur has integrated programmes of teaching, research and extension education. The specific mandate of the university are:

1. To impact education in different branches of agriculture and allied science as it may deem fit;
2. To further the advancement of learning and conducting of research in agriculture and allied sciences;
3. To undertake extension education programme in the states under its jurisdiction and
4. To undertake such other activities, as it may deem fit, from time to time.

The mission of the University is:

- To be a centre of excellence in teaching, research and extension education in the field of agriculture and allied sectors

Accordingly, the university has been imparting undergraduate and postgraduate education in agriculture and allied fields. The university is also spearheading the location specific research initiatives in the region in the fields of agriculture, fisheries, veterinary, forestry, horticulture, agricultural engineering, food technology & home science through thirteen Colleges, six Krishi Vigyan Kendras (KVKs), six Multi Technology Testing Centres (MTTCs) and Vocational Training Centres (VTCs) located in different North-Eastern States. The University aims to develop sustainable farming systems for improving productivity and profitability in agriculture and allied sectors and also train the farmers and extension



functionaries for the effective dissemination of advanced agricultural technologies in North-East India.

The **College of Fisheries, Lembucherra, Tripura**, the main entity of the university with regards to the present Memorandum of Understanding, started functioning since 3rd October, 1998. The present campus spread over a total area of 61.36 acres and has well developed library, instructional and research farm, computer laboratory, wet laboratory, feed mill, carp and prawn hatchery, central instrument laboratory with sophisticated equipment along with allied facilities and infrastructures. The college has been imparting quality undergraduate and postgraduate education in the field of fisheries science. There are six departments in the college namely, Department of Aquatic Health and Environment, Department of Aquaculture, Department of Fisheries Extension, Economics and Statistics Department of Fish Genetics and Reproduction, Department of Fish Processing Technology & Engineering and Department of Fisheries Resource Management. A total number of 4 Doctoral Programmes (Ph.D.), 7 Postgraduate Programmes (M.F.Sc.) and 1 Undergraduate Programmes (B.F.Sc.) are offered. The graduates of this college have been performing exceedingly well in national level Junior Research Fellowship (JRF) examination conducted by Indian Council of Agricultural Research, New Delhi for admission into Post-graduate programmes and getting admitted into Post graduate programmes at Central Institute of Fisheries Education (CIFE), Mumbai in high numbers on consistent basis. A large number of alumni (41 nos.) of this college have also joined the highly competitive Agricultural Research Services (ARS) of the country besides occupying important positions in the developmental organizations. Recently, the reputation of the college as the leading R & D institute in the field of fisheries science has been enhanced by the facts that Department of Biotechnology (DBT), Govt. of India has awarded the college Centre of Excellence Project, Biotech Hub & multiple Twinning research projects. The college has steadfastly been catering to the diverse research needs of sustainable fisheries and aquaculture, and allied fields including value addition, value chain analysis, and socio-economic upliftment of farmers. The research efforts have resulted in the development and/or improvement of several technologies and packages of practices for improving yield and enhancing the farmers' income. On the other hand, the thematic framework of outreach components of the college has effectively contributed to the social empowerment, economic empowerment, multi-institutional partnership mode intervention, and policy advisory for addressing various issues of fisheries and aquaculture in the region.



BRIEF PROFILE OF PRATIKSHA INSTITUTE OF PHARMACEUTICAL SCIENCES (UNDER PRATIKSHA EDUCATIONAL TRUST):

Pratiksha Institute of Pharmaceutical Sciences (PIPS) under **Pratiksha Educational Trust** is located at a place called Panikhaiti which is just a few kilometres away from the main city of Guwahati. It is an institution approved by the Pharmacy Council of India and All India Council of Technical Education and is affiliated to Assam Science and Technology University, Guwahati, Assam for Bachelors in Pharmacy course and Srimanta Sankaradeva University of Health Sciences, Guwahati for the Diploma in Pharmacy course. It began in the year 2018 to impart quality education in the field of Pharmaceutical Sciences and has since then achieved significant success in the field of education and research. Our institute has adequate infrastructure including well furnished, state of the art laboratories and equipment which includes tablet punching machines, UV, HPLC, tablet dissolution apparatus etc. to carry out prominent research as well as industry related work. Although, established merely four years back, the faculty of the institute have managed to bag two projects, one approved by Srimanta Sankaradeva University of Health Sciences and another sanctioned by Department of Science and Technology, SERB. Our institute is committed to research work which can benefit the scientific fraternity as well as the people of the North Eastern states of India.

Memorandum of Understanding

The Memorandum of Understanding (MoU) for collaborative work between CENTRAL AGRICULTURAL UNIVERSITY, IMPHAL established by an act of Parliament, the Central Agricultural University Act, 1992 (No. 40 of 1992) having its registered office in Imphal – 795004, Manipur.

AND

PRATIKSHA INSTITUTE OF PHARMACEUTICAL SCIENCES (under Pratiksha Educational Trust), Guwahati-781026, Assam

AND whereas parties to this MOU, have agreed to co-operate with each other to associate jointly and work towards academic and research programmes in area of Fisheries, Aquaculture, Pharmaceuticals etc. for socio-economic and healthcare development.

Now, therefore, in consideration of the premises and mutual promises and of the undertaking contained herein, it is hereby agreed as follows:



1. The purpose of MOU

The CAU (I) is gearing itself to meet challenges of sustainable agriculture, fisheries and aquaculture and to enrich the academic values and theoretical as well as research components of the curriculum. The vision is to have well-defined outreach activities for students to participate in socio-economic development and creating awareness towards emerging areas of fisheries. The purpose of the MOU is to work on a multi-disciplinary collaborative venture wherein the advances in pharmaceutical sciences can be applied in field of dried and fermented fish technologies to facilitate high quality research.

Vice-Chancellor, Central Agricultural University, Imphal and Principal of Pratiksha Institute of Pharmaceutical Sciences, Guwahati agree to co-operate with each other for the purpose of joint participation in programmes pertaining to the research projects. In the event to jointly execute the contract the broad interfaces and scope of work of each party is set forth below:

- Collaboration and execution of joint research under DST-SERB project entitled "Antipyretic, antimalarial evaluation and formulation development studies of dried fish extracts and fermented fish preparations belonging to the *Punitus* species".
- Sharing of infrastructure and facilities
- Mentoring, Guideship and Co-Guideship
- Sharing credit on development of any new technology or activity.
- Exchange of scientific and technological information, etc.

2. The parties, hereto, represent that:

They are in possession of all approvals and valid authorization for the purpose of execution of this MOU.

That each of the parties of the collaboration venture (CV), agrees and undertake to place at the disposal of the CV, benefits of its students and staff education and research experience, technical knowledge and skill and shall in all respects bear its share of the responsibility, including the provision of information advice and other assistance required in connection with the works. The participation of the partners in the CV shall broadly be as follows:

I. Teaching/Learning

- a) The CAU (I) and PIPS shall encourage PG and PhD students and teachers in the field of Fisheries, Aquaculture, Pharmaceutical Education and Research and facilitate the related programmes to create skilled human resources.

MoU: CAU (I) and PIPS



- b) i. Laboratory facilities may be provided to students of CAU in mutually agreed areas of research at PIPS and Vice-versa. The students may have to pay the stipulated fee for utilizing the facilities from their contingency.
- ii. Farm facilities at CAU (I) may be provided to students of PIPS in agreed areas of research/training and vice-versa.
- iii. Library facilities may be mutually extended to students and faculties
- c) The publication and IPR issues will be shared jointly based on mutually agreed terms and conditions.

II. Research

The research projects and research programmes will be facilitated with collaborative approach by way of actually agreed upon conditions by both the parties. Joint research project proposals may be submitted to funding agencies in the identified thrust areas.

- a) With respect to the approved DST-SERB project the PI would be from PIPS while the Co-PI would be from COF, CAU (I) as agreed previously. The material which would be collected from COF,CAU (I) would be paid for as per mutual agreement.
- b) Design of conventional formulations such as tablets, capsules, suspensions, emulsions, syrups, elixirs etc. and novel drug formulations such as microspheres, micro-balloons, liposomes etc. can be carried out at our institute.

III. Training and Extension


CAU (I) will organize demand-driven training programmes for students with the help of expertise available in both the institutes. Training fee is to be charged as per CAU (I) guidelines and vice-versa.

3. Operational head

That Vice-Chancellor, Central Agricultural University, Imphal and Principal, PIPS, Guwahati shall be the heads who shall be monitoring the compliance of interest of MoU through the Dean, College of Fisheries and PI of the DST-SERB Project respectively.

4. The parties to this MOU undertake:

- a) That Vice-Chancellor of CAU (I) and Principal, PIPS will be jointly responsible for working out operational details of the MOU between the two organizations and ensure the proper and effective implementation of the MOU through the operational heads.



- b) Both CAU (I) and PIPS may add, modify, amend or delete any part of this agreement by mutual consent and understanding of the signing authorities.

5. Duration of MOU

The agreement will be in effect for a period of five (5) years from the academic years 2021-22 to 2026-27 including the duration of 18 months which has been allotted by DST-SERB project for completion of the project after which it may be reviewed for possible extension. Either party may terminate the agreement by written notification signed by the appropriate official of the institution initiating in the notice. Effective termination date of such notice shall be thirty (30) days of receipt of letter.

6. Settlement of Disputes

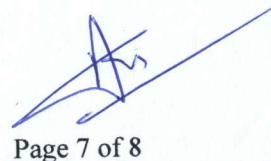
In the event of disputes arising from this MOU, the Parties to the MOU undertake to endeavour to settle the said disputes amongst them amicably. However, if the parties fail to resolve the disputes amongst them amicably, the said disputes arising out of or in connection with the present MOU shall be resolved through the two arbitrators one each to be appointed by the Vice Chancellor, CAU (I) and Principal, PIPS as per the provisions enshrined under the Arbitration and Conciliation Act, 1996 and amendments thereof. The decision of such arbitrators shall be final binding on both the parties.

7. COORDINATION OF AGREED ACTIVITIES

In order to carry out and fulfil the aims of this MoU, the following contact persons will be responsible for managing the development and conduct of any activities upon which the parties agree.


This MoU is prepared in two identical copies. Each party holds one original copy duly signed by the Vice Chancellor of CAU (I) and Principal of PIPS.

IN WITNESS WHEREOF, the Parties hereto have executed this Memorandum of Understanding this 12th Day of January, 2023 year.



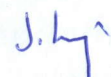
SIGNED for and on behalf of the CENTRAL AGRICULTURAL UNIVERSITY (CAU), INDIA by its authorized officer or delegate with official seal:

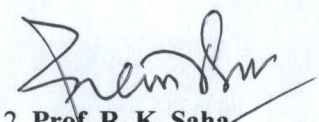
Date:
Place:


(Dr. Anupam Mishra)
Vice-Chancellor
CAU(I), India
(First Party)

कुलपति/Vice-Chancellor
केन्द्रीय कृषि विश्वविद्यालय
Central Agricultural University
Seal: इम्फाल, मणिपुर/Imphal, Manipur.

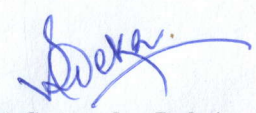
Witness:


1. Dr. S. Basanta Singh
Director (Instruction)
CAU, Imphal, India

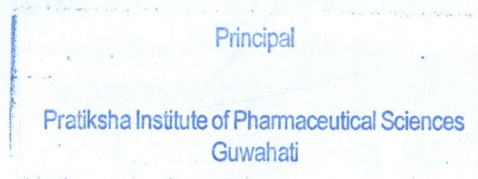

2. Prof. R. K. Saha
Dean
CoF-CAU, Tripura, India

SIGNED for and on behalf of the PRATIKSHA INSTITUTE OF PHARMACEUTICAL SCIENCES (PIPS), Assam, India by its authorized delegate with official seal:


Date:
Place:



(Prof. (Dr.) Satyendra Deka)
Principal
Pratiksha Institute of Pharmaceutical Sciences,
Guwahati, Assam
(Second Party)

Seal:



Witness:


1. (Dr. Chandrajit Dohutia)
Associate Professor
Pratiksha Institute of Pharmaceutical Sciences,
Guwahati, Assam


2. (Mr. Ananta Saikia)
Assistant Professor
Pratiksha Institute of Pharmaceutical Sciences,
Guwahati, Assam