

अरुणाचल प्रदेश ARUNACHAL PRADESH

695338

MEMORANDUM OF UNDERSTANDING

BETWEEN

ICAR- CENTRAL INLAND FISHERIES RESEARCH INSTITUTE, BARRACKPORE  
(A UNIT OF INDIAN COUNCIL OF AGRICULTURAL RESEARCH, NEW DELHI)

AND

HIMALAYAN UNIVERSITY, JOLLANG, ITANAGAR

This Memorandum of understanding is made on this day of the month of July in the year 2023 by and between the ICAR-Central Inland Fisheries Research Institute, (ICAR-CIFRI) having its head office Barrackpore, Kolkata-700120, West Bengal in the ONE PART and Himalayan University, Jollang, Itanagar, Arunachal Pradesh on the OTHER PART.

In accordance with the mutual consent to promote cooperation both the Institute and the university enter into a formal statement of collaboration in the form of Memorandum of Understanding (MoU) for the purpose of academic interaction as under:





## 1. Parties to the MoU

### ICAR – Central Inland Fisheries Research Institute, Barrackpore

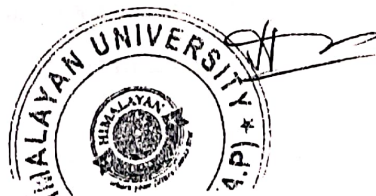
ICAR-Central Inland Fisheries Research Institute, Barrackpore under ICAR has the primary goal of research, training and extension in the field of inland fisheries encompassing lacustrine, riverine, reservoir and floodplain environments, enhanced and culture based fisheries, etc., besides conducting studies on aquatic pollution, behavior and migration of fishes and environmental impact assessment related to various development projects.

With the growing food scarcity in the country during and after the World War II, the need was felt for organizing fisheries research covering the entire country for harnessing the cultivable waters for fish production. This gave birth to Central Inland Fisheries Research Station (CIFRS) in March, 1947 at old Mint House, Strand Road, Calcutta. The present institution at Barrackpore, the oldest cantonment of India was formally declared open by Dr. B.C. Roy, the then Hon'ble Chief Minister of West Bengal on June, 17 in 1959. The administrative control of the CIFRI was transferred from the Ministry of Food and Agriculture, Government of India to the Indian Council of Agricultural Research with effect from October 1, 1967. The research programme of the Institute was thoroughly re-oriented and was redrawn into priority laid and problem oriented projects during 1967.

The Institute has scientific cadre strength of 85 scientists working in interdisciplinary mode in 3 full-fledged Divisions and two sections. In addition, the Institute has 4 Regional Centres and two stations. The mandate of the Institute as approved by the ICAR is as follows:

- a. Basic and strategic research for sustainable management of inland open water resources
- b. Develop protocols for productivity enhancement in reservoirs and wetlands and aquatic ecosystems health management
- c. Act as repository of information on inland open water fisheries resources
- d. Human resource development through training, education and extension

ICAR-CIFRI, Barrackpore is center of excellence for research and innovation in field of inland fisheries. This organization has a proven record for advancing researches in field of fisheries science including riverine fisheries, fish breeding, population dynamics, climate change, health of aquatic ecosystems like river, wetland, reservoirs, lakes, tanks etc. on vital issues and other focused area covered under broader domains of advanced fish biology, bio informatics,



molecular biology, disease diagnosis, econometrics and modeling beside this institute has expertise in enclosure culture and culture based fisheries.

In order to encourage and facilitate best quality research, education and extension in inland open fisheries research and natural resource management in the country, ICAR - CIFRI, Barrackpore is keen to share its world class resources and collaborate with the universities/organizations in this endeavor as per ICAR rules and guidelines.

### **Himalayan University (HU) Jollang**

Himalayan University (HU) is a Statutory University established by the Government of Arunachal Pradesh vide Act 06 of 2013 and recognised by the UGC, Ministry of Education, Government of India, New Delhi n/s 2 (f) UGC Act, 1956 as state private University. Himalayan University is empowered to award degree specified by the University Grants commission (UGC) under section 22 of the UGC Act, 1956. Himalayan University is a member of the Association of Indian Universities (AIU), New Delhi and is also approved the University Grants Commission (UGC) and other regulatory bodies such as Bar Council of India (BCI), Pharmacy council of India (PCI), Rehabilitation Council of India (RCI), Arunachal Pradesh Nursing Council (APNC), etc.

Himalayan University (HU) with 3000 plus students on-campus. It is the first state private university to introduce the 5 years integrated programme in law (B.A.LL.B.) and special education courses in the entire north-eastern region. It is also the first private university to establish collaboration with foreign universities and reputed National Institutes.

### **Objectives:**

#### **The university aims**

- a. To prepare the students for research & development, the university has put in place an Inter-Disciplinary Development Center which focuses mainly on giving training to the students and enhancing their skills to make them employable in R&D and industries.
- b. To establish collaborations with various National level Research Labs and Universities for utilizing their infrastructural facilities for experimentation and exchange of academic information.
- c. To introduce programs of teaching and extension work in fields of science & technology, agriculture and skill development programs to uplift socio-economic status of the society.





- d. To find opportunities for bringing together formal and informal learning with practical experience in these fields on the same platform.
- e. To impart training to the students on life skills is a part of the university's curriculum. Life Skills mean "abilities for adaptive and positive behavior that enable individuals to deal effectively with the demands and challenges of everyday life" according to the WHO narration.
- f. To be acknowledged as a value-based educational institution where the faculty, students and the staff are creative and actively engaged in scholarly activities of relevance to the community at large.

#### 1. Terms of agreement for

##### **ICAR - Central Inland Fisheries Research Institute, Barrackpore (ICAR Institute)**

- (i) That students of two year M.Sc. (Life Sciences) course in Zoology, Biotechnology, Biochemistry, Microbiology, M.Sc. (Environmental Sciences), M.Sc. (Chemistry), and Ph.D. students registered with the Himalayan University will be allowed to carry out research work pertaining to inland fisheries, ecosystem health, environmental science and related aspects at ICAR-CIFRI, Barrackpore as per the requirements and approved plan of work.
- (ii) That the students of graduation and post-graduation Courses registered with the Himalayan University will be allowed to undergo training programme of specified duration with approval of both institution and on payment of nominal charges as per ICAR guidelines.
- (iii) That the number of such students will be based on ICAR-CIFRI research agenda and availability of ICAR-CIFRI scientist's time to guide the students.
- (iv) That the approved ICAR-CIFRI scientist will provide the research supervision at the ICAR-CIFRI, Barrackpore. However the course requirements for M.Sc./Ph.D. programme may be completed at Himalayan University (HU) itself.
- (v) That the ICAR-CIFRI, Barrackpore will also facilitate mutually agreed Ph.D research/thesis work at the Institute and may also provide field and laboratory facilities on request basis and payment of fees prescribed for such facilities.



- (vi) That the periodic training (summer or winter) as required for the fulfillment of course work under different programs of the University may be carried out at the Institute at charges fixed by the Institute from time to time.
- (vii) That the research work undertaken under this MoU will be reviewed as per the research review system followed at ICAR-CIFRI, Barrackpore.

**Himalayan University (HU) Jollang**

- (i) That the University shall recognize the ICAR Institute (ICAR-CIFRI, Barrackpore) and specific disciplines/divisions/departments as Centres for conducting research work for the award of post graduate/ Doctoral degrees.
- (ii) That the scientists/officers of the ICAR-CIFRI, Barrackpore on their individual merit and in accordance with the ICAR/UGC and University rules and regulations shall be recognized as co-supervisors/co-guides/external supervisors for guiding research.
- (iii) That the Scientists and the Research Fellows at the ICAR shall be allowed to register for Doctoral programs run by the University. The scientists of the ICAR-CIFRI, Barrackpore may be incorporated in the Departmental Research Committee (DRC) as an expert in the relevant subject/field.
- (iv) That the University may invite ICAR-CIFRI Scientists/Experts as visiting faculty members to deliver lectures as per requirement of the University in various courses. However, TA and DA may be borne by University. Suitable honorarium may also be given to concerned scientist as per University rules.

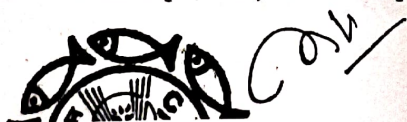
**Both Institute & the University**

- (i) That the ICAR-CIFRI scientist recognized by the Himalayan University and the research scholars who would work at ICAR - CIFRI for PG/thesis research shall be governed by relevant rules and regulations of both ICAR and MAU, respectively.
- (ii) That the research project to be undertaken by the student shall be decided through mutual consultation among the student, university and ICAR-CIFRI, Barrackpore.
- (iii) That the periodical meetings of the students with supervisors will be held either at the premises of ICAR Institute or University.





- (iv) That a copy of thesis shall be deposited at both the university and ICAR-CIFRI, Barrackpore after the award of the degree. The contribution of ICAR-CIFRI, Barrackpore must be duly recognized in the manuscripts of the theses.
- (v) That it is agreed that all outcomes of the ICAR-CIFRI, Barrackpore/Himalayan University, Jollang pertaining to joint research activities, including all intellectual property rights (IPR), shall be jointly owned by both the parties. As such, they shall remain publicly accessible and shall be available to both the ICAR-CIFRI, Barrackpore and Himalayan University.
- (vi) That the result/Benefits/IPRs from collaborative research such as improved technology, material, machinery, process, designs and techniques, accruing or arising from this effort may be used by either or both the parties with due recognition of each party's contribution.
- (vii) That, the research findings as a result of this collaborative work will be published in the public interest after mutual agreement of both the parties. Any publication(s) resulting from the post graduate research work must be processed jointly by the scientists/supervisor at ICAR-CIFRI, Barrackpore and the faculty at Himalayan University and explicitly recognize that work has been done at ICAR - CIFRI, Barrackpore and Himalayan University, Jollang. The norms already existing for publishing student's research at Himalayan University and that at ICAR-CIFRI, Barrackpore shall be followed. Research findings published by either party will give due credit to other party's contribution, but the publishing party shall be entirely responsible for conclusions and interpretations reported.
- (viii) That the Vice-Chancellor of the Himalayan University and the Director, ICAR-CIFRI, Barrackpore will be jointly responsible for working out the operational details of the agreement between the two organizations and ensure proper and effective implementation of the MoU. During the study period at both the Institutes, the highest authority of the University/Institute will be the Controlling authority and candidate shall be bound to get permission to leave the place of work from the Controlling authority.
- (ix) That the Himalayan University and the ICAR-CIFRI, Barrackpore may invite each other faculty members on special occasions (Seminars/Conferences/Workshops, etc.) to develop strong linkages.



## 2. Effective Time Period


This agreement will be in-effect from the date of signing this MoU by both the parties for five years and renewed further if mutually agreed. However, either party may terminate the agreement by written notification signed by the appropriate official of the institution initiating the notice. Such notice must be received by the other party six months prior to the effective termination date. However, obligations and commitments already contracted shall be honored and continued by both the parties until such commitments are over. These commitments under agreement may be amended/modified/ deleted after mutual agreement by means of exchange of letters between the Institute and the University. Once approved by both the parties, such amendment shall also become a part of this Memorandum of Understanding (MoU).

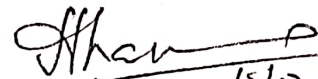
3. IN WITNESS HEREOF, the Parties, through their duly authorized representatives, hereby agree to the provisions of this Memorandum of Understanding drawn up in two originals.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

Signed on behalf of First party

Singed on behalf of Second Party


  
Director 16/7/2023  
ICAR- Central Inland Fisheries Research Institute  
(ICAR-CIFRI)  
Barrackpore


  
Vice-Chancellor 16/7/2023  
Himalayan University (HU)  
Jollang

Countersigned

  
निदेशक/Director  
आ.क.अनु.प.-केन्द्रीय अंतस्थलीय मात्स्यिकी अनुसंधान संस्थान  
ICAR-Central Inland Fisheries Research Institute  
बैरकपुर कोलकाता-700120  
Barrackpore, Kolkata-700120

Witness - 1 श्रीकांत एम.ए.  
SRIKANTA SAMANTA  
HOD, FRAIDIN

Witness - 1   
< Jyendra Singh, Manager, Gen Admin >

Witness - 2   
GANESH CHANDRA  
IC JTMU

Witness - 2   
Kido Bagra