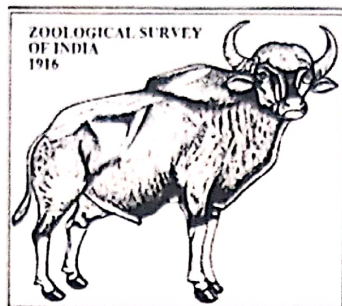


MEMORANDUM OF UNDERSTANDING

Between

ZOOLOGICAL SURVEY OF INDIA, KOLKATA



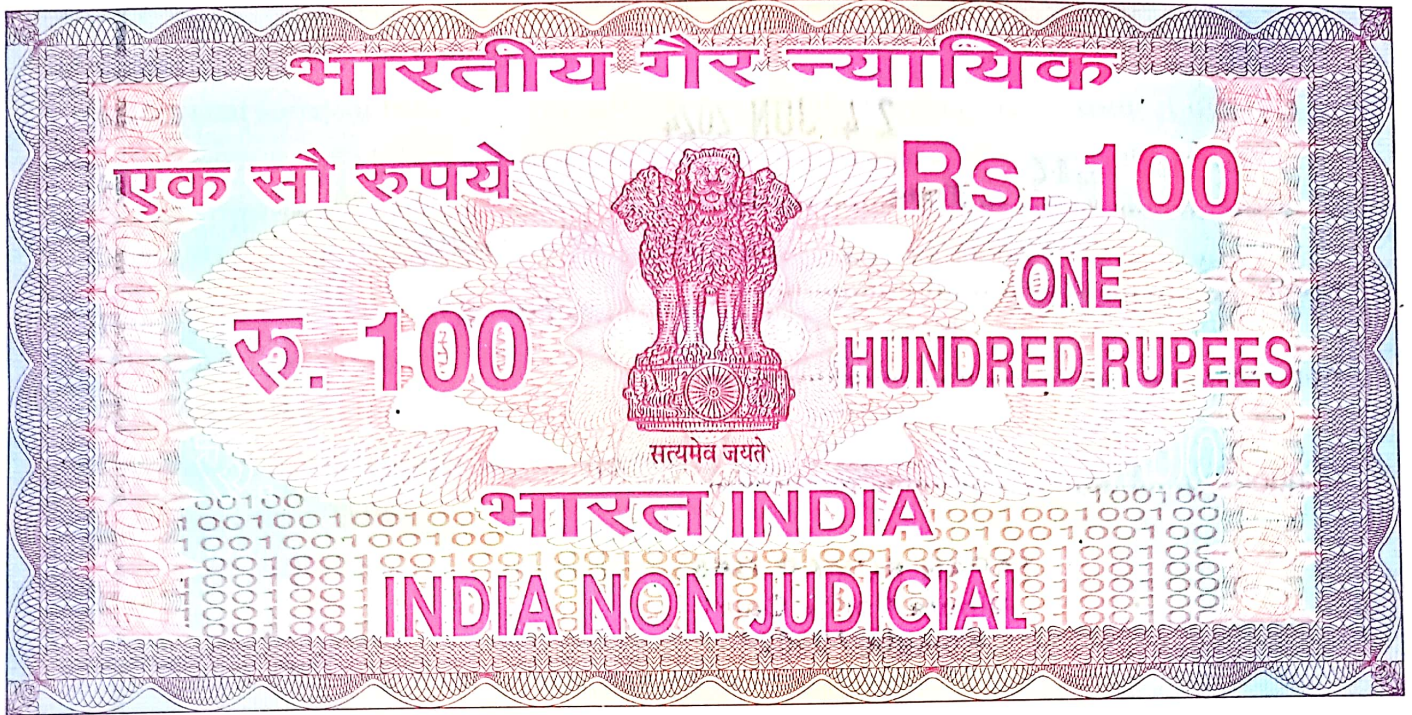
And

HIMALAYAN UNIVERSITY, ARUNACHAL PRADESH



For

SCIENTIFIC AND ACADEMIC COOPERATION



अभिचयवङ्ग पश्चिम बङ्गाल WEST BENGAL

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MEMORANDUM OF UNDERSTANDING

Between

Zoological Survey of India (ZSI), Kolkata

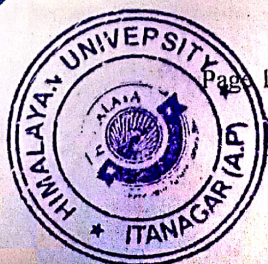
AND

Himalayan University, Itanagar-Arunachal Pradesh

This Memorandum of understanding is made on this day of the month of June in the year 2024 by and between the Zoological Survey of India (ZSI) having its head office at Prani Vigyan Bhawan, M-Block, New Alipore, Kolkata – 700053, 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 & research interaction as under:

V. N. Upadhyay



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[Signature]

1. Parties to the MoU:

Zoological Survey of India, Kolkata

The Zoological Survey of India (ZSI) was established on 1st July, 1916 to promote survey, exploration and research leading to the advancement in our knowledge of various aspects of exceptionally rich life of the erstwhile 'British Indian Empire'. The survey has its genesis in the establishment of the Zoological Section of the Indian Museum at Calcutta in 1875. By gradually strengthening its staff and expanding its research programme, the Survey has met the challenge of the past and is on its way to meet the demands of the future. It has maintained its primary objectives unchanged from its inception.

Primary Objectives:

- Exploration, Survey, Inventorying and Monitoring of faunal diversity in various States, Ecosystems and Protected areas of India.
- Taxonomic studies of all faunal components collected.
- Periodic review of the Status of Threatened and Endemic species.
- Preparation of Red Data Book, Fauna of India and Fauna of States.
- Bioecological studies on selected important communities/species.
- Preparation of databases for the recorded species of the country.
- Maintenance & Development of National Zoological Collections.
- Training, Capacity Building and Human Resource Development.
- Faunal Identification, Advisory services and Library Services.
- Publication of results including Fauna of India and Fauna of States.

Secondary Objectives:

- Environmental Impact Studies.
- Maintenance and Development of Museum at Headquarters and Regional Stations.
- Development of ENVIS and CITES Centers.
- Research Fellowship, Associateship and Emeritus Scientist Programmes.
- Collaborative research programmes on Biodiversity with other Organizations.
- GIS and Remote Sensing studies for animal diversity as well as for selected threatened species.
- Chromosomal Mapping and DNA finger printing.

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

V. N. Pandey



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[Signature]

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. Himalayan University has already signed Memorandum of Understanding with some of the reputed institutes of the country including ICAR- Central and Fisheries Research Institute, Barrackpore (A Unit of Indian Council of Agricultural Research, New Delhi).

The Department of Zoology at Himalayan University was established in the year 2015. Every academic year, the Department of Zoology arranges co-curricular events in association with various government and non-government organisations to extend learning outside the classroom. These activities include seminars, awareness programmes, and guest lectures. The department runs UG, PG & Ph.D. courses and the primary objective is to provide quality education & research in Zoology and its applied branches and to conduct field studies and various initiatives of local and global significance.

Objectives:

The University Aims:

- a. To prepare the students for research & development, the university has put in place an Inter-Disciplinary Development Centre 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 behaviour 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.

V.N. Ghosh



Page 3 of 6

Dr. Jayleen

1. Terms of agreement for

Zoological Survey of India, Kolkata

- (i) That the students of M.Sc. (Life-Sciences) courses in Zoology, Biotechnology, Biochemistry, Microbiology, M.Sc. (Environmental Sciences) and Ph.D. students registered with the Himalayan University will be allowed to carry out research work pertaining to Zoology & its applied branches including ecosystem health, environmental science and related aspects at ZSI 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 programmes of specified duration with approval of both institutions.
- (iii) That the intake number of such students will be based on Research agenda of ZSI and subject to availability of scientists from ZSI to guide the students.
- (iv) That the approved ZSI scientist will provide the research supervision at the ZSI institutes. However, the course requirements for M.Sc./Ph.D. programme may be completed at Himalayan University (HU) itself.
- (v) That the ZSI will also facilitate mutually agreed Ph.D. research/thesis work at the Institute and may also provide field and laboratory facilities on request.
- (vi) That the periodic training (summer or winter) as required for the fulfilment of course work under different programs of the University may be carried out at the Institute at charges fixed by Institute at the Institute from time to time.
- (vii) That the scientists at ZSI will provide assistance & support for the identification of animal species submitted to ZSI for various purposes of the academic curriculum including the dissertation/ Research projects of the students.
- (viii) That the research work undertaken under this MoU will be reviewed as per the research review system followed at ZSI.

Himalayan University (HU), Jollang

- (i) That the University shall recognize the Zoological Survey of India and its specific branches/disciplines/divisions/departments as Centres for conducting research work for the award of post graduate/ Doctoral degrees.
- (ii) That the scientists/officers of the ZSI on their individual merit and in accordance with the ZSI/UGC and University rules and regulations shall be recognized as co-supervisors/co-guides/external supervisors for guiding research.

V. N. B. Pally



[Signature]

- (iii) That the Scientists and the Research Fellows at the ZSI shall be allowed to register for Doctoral programs run by the University. The scientists of the ZSI may be incorporated in the Departmental Research Committee (DRC) as an expert in the relevant subject/field.
- (iv) That the University may invite ZSI 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 ZSI scientist recognized by the Himalayan University and the research scholars who would work at ZSI for PG/Ph.D. thesis research shall be governed by relevant rules and regulations of both ZSI and MAU, respectively.
- (ii) That the research projects to be undertaken by the student shall be decided through mutual consultation among the student, university and ZSI.
- (iii) That the periodical meetings of the students with supervisors will be held either at the premises of ZSI Institute or University.
- (iv) That a copy of thesis shall be deposited at both the University and ZSI after the award of the degree. The contribution of ZSI must be duly recognized in the manuscripts of the thesis.
- (v) That it is agreed that all outcomes of the ZSI/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 ZSI, and Himalayan University.
- (vi) 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 ZSI and the faculty at Himalayan University and explicitly recognize that work has been done at ZSI and Himalayan University, Jollang. The norms already existing for publishing student's research at Himalayan University and that at ZSI 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.
- (vii) That the Vice-Chancellor of the Himalayan University and the Director, ZSI 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.

V. N. S. S. S.



[Signature]

- (viii) 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.
- (ix) That the Himalayan University and the ZSI may invite each other faculty members on special occasions (Seminars/Conferences/Workshops, etc.) to develop strong linkages.

2. Effective Time Period

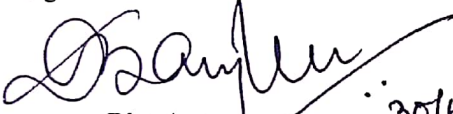
This agreement will be in-effect from the date of signing this MoU by both the parties for five years and renewed further if mutually agreed. However, either party may terminate the agreement by written notification signed by the appropriate official of the institution initiating the notice. Such notice must be received by the other party six months prior to the effective termination date. However, obligations and commitments already contracted shall be honoured 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 this Memorandum of Understanding drawn up in two originals.

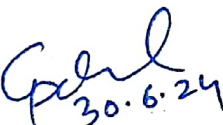
BY SIGNING BELOW, the parties, through their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

Signed on behalf of First party

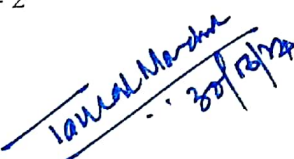

Director
Zoological Survey of India (ZSI)
New Alipore, Kolkata
30/6/2024
Dr. Shriti Banerjee
Director
Zoological Survey of India
MoEF&CC, Govt. of India
Kolkata-700053

Countersigned

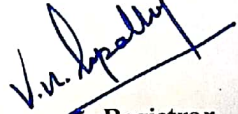
Witness -1


30.6.24
Dr. Gurupada Mandal
Head of Office
Zoological Survey of India
Kolkata-700 053

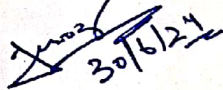
Witness - 2


30/06/24
डा. तमाल मण्डल / DR. TAMAL MONDAL
वैज्ञानिक-डी / SCIENTIST-D
भारतीय प्राणि सर्वेक्षण / ZOOLOGICAL SURVEY OF INDIA
न्यू अलपौर / NEW ALIPORE कोलकाता-७०० ०५३ / KOLKATA-700 053

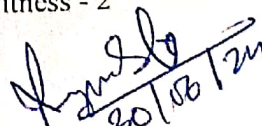
Singed on behalf of Second Party


Registrar,
Himalayan University (HU)
Jollang, Itanagar, A.P
REGISTRAR
Himalayan University
Itanagar (A.P)

Witness -1


30/6/24
Head
Department of Zoology
Himalayan University Itanagar,
Arunachal Pradesh

Witness - 2


30/06/24