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MEMORANDUM OF UNDERSTANDING

(FOR SCIENTIFIC AND EDUCATIONAL CO-OPERATION)

This Memorandum of Understanding is made on 4th December, 2024

BETWEEN

Ravenshaw University, established in 1868 in Cuttack, is one of the oldest institution of higher education in the state of Odisha – 751003, hereinafter referred as "RU") duly represented through The Registrar, Ravenshaw University, Odisha (which expression, unless repugnant and /or inconsistent to the context thereof, shall mean and include his successors in office and assigns) for **THE ONE PART**.

AND

The President of India, in exercise of the power vested upon him under article 299 of constitution of India, duly represented on his behalf through The Director, **Botanical Survey of India** (BSI) Kolkata having its head office at CGO Complex, 3rd MSO Building DF Block, Sector -1, Salt Lake City, Kolkata -700064, hereinafter identified and referred as "BSI" (which expression, unless repugnant and I or inconsistent to the context thereof shall mean and include his successor in office and assigns) for **THE OTHER PART**.

Chokona Chakrabarti

BSI

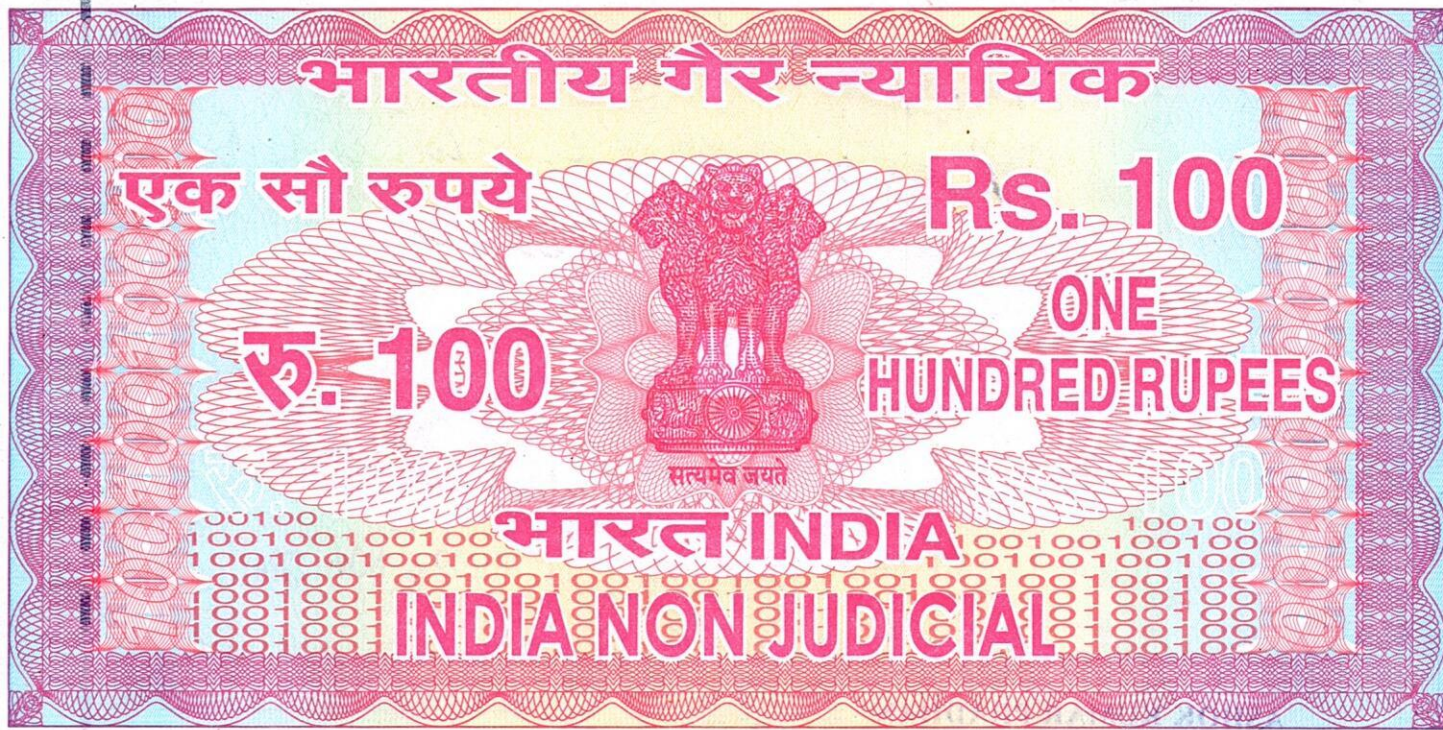
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ASHOK KUMAR PRADHAN
STAMP VENDOR
Income Tax Bar Association
Arunodaya Market, Cuttack


28 NOV 2024
Treasury Officer,
Cuttack

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Whereas

Ravenshaw University (RU) and Botanical Survey of India (BSI), Ministry of Environment, Forest and Climate Change, Government of India have agreed that for encouragement and development of cooperation and exchange in areas of mutual academic interest, it is desirable to enhance research and educational processes at both the university/ institution and to strengthen mutual understanding between their respective staff, research scholars and students and also to seek mutual support in planning and executing programs promoting excellence in respective areas of research and education, the 'Botanical Survey of India (BSI) and Ravenshaw University do hereby enter into this memorandum of Understanding for academic, educational, research cooperation and have set forth the following Articles on Mutual Agreement.

Article 1: Rational

The Ravenshaw University came into existence as a state university 2006 in Cuttack, Odisha is also one of the oldest institutions of higher education in India. It was founded in 1868 as Cuttack College with intermediate level (F. A.) classes at the Cuttack Zilla (district) School (now Ravenshaw Collegiate School). It was rechristened as Ravenshaw College as a tribute to T. E. Ravenshaw, who was the Commissioner of Cuttack Division and had played a key role in its creation. The University has UG and PG Teaching and Research programmes in various disciplines of Humanities and Social Sciences, Languages, Commerce and Management, Natural Sciences and Information and technology. The university has been accredited A++ by NAAC in 2023.

Ravenshaw University

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ASHOK KUMAR PRADHAN
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Income Tax Bar Association
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28 NOV 2024

Treasury Officer,
Cuttack

Whereas Botanical Survey of India (BSI) is the apex research organization under the Ministry of Environment, Forests and Climate Change (MoEF & CC), Government of India, New Delhi and is dedicated to undertake floristic and taxonomic studies on all plant groups (including algae and fungi), and conservation of the wild plant resources of the country through effective ex-situ and in situ conservation strategies. BSI with its headquarters at Kolkata, has a country-wide presence having 21 regional centres/units/botanic gardens spread throughout the country. The organization is headed by the Director and the regional centres/ units are headed by the respective Heads of Office. The overall administration, research and management activities of the entire organization are controlled and monitored by the Directorate. The goals of BSI are (i) The inventory of plant, fungal and algal diversity of the country is complete by undertaking extensive floristic survey, (ii) The taxonomy and phylogeny of Indian flora are understood utilizing morphological, biochemical and molecular markers, (III) Morphological and biochemical traits of plant resources are analyzed for realizing their economic potential, (iv) Ex situ conservation measures for threatened plants are taken up including development of regeneration protocols through seeds, in vitro culture, and cryopreservation, (v) Documentation and dissemination of information by publishing flora, facsimiles, and brochures and (vi) Development of web resources including virtual herbarium and e-flora.

The above goals of BSI have also direct relevance to the following goals of the ministry, *i.e.* 'Conservation of the country's natural resources including its lakes and rivers, its biodiversity, forests and wildlife and the prevention and abatement of pollution'

Article 2: Preamble

Botanical Survey of India, Kolkata and Ravenshaw University have realized the need for a close linkage between the National Scientific Institutes and the Universities in terms of research and academic activities for encouragement and development of cooperation and exchange in areas of mutual academic interest, it is desirable to enhance research and educational processes at both the universities/ institutions and to strengthen mutual understanding between their respective staff, research scholars and students and also to seek mutual support in planning and executing programs promoting excellence in respective areas of research and education. In compliance to this idea, both have decided to sign this Memorandum of Understanding (MOU) as per the following terms and conditions:

NOW THIS INDENTURE WITNESSETH AS FOLLOWS: -

Article 3: General

- Botanical Survey of India (BSI) including all its Regional Centres shall be a recognized Research Centres (Sister Institutes) for undertaking Doctoral and Post-Doctoral Programme by the Ravenshaw University.

- Scientists of Botanical Survey of India (BSI) including all its Regional Centres, units and Headquarters all over the country may participate in the teaching program in the Area of Plant Biosystematics, Botany, Ethnobotany, Plant Chemistry, Microbiology, Pharmacognosy, Forestry, Cryptogamic, Environmental Sciences, etc. of Ravenshaw University on request and subject to mutual conveniences of both the parties.
- The Ravenshaw University and Botanical Survey of India agree on their academic and educational needs like, exchange of Scholars and Scientific staff, exchange of Students, exchange of academic information and materials subjected to the provisions under the Biodiversity Act (2002) and or any other legal bindings by the Govt. of India.
- Botanical Survey of India (BSI), Scientists along with faculty members of various Departments of Ravenshaw University will work towards joint research projects thereby mutually using leading research facilities developed at Botanical Survey of India (BSI), and Ravenshaw University.
- The bonafide students and research scholars of both the organizations will have access to research facilities at Ravenshaw University and Botanical Survey of India during their course of work and research period for conducting field based or laboratory-based research.
- Ravenshaw University will recognize and accept Scientists Botanical Survey of India as **Independent Supervisor for Ph.D. degree programme** of Ravenshaw University. One faculty member of the concerned Department (if required) shall be Co-Supervisor with the student of Botanical Survey of India (BSI) registered with Ravenshaw University.
- The slots allotted to each of the Scientists of Botanical Survey of India will be regulated as Scientists B & C, (equivalent to Assistant Professor), Scientists D & E (equivalent to Associate Professor) and Scientists F & G (Equivalent to Professor).
- Departmental Research Committee (DRC), Ravenshaw University will give consent for Supervisor/Co-supervisor at Ravenshaw University for the students as applicable.
- The faculty and students of the various departments of Ravenshaw University shall be allowed to avail the library facilities of Botanical Survey of India (BSI), with the prior permission of the Director /Library-in-charge, BSI. The Scientists and Ph.D. scholars of Botanical Survey of India (BSI), shall vice versa be given the library facilities at Ravenshaw University with prior permission of the competent authority concerned.
- The implementation of each exchange programme or joint project on this agreement shall be negotiated on a case to case basis and agreed upon in writing by both institutions.

Article 4: Area and Scope of Co-operation (Academic and Development Programmes):

- Ravenshaw University will recognize BSI as an accredited Centre for supervising, guiding and pursuing research, leading to Ph.D. degree in the field of Botany (Lower and higher groups of plants). BSI will conduct Ph.D. course work in its respective regional centre as prescribed by the Ravenshaw University. Their attendance will be recorded in the concerned Regional Centre as well as well as Headquarters of BSI as is the current practice and the Students / researchers have to produce one certificate to this effect to the University authorities issued from the respective regional offices of BSI. However, the evaluation of the course work shall be in accordance with the notification issued by Ravenshaw University.
- For the mutual benefit of the two institutions *i.e.* Botanical survey of India (BSI), and Ravenshaw University, there will be an exchange of Scientists of BSI and faculty members of the above mentioned Departments of Ravenshaw University on mutual convenient as and when required for research or academic work. Botanical Survey of India and Ravenshaw University scientists/faculty members will help each other in preparing the research programs.
- While registering the students of Botanical Survey of India (BSI) for the Ph. D. degree in Ravenshaw University, the ordinance relevant, related to Ph.D. degree of Ravenshaw University will be applicable. The students/researchers of Botanical Survey of India (BSI) shall be required to qualify the entrance examination for registration of Ph.D. as per the norms relevant of Ravenshaw University. The Registered students shall be guided by the Ravenshaw University Ph.D. Guidelines as published from time to time. A student shall mention both the institutions (BSI and RU) as his affiliation in all his publications and patents coming out of his Ph. D. thesis.
- Botanical Survey of India (BSI) and Ravenshaw University will work closely to generate appropriately trained manpower in the related areas through mutual organization of formal academic curricula, symposia, short term training courses, etc.
- Honorarium, TA/DA, etc. if applicable, can be provided to the faculty members/Scientists/technical staff of Ravenshaw University and Botanical Survey of India (BSI), as per rule.
- This MoU does not imply any financial obligations or legal binding on either of the parties.

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Article 5: Dispute Resolution Jurisdiction and Choice of Law:

- In the event of any dispute/s that may arise in connection with this MoU, the same shall be mutually settled by the Vice Chancellor, Ravenshaw University and the Director, Botanical Survey of India, Kolkata and if could not be settled by that, both the Vice Chancellor, Ravenshaw University and the Director, Botanical Survey of India, Kolkata shall appoint an arbitrator on mutual consent and the dispute to be solved by arbitration and such process of arbitration shall be guided by the provision of the **Arbitration and Conciliation Act**

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- Botanical Survey of India (BSI) would have a liberty to refer, on certain policy related issues for the advice of the Ministry of Environment & Forest and Climate Change, Govt. of India, New Delhi and similarly the Ravenshaw University would seek the advice of its competent authority or the State Government, if required to bring a consensus of both the parties.

Article 6: Validity of MoU

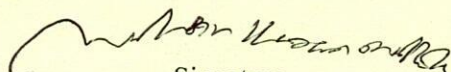
- This MoU shall be valid for a period of **10 years** (120 months) from the date of signing and execution of this Memorandum of Agreement. The duration may be extended with the consent of both the parties under mutually agreed terms and conditions.
- It is further agreed that the Vice-Chancellor, Ravenshaw University and Director, Botanical Survey of India (BSI), through periodic meetings will monitor the progress of this MoU. Any change/ modification/termination as introduced/ suggested by the Review Committee (comprising of Vice-Chancellor, Ravenshaw University and the Director, Botanical Survey of India (BSI) or their respective representatives, will be binding on both the organizations, but cannot be terminated unilaterally by either of the organization.


SEAL OF PARTIES

IN WITNESS WHERE OF the parties hereto have signed sealed and delivered this Memorandum of Understanding (MoU) on as mentioned hereinbefore, in the presence of

For and on behalf of

For and on behalf of the President of India


Signature


Signature

Registrar
Vice-Chancellor
Ravenshaw University
Cuttack, Odisha

Director
Botanical Survey of India
Kolkata, West Bengal

निदेशक / Director
भारतीय वनस्पति सर्वेक्षण
Botanical Survey of India
भारत सरकार / Govt. of India
तृतीय एम. एस. ओ. भवन
3rd MSO Building
सी.जी.ओ. कॉम्प्लेक्स, साल्ट लेक सिटी
Kolkata-700064

SIGNED SEALED AND DELIVERED
BY THE FIRST PARTY
AT CUTTACK, ODISHA
In the presence of

SIGNED SEALED AND DELIVERED
BY THE SECOND PARTY
AT BSI, KOLKATA, ODISHA
In the presence of

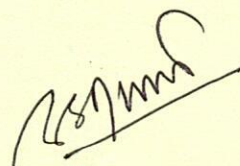
Witness :

Witness :



Signature
Name: DR NIHAR PANSAN SINGH
Designation:
Institute: Ravenshaw University

Head
Deptt. of Botany
Ravenshaw University
Cuttack-753003



Signature
Name: Dr Sudhansu Sekhar Dash
Designation: Scientist F
Institute: Botanical Survey of India

Dr. S. S. Dash
प्रभारी वैज्ञानिक - एफ / Scientist - F, Incharge
तकनीकी अनुभाग / Technical Section
भारतीय वनस्पति सर्वेक्षण / Botanical Survey of India
सी.जी.ओ. कॉम्प्लेक्स, साल्ट लेक सिटी / CGO Complex, Salt Lake City
कोलकाता-700 064 / Kolkata-700 064