

पश्चिमवङ्ग पश्चिम बंगाल WEST BENGAL

AM 498488

MEMORANDUM OF UNDERSTANDING

(FOR ACADEMIC AND RESEARCH CO-OPERATION)

This Memorandum of Understanding herein after referred to as (MoU) is executed on the  
7<sup>th</sup> day of May (Month), Two Thousand Twenty Five (2025) A.D.

BETWEEN

Counter Insurgency and Jungle Warfare School under the Army Training Command on behalf of Integrated Headquarters of Ministry of Defence (Army), having its office at Vairengte, Mizoram – 796101, hereinafter identified and referred as "Army (Counter Insurgency and Jungle Warfare School)", duly represented through Commandant, Counter Insurgency and Jungle Warfare School (which expression, unless repugnant and / or inconsistent to the context thereof, shall mean and include his successors in office and assigns) for **THE FIRST PARTY**.

571 তার 06 MAY 2025

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BSI  
CGO complex  
Gen-I, 82  
107-64

ক্রেতার নাম ও ঠিকানা  
স্ট্যান্ড ভেঞ্চার লিমিটেড  
বিধান নং: সলিসিটর জেনারেলের কার্যালয়  
মোট স্ট্যান্ড কয় টা: ১  
চালান নং: মোট কয় টা: ১  
ক্রী-বাবাকপুর, ডেভেলপমেন্ট অফিস

07 APR 2025

668000

**AND**

The Director, Botanical Survey of India (BSI) Kolkata having its head office at Central Government Office (CGO) Complex, 3<sup>rd</sup> Multi Storeyed Office (MSO) Building, DF Block, Sector-1, Salt Lake City, Kolkata- 700064, here in after identified and referred as "BSI" (which expression, unless repugnant and/ or inconsistent to the context there of shall mean and include his successor in office and assigns) for **THE SECOND PARTY**.

**Whereas**

Army (Counter Insurgency and Jungle Warfare School) 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 interest, it is desirable to enhance research and academic processes at both the institutions and to strengthen mutual understanding between their respective staff, research scholars and trainees and also to see mutual support in planning and executing programs promoting excellence in respective areas of research and academics, the 'Botanical Survey of India (BSI) and Army (Counter Insurgency and Jungle Warfare School) do hereby enter into this memorandum of Understanding for academic, educational, research cooperation and have set forth the following Articles on Mutual Agreement.

**Article1: Rationale**

Army has a presence all across India with a strong footprint especially in border areas and harsh terrain such as deserts, riverine, forests and high altitude. Access to these areas for research is generally restricted for security reasons or limited due to inaccessibility. The Counter Insurgency and Jungle Warfare School of the Army located at Vairengte, Mizoram is a 'Centre of Excellence' in Sub Conventional Operations and Jungle Warfare. It conducts jungle survival training as an integral part of its course curriculum. Jungle survival training, apart from other aspects of survival (not mentioned here) incorporates knowledge on (i) edible plants (ii) medicinal plants and (iii) toxic plants. This knowledge is promulgated across the Indian security forces and friendly foreign countries through its courses, training and tailor-made programs, which are conducted for the three services, Central Armed Police Forces and friendly foreign countries. Thus, Army (Counter Insurgency & Jungle Warfare School) can act as a single point coordinating agency to promulgate

learning on plants across the armed forces and assist in concerting research endeavors on plants.

**and**

**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 Army (Counter Insurgency and Jungle Warfare School) have realized the need for a close linkage between the institutes 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 institutions and to strengthen mutual understanding between the irrespective staff, research scholars and students and also to seek mutual support in planning and executing programs

promoting excellence in respective areas of research and academics. 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**

- Army (Counter Insurgency and Jungle Warfare School) shall be recognized as a coordinating agency between the Indian Army and Botanical Survey of India (BSI) for promulgating learning on plants, research activities in inaccessible areas with Indian Army presence and joint conservation initiatives.
- Army (Counter Insurgency and Jungle Warfare School) 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 on request and subject to mutual conveniences of both the parties.
- 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:**

- Scientists of Botanical Survey of India (BSI) including all its Regional Centers, units and Headquarters all over the country may participate in the teaching programs on edible plants, medicinal plants, toxic plants and forest conservation of Army (Counter Insurgency and Jungle Warfare School) on request and subject to mutual conveniences of both the parties. Similarly, representatives of Army (CIJW School) may participate in relevant Botanical Survey of India (BSI) programs.
- For the benefit of Botanical survey of India (BSI), Army (Counter Insurgency and Jungle Warfare School) will act as the coordinating agency for concerting research and experimentation initiatives in forward areas/ difficult areas with army presence and conservation initiatives with Ecological battalions or Army installations as per feasibility.
- For the benefit of Army (Counter Insurgency and Jungle Warfare School), Botanical Survey of India (BSI) will conduct guest lectures at Army installations on topics as agreed upon between the parties from time to time.
- For the mutual benefit of the two institutions *i.e.* Botanical Survey of India (BSI) and Army (Counter Insurgency and Jungle Warfare School), they will collaborate and dispense assistance in identification and utilization of edible, medicinal and toxic plants.

- For the mutual benefit of the two institutions *i.e.* Botanical Survey of India (BSI) and Army (Counter Insurgency and Jungle Warfare School), will collaborate and dispense assistance in identification of toxic plants and prevention of harm/ injury arising from toxic plants.
- Botanical Survey of India (BSI), will undertake short tailor-made programs in identified areas of common interest with Army (Counter Insurgency and Jungle Warfare School) for armed forces personnel.
- Honorarium, TA/DA, etc. if applicable, can be provided to the faculty members/ Scientists/ technical staff of Army (Counter Insurgency and Jungle Warfare School) and Botanical Survey of India (BSI), as per rule, by the requisitioning authority.
- This MoU does not imply any financial obligations or legal binding on either of the parties.

#### **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 resolved amicably through mutual discussion.

#### **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 Understanding. The duration may be extended with the consent of both the parties under mutually agreed terms and conditions. This MoU ceases to exist if any of the above Area & Scope of cooperation is altered/ changed by either of the parties.
- It is further agreed that the Commandant, Counter Insurgency and Jungle Warfare School 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 Commandant, Counter Insurgency and Jungle Warfare School 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 WHEREOF THE PARTIES HERE-IN HAVE HERE-UNTO SET THEIR RESPECTIVE HANDS AND SEAL, THE DAY, MONTH AND YEAR FIRST HERE-IN-ABOVE MENTIONED.

Having gone through each and every condition of this agreement and having understood it clearly and perfectly, both the parties affix their signatures below as attesting to this deed on the date of ..... 7<sup>th</sup> May, 2025.

For and on behalf of CIJW School

  
07 May 2025  
Signature

Maj Gen Vinod Kumar Nambiar, YSM, SM, VSM  
Commandant

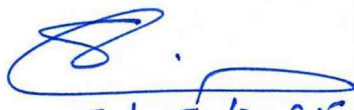
Counter Insurgency and Jungle Warfare School,  
Vairengte, Mizoram

In the presence of

Witness- 1:


  
S Hamant

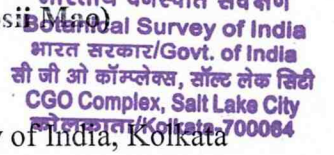
Witness- 2:

  
07/05/2025  
ले. कर्नल / Lt Col  
कार्यवाहक कर्नल जीएस  
Offg Col Gs  
सी आई जे डब्ल्यू स्कूल  
CIJW School



For and on behalf of BSI, Kolkata


  
07/05/2025  
Signature

(Dr. Ashiho Asos)   
Director  
Botanical Survey of India, Kolkata  
Kolkata, West Bengal

Witness -1:

  
07/05/2025  
डा. सुधांशु शेखर दाश  
Dr. Sudhansu Sekhar Dash  
वैज्ञानिक एफ. व. तकनीकी अनुभाग प्रभारी  
Scientist-F & Technical in-charge  
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

Witness-2

  
Dr. Kanad Das  
Scientist 'F' & Head of Office  
Central National Herbarium, Botanical Survey of India  
Ministry of Environment, Forest & Climate Change  
Govt. of India  
P.O.-B. Garden, Howrah-711103