

OFFICE OF THE DIRECTOR OF HIGHER & TECHNICAL EDUCATION  
MEGHALAYA :: :: :: SHILLONG

No.CE/GC/PRO/ET/1/2018-2019/80,

Dated Shillong the 22<sup>nd</sup> July, 2022.

From: Dr. E. K. Mawkhiew,  
Dy. Director of Higher Technical Education,  
Meghalaya, Shillong.



To: The Principal,  
Kiang Nangbah Government College,  
Jowai.

Subject: Sanction for Field study trip in respect of Kiang Nangbah Government College, Jowai.

Sir,


With reference to the subject cited above, I am to forward herewith letter No.EDU/0298/2223/GEN, dated 18<sup>th</sup> July, 2022 and Sanction No:EDU/0338/15072022/2202/23, Sanction ID:2992 in connection with sanction for Field study trip in respect of Kiang Nangbah Government College, Jowai.

The amount has been allotted through BEAMS.

This is for your information and necessary action.

Enclosures: As stated.

Yours faithfully,

  
Dy. Director of Higher & Technical Education  
Meghalaya :: :: :: Shillong



Government of Meghalaya  
Education Department

190

No.EDU/0298/2223/GEN

Dated: 18-07-2022

Sanction No: EDU/0338/15072022/2202/23

Sanction ID:2992

From : Shri P.N.Sangma  
Deputy Secretary.  
Education Department

To : The Director of Higher and Technical Education  
Meghalaya Shillong

Sub : Sanction for Field study trip in respect of Kiang Nangbah Govt College, Jowai.

Sir,

I am directed to convey the sanction of the Governor of Meghalaya for an amount not exceeding ₹4,25,000.00/- (Rupees Four Lakhs Twenty Five Thousand only) for field study trip in respect of Zoology and Botany Department of Kiang Nangbah Govt College, Jowai..

The relevant rules and procedures laid down for incurring the expenditure and drawing and disbursement of the money should be strictly adhered to.

The expenditure is debitible to the Head of Account "212202031032300V1" (2202-GENERAL EDUCATION 03-UNIVERSITY AND HIGHER EDUCATION 103-GOVERNMENT COLLEGES AND INSTITUTES (23)-Excursion for College students 00-- 36-Grants-in-aid General (Non-Salary) General ) for amount Rs. 4,25,000.00/- during the year 2022-2023.

The sanction is issued with the concurrence and approval of Finance Department vide Finance Memo vide No: FIN/477/2022-23, dated 12 Jul, 2022.

Yours faithfully

Deputy Secretary of Govt. of Meghalaya  
Education Department

Dated Shillong the 18-07-2022

Memo No.EDU/0298/2223/GEN-A

Copy forwarded to:

1. Finance (EC-II) Department for Information
2. Finance (B) Department
3. Treasury Officer, Jowai.
4. Office Copy

By Order etc...

Deputy Secretary of Govt. of Meghalaya  
Education Department

Dated Shillong the 18-07-2022

Memo No.EDU/0298/2223/GEN-B

Copy forwarded to:

1. The Accountant General (Audit)
2. The Accountant General (Accounts)

By Order etc...

Financial Adviser,  
Education Department



## Paper 8B (Practical)

## Developmental Biology, Environmental Biology and Biotechnology

Marks: 25  
Time: 4 Hours

1. Permanent preparation of whole mount of chick embryo.
2. Study of regeneration in *Hydra/Planaria*.
3. Study of whole mount /sections of different developmental stages of chick embryo from permanent slides.
4. Community analysis.
5. Qualitative analysis of aquatic communities from different water bodies.
6. Estimation of total hardness of water samples.
7. Quantitative estimation of Plankton.
8. Analysis of community similarities and species diversity indices.
9. Field trip and submission of Field Report.

## Distribution of Marks

1. Developmental Biology
2. Environmental Biology
3. Spotting
4. *Viva Voce*
5. Laboratory Record
6. Field Report

Total 25 (Internal test – 7 + End semester test - 18)



**KIANG NANGBAH GOVERNMENT COLLEGE, JOWAI**  
**DEPARTMENT OF ZOOLOGY**  
P.O. Jowai::West Jaintia Hills District::Meghalaya - 793150  
(E-mail: [zoologykngc@gmail.com](mailto:zoologykngc@gmail.com))

# **FIELD TRIP REPORT**

## **(2021-2022)**

**A TRIP TO**  
**MAWLYNGBNA, MAWSYNRAM**  
**EAST KHASI HILLS DISTRICT**  
**MEGHALAYA**



**DEPARTMENT OF ZOOLOGY**  
**KIANG NANGBAH GOVT, COLLEGE, JOWAI**  
**WEST JAINTIA HILLS DISTRICT**



# KIANG NANGBAH GOVERNMENT COLLEGE, JOWAI

## DEPARTMENT OF ZOOLOGY

P.O. Jowai::West Jaintia Hilt District: Meghalaya – 793150

(Email: [Zoologykngc@gmail.com](mailto:Zoologykngc@gmail.com))

**Abstract:** As per the prescribed curriculum by NEHU for the 6th Semester i.e. Paper 8E, the Department of Zoology has to take Zoology Honours students for a field trip/study tour both within and outside the state. The Education Department, Government of Meghalaya supports the financial expenditure in order to fulfil the criteria allotted in the syllabus. The main objective of this field trip is to bring the concept of what students have learnt in the normal classroom and to reveal the facts of what they have learned or for the purpose of first-hand observation.

**Introduction:** The Department of Zoology organized a field trip to Mawlyngbna, Mawsynram on 14<sup>th</sup> January 2022. The aim of the field trip was to visit to the Fossil Site, Split Rocks and Umkhakoi and to observe living wildlife fauna.

Science students required a practical work in order to get acquaintance with the subjects he/she studies. Therefore, study tour is one of the best impacts which we can motivate the students to protect life and environment which is the main focus of our study and research work. In order to preserve the diversity of animals and plants species which is very important for the ecological balance of the nature, one has to explore its natural habitat, and understand the needs of its conservation.

Mawlyngbna is a fossil village in Meghalaya, the age of the fossil will help us to know the age of the species living in that particular place by comparing with the other related fossil species in other places through research work and with the help of scientists. Fossils of animals dating 200 million old have been reported in this village.

### **Brief Report:**

1. A group of 29 students, were accompanied by Madam D. A. Pde (HOD), Dr. (Mrs) L. M. Darnei, Dr. (Mrs) I. Nongtraw, Smt. W. M. Dkhar and Dr. P. Suchiang.
2. The team left at 5.00 AM sharp from the College Campus.
3. We arrived at Mawlyngbna Village at around 11:00 AM.





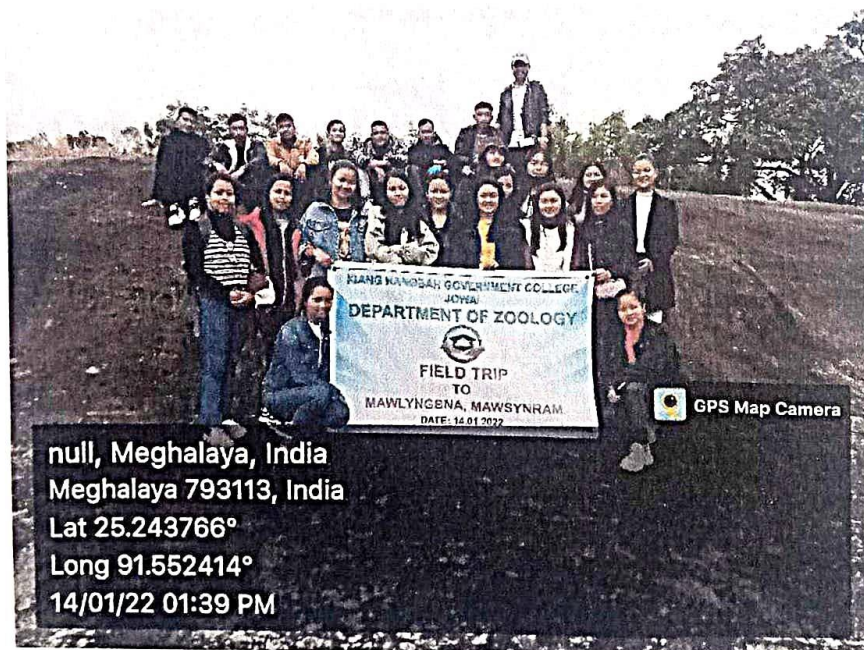
# KIANG NANGBAH GOVERNMENT COLLEGE, JOWAI

## DEPARTMENT OF ZOOLOGY

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(E-mail: [zoologykngc@gmail.com](mailto:zoologykngc@gmail.com))

4. On the way to Mawlyngbna, water samples were collected by the students for **plankton study**.
5. Soon after reaching Mawlyngbna we visited the **Fossil Site**. We spent for an hour in the Fossil site. Presence of Fossils in the area is the evidence of the place's underwater history that goes back millions and millions of years. It is believed that the entire area was actually a part of the seabed.
6. After visiting the Fossil Site, the team proceeded towards Split Rock. It is a huge rock split into two from top to bottom, the event attributed to the devastating Magnitude-8 Assam earthquake of 1897. The two flat rocks sat parallel to each other separated by about 2 meters. One can walk through a narrow passage between the two rocks that leads to a very narrow cave. If proper examination and analysis of Split rocks are done, the rock could determine the approximate age of our planet.
7. The team also visited the Umkhakoi Reservoir. The multiple bowl-shaped depression at Umakhakoi fascinated us much more than the Reservoir itself. The depressions are usually filled with water which are connected by the bamboo bridges in the larger ones. Different rock shapes and surfaces are seen which could really indicate the ecological time and epoch of different species living during that particular era.
8. After visiting Umkhakoi, we journey back home at around 5:00 PM.

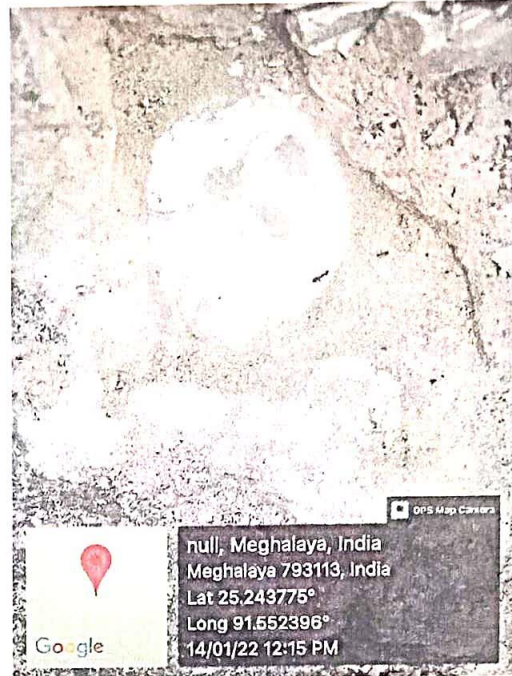
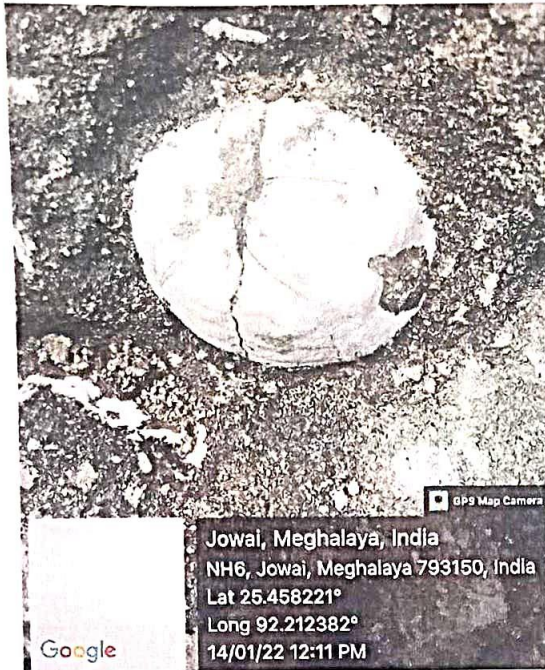




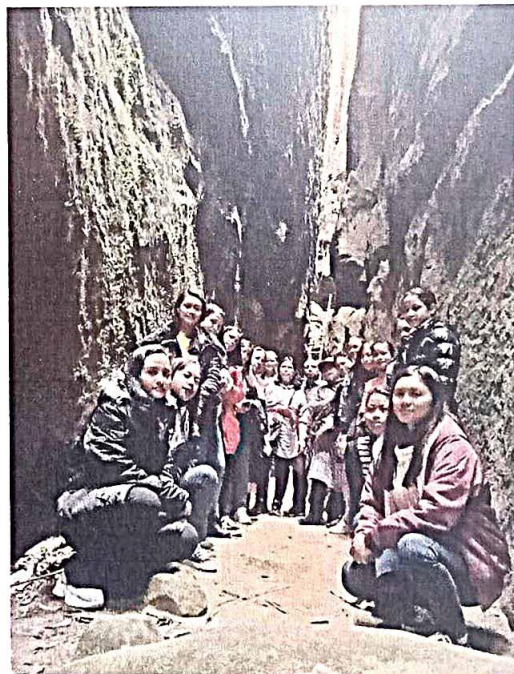
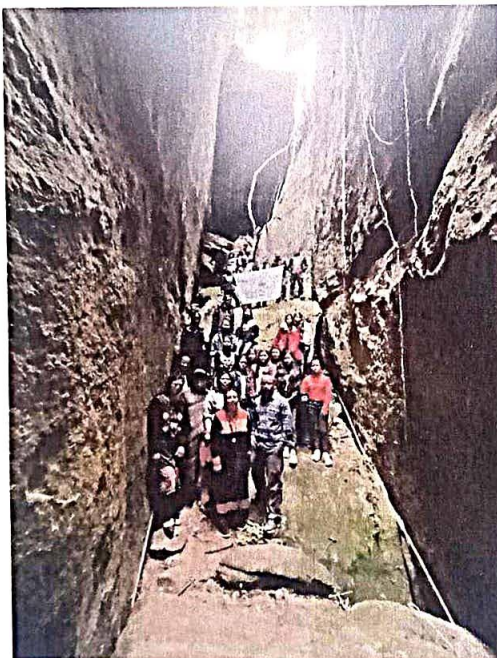
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Fossils



Split rocks





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**Umkhakoi Reservoir**

**Conclusion:** The field trip is highly enlightening the young minds to pursue higher studies, and very excited to know the fact which they study theoretically. Thus, field trip gives self-experienced and encouragement to the students.





**KIANG NANGBAH GOVERNMENT COLLEGE, JOWAI**  
**DEPARTMENT OF ZOOLOGY**


**Attendance Sheet for Field Trip to Mawlyngbna Mawsynram**

(Date: 14.01.2022)

Class: B.Sc. 6th Semester (Honours - Zoology)

Sl. No.	Univ. Roll No.	Name of the Student	Present/Absent
1	S1902436	RICHANMIKI PHAWA	P
2	S1902437	GERMIOO THUBRU	P
3	S1902439	EBANIKI DKHAR	P
4	S1902440	IBANRISHISHA RYNGKHLEM	P
5	S1902441	AHBOK LANGSHIANG	P
6	S1902442	VICKY A. LAMARE	P
7	S1902443	JOEWILL BERTH JUNGAI	P
8	S1902444	BANRISHAPHRANG SUIAM	P
9	S1902445	MEBANDA LYNGDOH	P
10	S1902446	DIAMOND PAPIAH	P
11	S1902447	DAPHIHI YMBON	P
12	S1902448	RIKADA I RYMBAI	P
13	S1902450	DAIARISA PASSAH	P
14	S1902451	DIKAHIPAIA DKHAR	P
15	S1902454	DA U RU PAIA D SIANGSHAI	P
16	S1902455	BET SHYRMANG	P
17	S1902459	MOSES LYNGDOH	P
18	S1902461	DAYOOHUN I BHOI	P
19	S1902462	MOONIANG LALOO	P
20	S1902463	MORNING SUTING	P
21	S1902465	DONLANG SAYOO	P
22	S1902466	TINA MARY PADU	P
23	S1902467	PREJITA BATHARI	P
24	S1902468	DALADEIMONMI DHAR	P
25	S1902469	THATVURI DARNEI	P
26	S1902470	HEIMONMI LYNGDOH	P
27	S1902471	SONI SUSNGI	P
28	S1902472	DARYL D LAMARE	P
29	S1902473	NIKHIL DKHAR	P



  
Head  
Department of Zoology  
K.N. Govt. College, Jowai