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CRITERION 7

SUB-CRITERION 7.1.3.

Environmental promotional activities beyond campus undertaken by the NSS Unit of Rammohan College

- 30.04.2019 – NSS organized programme on ‘General Awareness about Mosquito’ within campus and outside mosquito repellent sprayed
- 20.05.2020 – Covid-19 Awareness Programme conducted online
- 15.03.2022 – AIDS Awareness programme – slumswere visited – 43 volunteers and 3 teachers participated.
- 21.03.2022 – Awareness campaign on Dengue and Malaria – NSS visited slums of Chalta Bagan and Rammohan Sarani. People were made aware of the causes of Dengue and Malaria and the necessary precautions that need to be taken. 25 volunteers and 2 teachers had participated.
- 22.03.2022 – Slums were instructed about Covid awareness. 23 volunteers and 2 teachers participated.
- 25. 03. 2022 – Awareness campaign on ‘water saving’ – 17 volunteers and 2 teachers participated.

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- 26.03. 2022 – Swachh Bharat Abhiyan – streets were swept and cleaned and bleaching powder was sprayed. People were instructed about importance of cleanliness. 48 volunteers and 4 teachers participated.
- 28.03.2022 – NSS programme on importance of ‘Plantation’ – slums were visited and people informed about importance of plants and trees.
- 16.12. 2022 – Swachh Bharat Abhiyan –Organaised by NSS.
- 20.12.2022 – NSS Awareness campaign on Dengue and Malaria.



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Report of extension activities conducted through NSS from 2018-19 till 2022-23

Event Name: General awareness about Mosquito

Brief Description: National Service Scheme (NSS) Rammohan College Unit organized a seminar on “**General Awareness about Mosquito**” in the Room-6 of Rammohan College on 30th April, 2019 at 9:30 a.m. The event was completely controlled and monitored by NSS Programme Officer and Committee members, also with the help of other faculties from different departments of our College. After the seminar NSS team comprising of students and faculty members conducted various activities such as cleaning, spreading bleaching powder in the campus and outside of the campus. All our NSS Volunteers actively participated with their full commitment of this session. There was a great deal of enthusiasm among the students during such activities.

Photo:



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Event Name: COVID-19 Awareness Programme

Brief Description: NSS Unit of Rammohan College organized COVID-19 awareness program on from 20th May 2020 in online mode. In the period of lockdown situation our NSS team decided to make this time as productive time by involving some creative activities. We decided to spread awareness by making poster and sharing it with affective caption via social media platforms. Poster includes points like social distance maintains, hand washing, wearing mask, how can we save old age people and safe us to save our nation.

Photo:



Event name: Awareness campaign on 'Aids'



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Brief description: The NSS Unit of Rammohan College arranged a public awareness drive to aware the people on 'Aids' on 15th March, 2022. The campaign started from 10.30 am. Total 43 volunteers and 3 teachers attended the campaign. They visited the slum area of Rammohan Sarani and Chaltabagan area. They gathered the crowd and made them aware about the cause and effect of aids. They also encouraged them to voluntary HIV testing and counselling. They also promoted the use of condom to reduce the HIV infetions. This programme raised awareness among people in the slum area.

Photo:



Event name: Awareness campaign on dengue and malaria

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Brief description: The NSS Unit of Rammohan College arranged an awareness campaign to aware the people on 'Dengue' and 'Malaria' on 21st March, 2022. The campaign started from 3.30 pm. Total 25 volunteers and 2 teachers attended the campaign. The volunteers made several placards on the said topic and also raised slogans during the campaign. They visited the slum area of Rammohan Sarani and Chaltabagan area. They gathered the crowd and made them aware of causes of malaria, dengue and how they can fight against them. They also advised them to keep the area clean. This programme raised awareness among people in the slum area, also helped the volunteers in boosting their confidence.

Photo:



Event name: Covid awareness programme

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Brief description: The NSS Unit of Rammohan College arranged an awareness programme to aware the people on 'Covid' on 22nd March, 2022. The campaign started from 3.30 pm. Total 23 volunteers and 2 teachers attended the campaign. The volunteers made several placards on the said topic and also raised slogans during the campaign. They visited the slum area of Rammohan Sarani and Chaltabagan area. They gathered the crowd and made them aware of causes of covid and how they can fight against them. They also advised them to wear mask and wash hands time to time. This programme raised awareness of covid among people in the slum area.

Photo:



Event name: Awareness campaign on 'Water saving'

Brief description: The NSS Unit of Rammohan College arranged an awareness programme to aware the people on 'Water saving' on 25th March, 2022. The campaign started from 2.30 pm. Total 17 volunteers and 2 teachers attended the campaign. The volunteers made several placards on the said topic and also raised slogans during the campaign. They visited the slum area of

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Rammohan Sarani. They gathered the crowd and told them about the importance of water saving. They taught them about the ill effects of misuse of water. This programme raised awareness among people in the slum area.

Photo:



Event name: Swachh Bharat Abhiyan

Brief description: A cleanliness programme was organized on 26th March, 2022 at the premises of New Science building of Rammohan College and the Rammohan Sarani. Total 48 volunteers and 4 teachers attended the campaign. On that day, all the NSS volunteers participated to clean the adjacent path of the college and the nearby street. They picked up the junk from the campus, along the streets and also swept the whole surrounding. Then they spread bleaching powder. This programme was arranged to make the students understand the importance of cleanliness, how they can keep their surrounding clean and also to make them aware of their duty as a responsible member of the community.

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Photo:



Event name: Awareness programme on plantation

Brief description: On 28th March of 2022, the NSS Unit of Rammohan College arranged an awareness programme to educate the people on 'plantation'. Total 47 NSS volunteers and 4 teachers attended the programme. The volunteers made several placards on the said topic. They visited the slum area of Rammohan Sarani and Chaltabagan. They gathered the crowd and told them about the importance of plantation. This programme raised awareness among people in the slum area, also helped the volunteers in boosting their confidence. After that they also planted some medicinal plants in the garden of the college.

Photo:



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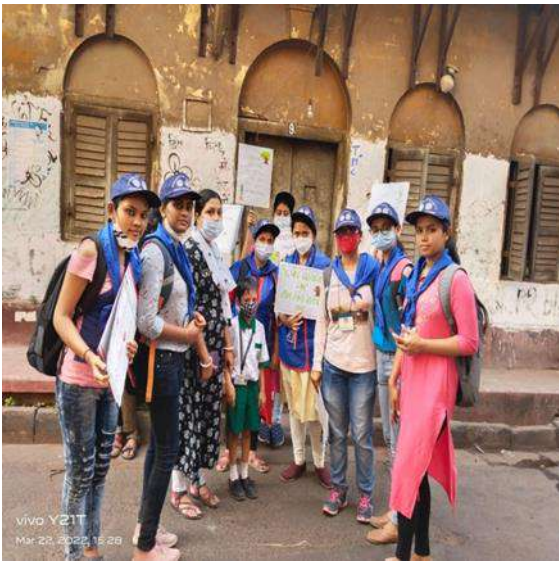
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Event name: Swachh Bharat Abhiyan

Brief description: A cleanliness programme was organized on 16th December, 2022 at 3.30 pm at the premises of New Science building of Rammohan College and the Rammohan Sarani. Total 44 volunteers and 3 teachers attended the campaign. On that day, all the NSS volunteers participated to clean the adjacent path of the college and the nearby street. They picked up the junk from the campus, along the streets and also swept the whole surrounding. Then they spread bleaching powder. This programme was arranged to make the students understand the importance of cleanliness, how they can keep their surrounding clean and also to make them aware of their duty as a responsible member of the community.

Photo:



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Event name: Awareness campaign on dengue and Malaria.

Brief description: The NSS Unit of Rammoohan College arranged an awareness campaign to aware the people on 'Dengue' and 'Malaria' on 20th December, 2022. The campaign started from 2.30 pm and ended at 5 pm. Total 48 volunteers and 4 teachers attended the campaign. The volunteers made several placards on the said topic and also raised slogans during the campaign. They visited the slum area of Rammoohan Sarani and Chaltabagan area. They gathered the crowd and made them aware of causes of malaria, dengue and how they can fight against them. They also advised them to keep the area clean. This programme raised awareness among people in the slum area, also helped the volunteers in boosting their confidence.

Photo:



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Letter of Recognition

This is to certify that Department of Zoology, Rammoohan College, Kolkata has been involved in different programme and events organized by WWF-India, West Bengal State Office since 2017.

Various students from different undergraduate semesters of that institution were engaged as participants and as well active volunteers in several events like

1. Observation of International Animal Rights Day
2. Observation of International Wildlife Day
3. Observation of Tiger Day
4. Observation of World Wildlife Day
5. Observation of WWF Volunteers Day
6. Dragonfly survey programme
7. Seminar on the discussion on 'Lesser Discussed Endangered Species in India'
8. Seminar on 'Lets Walk About Indian Wildlife'
9. Plastic Clean Campaign programme at Chintamani Kar Bird Sanctuary
10. Tide Turners Plastic Challenge (TPC) Campaign
11. Plastic free Durga-Puja Campaign and awareness programme
12. Awareness programme for 'Save Plants'
13. Campaign work for 'Vote for Clean Air'
14. Annual Wild Wisdom Quiz Programme
15. ECHO, WWF-India's youth volunteer programme

WWF-India appreciates and recognizes the engagement of those and other young minds of Rammoohan College in the field of wildlife study and further encourage them to be aware of the conservation of our environment of that in future.

Best wishes

Saswati Sen

Dr. Saswati Sen
(State Director)

TRUSTEES

Mr. Janshyd N. Godrej, President
Mr. Shri ArvindWable, Vice-President, Trustee- Treasurer
Mr. Shriyam Saran, Mr. Rajendra Singh
Mr. Satindra K. Par, Mr. Ravi Singh, Secretary General & CEO, Ex-Officio Trustee

WWF-India Secretariat:

Pirojshah Godrej National Conservation Centre
172-B, Lodi Estate, New Delhi – 110 003
Tel: 011 – 4150 4815 / 4816 / 4817 / 4818
Fax: 011 – 4150 4779. Web: www.wwfindia.org

Volunteer of World-Wide

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Fund for Wild Life (WWF): Rammohan College officially registered for the partnership with WWF- India since 2018. Students has been participated in different awareness programme such as plastic clean campaign at Chintamani Kar Bird Sanctuaryand competitions such as tide turners plastic challenge arranged by WWF.



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In 19th May, 2018 some students from Zoology department participated in the events organized by WWF on the occasion of 'Endangered Species Day and International Biodiversity Day'.



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In July to September 2018, students have been served as volunteer for World Environment Day.



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In 13.11.2018 students participated inSAFE Recycling Workshop 3, Patuli on occasion of Recycling Week celebration by WWF.



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In October 2018- January 2019 students act as volunteer in Ganges River dolphin Project.



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In October 2018- January 2019 students act as volunteer in Satragachi Bird Watching



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14th March 2019 students participated in a programme named 'Let's talk about Indian Wildlife' organized by WWF-INDIA WBSO in collaboration with Ramakrishna Mission Vivekananda Centenary College, Rahara.



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In 30.03.2019 students participated in a program named 'EARTH HOUR' organized by WWF-India, West Bengal state office at Eliot Park.



Students of Zoology Department participated as WWF-volunteers to resolve environmental issues in their college, community and Kolkata. In 1st May 2019, students of Zoology department took part in WWF-India's youth volunteer programme, **ECHO** that aims to create Environment Conservation Heroes in colleges across the country through bridging the gap between environmental awareness and conservation action. Their work on this ECHO project praised a lot by **WWF**. They build awareness among people of their city about plastic pollution and finding of the path to minimize the use of plastic.

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From March 2019- July 2019 students served as volunteer in Environmental Day celebration.



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In 29th July 2019, at the venue BITM, Kolkata students join the "GLOBAL TIGER DAY PROGRAM" organized by WWF-India, in collaboration with WCCB.



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From August 2019- November 2019 students act as volunteer in Durga Puja # give up single use of plastic campaign.



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In 14 November 2019, at the venue, Offbeat CCU (36/F, Topsia Rd, Topsia, Kolkata- 700039) students join the ECHO workshop.



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In 2020 students take active participation in a event “ Vote for clean air” conducted by WWF.



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In 10.01.2020 students participated and celebrated WWF VOLUNTEER ANNIVERSARY 2020 at Offbeat CCU.



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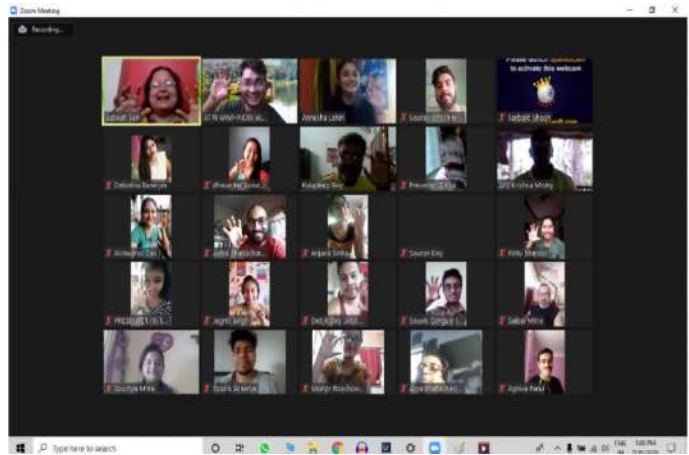
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In 29th July 2020 and 30th July 2020 students join the online programme named "India WBSO Global Tiger Day programme" organized by WWF-India.



In 20.03.2021 students have been participated in the "National recycling Day" from WWF in collaboration with Bengal CAN, SwitchOnFoundation(Environment Conservation Society).



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From 25th October 2021- 17th December 2021 students have been participated in the Odonata monitoring survey as a part of Dragon Fly festival, 2021.



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In 6th November 2021, students take part in celebration of Wildlife Week programme organized by WWF-India, WBSO and WCCB at Bano bitan, Central Park, Saltlake.



In 3rd March 2022, students take part in celebration of World Wildlife Day programme organized by WWF.

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In 3rd May 2022 students participated in the programme named “Banypran er kothay” as a part of International Wildlife Day celebration.



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RAMMOHAN COLLEGE

(Formerly City College W.Dept.)

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E-mail : rmc.tic85b@yahoo.in, rmc.principal@gmail.com

Accredited B++ Grade by NAAC

Ref.

Date.....20

In 13/07/22,14/07/22 students participated in Tiger Day programme organized by WWF.



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Date.....20

In 21st October 2022, 3 students from 6th semester Zoology Hons participated and presented in a seminar organized by WWF at Garchumuk Zoological Garden, Howrah in observation of Wildlife Week.



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Date.....20

In 10th December 2022 students participated in the awareness road rally regarding animal rights as a part of celebration of International animal rights day from WWF, in collaboration with Forest Dept, West Bengal.



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PEOPLES BIODIVERSITY REGISTRAR OF KOLKATA, WARD NUMBER 27: A PEOPLES DOCUMENT PREPARED AS PER DIRECTIVE OF NATIONAL GREEN TRIBUNAL (NGT) BY RAMMOHAN COLLEGE

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3. Principal & BMC Secretary, Rammohan College
4. Counselor & BMC Member, Ward No. 27
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7. Assistant Professor & BMC Member, Department of Zoology, Rammohan College
8. Assistant Professor & BMC Nodal Officer, Department of Zoology, Rammohan College

ABSTRACT

As per National Biodiversity Authority (NBA) Guidelines, National Green Tribunal (NGT) has issued one order to West Bengal Biodiversity Board, Government of West Bengal to prepare a complete Peoples Biodiversity Registrar (PBR) of Kolkata Municipal Corporation (KMC). A project has been initiated in the year 2017-18. Rammohan College has been approached to prepare a PBR of Ward No. 27 and form a Biodiversity Management Committee (BMC). A complete PBR has been prepared and submitted to West Bengal Bio Diversity Board, Department of Environment, Government of West Bengal.

Key words: KMC, PBR, NGT, NBA, BMC

INTRODUCTION

India has a wealth of biological diversity as well as traditional and modern knowledge. It takes up 2.4% of the global area, which accounts for 7–8% of the species that are known to exist globally (Singh 2016). As of right now, the nation has documentation for over 91,200 animal and 45,500 plant species (NBA 2018). In accordance with the 1992 Convention on Biological Diversity, the Indian government created the Biological Diversity Act (BDA) in 2002 and regulations in 2004. Conservation of biological diversity, sustainable use, and just and equitable distribution of benefits resulting from the exploitation of natural resources are all mandated by CBD. The Convention notably upholds the sovereign right of the states to preserve their biological variety. Each member state of the Convention is required to implement a National Biodiversity Strategy and Action Plan (NBSAP) or an equivalent instrument for the conservation of biodiversity. As a result, the BDA (2002) established the National Biodiversity Authority (NBA) to advise and assist the Biodiversity Management Committee (BMC) in developing the People's Biodiversity Register

(PBR) (NBA 2013). Three tiers have seen the deployment of BDA (2002): the NBA at the national level, further there are State, District, Block, Town, Village BMCs. The primary goal of BMC formation in relation to PBR preparation is to raise public awareness and foster a sense of community among people and their environment (NBA, 2004). Notably, as of January 2022, the nation had assisted in the establishment of 2,65,458 PBRs and 2,76,690 BMCs by the corresponding SBBs in 28 states. According to Biological Diversity Regulations (2004), every local person's BMC is required to prepare for PBR. The APBR is a legally binding document that provides, in accordance with NBA criteria, detailed information about the entire biodiversity of a region, including its flora, fauna, and other resources under a BMC's jurisdiction. According to the updated PBR rules of the NBA (2013), a PBR booklet consists of five annexes, which include general information on the panchayat's BMC, a list of "vaidis," "hakims," and regional traditional healthcare practitioners who reside and/or biological resources that are under the village's jurisdiction; a list of people who the villagers believe possess Traditional Knowledge (TK) about biodiversity in agriculture, fisheries, and forestry; a list of schools, colleges, departments, universities, government institutions, non-governmental organizations, and individuals involved in the PBR preparation and details of access eight Union Territories?

The documenting of PBR entails a thorough understanding of natural resource science as well as, and perhaps more crucially, an approach to involving various stakeholders in order to foster ownership and awareness of biodiversity and its conservation. Furthermore, the documenting of PBR is an effort to sustain traditional knowledge and wisdom by establishing more formal institutions to support them and, more crucially, by establishing new contexts for their ongoing practice (Gadgil et al. 1993, 2000). The goal of decentralized participatory resource management systems is achieved by employing Participatory Rural Appraisal (PRA) (Chambers 1992) to gather the data recorded in a PBR (Chambers 1983). The PBR approach also aids in the documentation and advancement of an evaluation of a range of traditional conservation-oriented resources and activities (Gadgil & Berkes, 1991). The purpose of this material, according to Sharma (1997), is to empower individuals who are not part of the mainstream of science, administration, or politics. Consequently, a group of individuals with expertise It's crucial to consider both social and technical factors when creating PBRs. The ability to conduct surveys, plan meetings and workshops, and communicate with locals—preferably in their native tongue—is crucial for PBR preparedness.

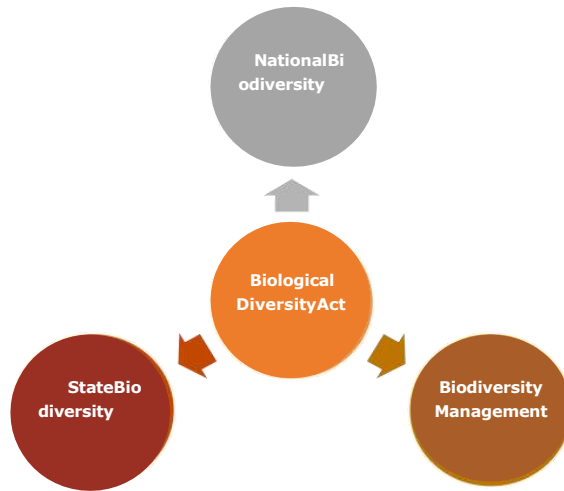


Figure 1. Structure suggested by National Biodiversity Act

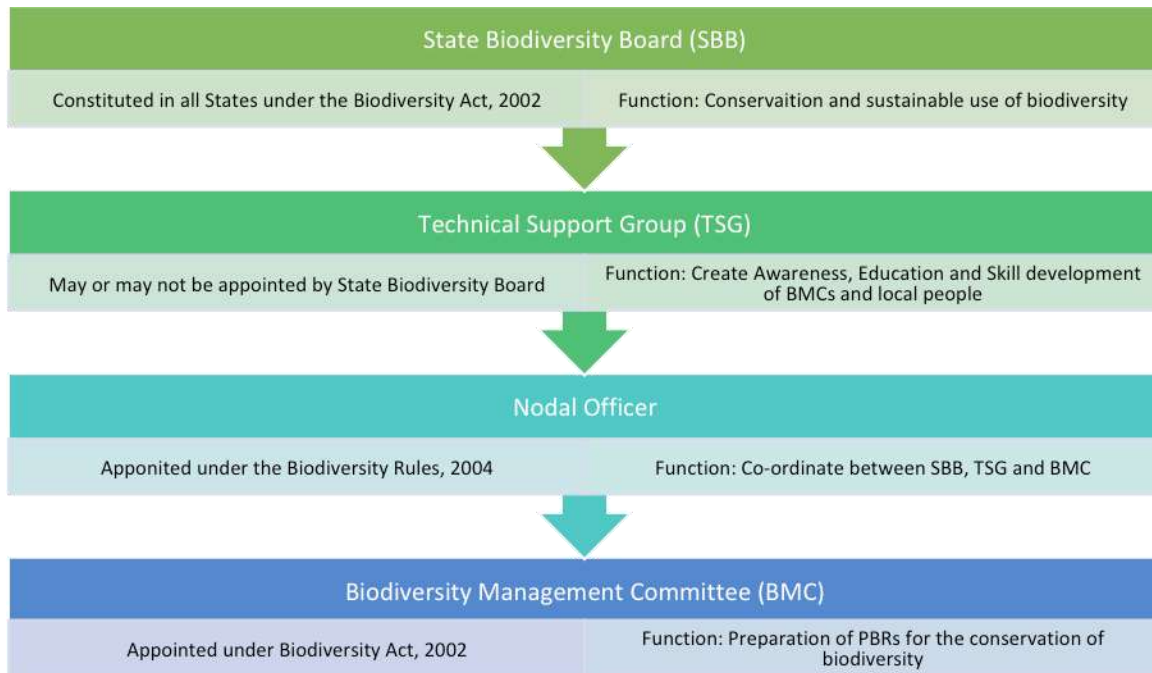


Figure 2. Structure of State Biodiversity Management Group

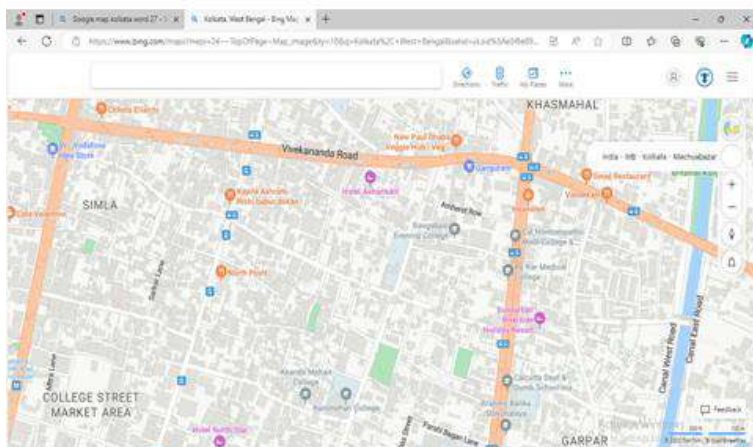


Figure 3. Map of Ward Number 27 of KMC

The BMC

1. Prof. Jayanti Sen, Associate Professor & BMC Member, Department of History, Rammohan College
2. Dr. Krishnendu Sarkar, Associate Professor and IQAC Convener & BMC Member, Department of Botany, Rammohan College
3. Dr. Saswati Sanyal, Principal & BMC Secretary, Rammohan College
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The Heritage

There is a distinct allure to the old buildings of north Kolkata. From the spacious courtyards to the extensive balconies, and the vast windows to the intimate corners where time and space seem to warp into one, decadent architecture in this part of the city has its own delight. At the same time, the story of this decadence is inseparably linked to decrepitude, decay and decline. Old buildings in north Kolkata are dying, and so is the culture contained within.

By the mid-1850s, Calcutta had developed into two areas that essentially segregated the inhabitants by color. The British “White Town” included many of the colonial buildings and municipal offices still in use today, while “Black Town” was comprised of large parts of North **Kolkata**, including old rajbaris, the houses of influential locals. There are two broad ways to label the colonial structures in the city— the landmark, iconic, postcard monuments and the historic, sometimes crumbling, but still functional public offices. In some cases, both these labels intersect.

No. 85 Amherst Street, now 85A, Raja Rammohun Sarani, a three storeyed structure illustrative of the colonial style architecture of the 19th century, is said to have been the residence of the family of Raja Rammohun Roy. His two sons Radhaprasad and Ramaprasad lived there with their families. The building was known as the Simla House. The name "Simla House" may have originated because the area was called "Simla". This house was supposedly designed by one W. Wood and is structured completely in the colonial Georgian style. It is gathered from the various writings that this property was purchased by Rammohun from one Francis Mendes for Rs. 13,000/- probably in the year 1815. It was in this house that Rammohun Roy for a while held weekly meetings of the Atmiya Sabha, the precursor to the Brahmo Samaj.

At the time of the departure for England in 1830 Rammohun Roy disposed of all his properties in Calcutta other than the Simla House to meet the expenses of his journey abroad. The house then continued to be in the possession of the descendants till the 1960s when it passed into the hands of miscreants and encroachers.

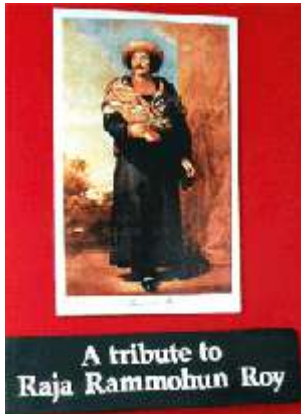
In the year 1972, on the occasion of the bi-centenary birth anniversary celebration of Rammohun Roy, the Rammohun College initiated a move to acquire the building with its adjoining lands measuring 76 cottahs. The Simla House remained in the hands of Rammohun's successors till 1960's. Afterwards it gradually passed into the hands of unauthorised Rammohun College occupiers, and had been subjected to undesirable vandalism.

took the initiative to rescue the house from its wretched plight and with active assistance of the State and Central Government acquired it in 1986

THE

MUSEUM

EXHIBITS



The memorabilia in the museum consists of photographs, sketches, paintings and excerpts from the writings of Rammohun and others reproduced, wherever possible, in facsimile. Also period furnitures and diorama representaions designed to recreate the times. Together they not only give us the glimpses of the various facets of one of the greatest personalities of the modern age, but at the same time take us back into a period in history when India was at crossroads, and Rammohun heralded the coming of the modern age.

The exhibits in the museum may be classified under the following heads:

- Books
- Commemorative Items
- Photographs
- Paintings and Sketches



- Panels and Dioramas
- Period furniture
- Death mask of Rammohun

The museum has recreated the replicas of period furniture and attire of Rammohun to depict the style of living at that time. We have paid attention to recreate the with exact detail to reflect the style that was prevalent during that era.



Death Mask of Rammohun

A humble beginning of the Memorial has been made by the Rammohun College with grants received from the Central Government, Department of Culture, Victoria Memorial Hall and kind donations received from the public.

The museum has amongst its prized exhibits the death mask of Rammohun. The replica has been made by the reputed sculptor Sri Niranjan Pradhan, the original of which was brought from Bristol by Shivanath Shastri.



The museum has a large collection of books by Rammohun. There are originals and facsimiles dating back to the early 18th century.

The museum has a large collection of commemorative items that include Stamps & Special Covers, historical documents related to Rammohun. Among the important possessions include the funeral document of Rammohun and other items. Among the photographs there are the houses associated with Rammohun; the memorial at his ancestral place and at Arnos Vale; relics of his house at Radhanagar etc.



Solvyn's depiction of Sati

The museum has the paintings of Sutte by renowned artists of that age such as B. Solvyns. There are also paintings and sketches of followers and contemporaries of Rammohun in the 19th century, notable of them being Prince Dwarkanath Tagore, Tarachand Chakraborty etc.

The museum presents through several pictorial depictions and dioramas Rammohun's ideals, his life and work, as also some significant historical events of that period.

Kolkata Police Museum

Whether you have only a few minutes or an hour or two, enjoy a delightful visit to the Kolkata Police Museum. Occupying 2,000 square feet, the Museum reflects the rich tradition and history of policing in our city. The Museum

seeks to collect, preserve and interpret objects related to the history of Kolkata Police. Our exhibit includes various items seized during the freedom struggle of the country.



Exhibit of Kolkata Police Museum

The Old Kolkata



House of Raja Rammohan Roy and Rammohan Roy Memorial Museum



Servant Quarter of House of Raja Rammohan Roy



In house Gate of House of Raja Rammohan Roy.



Laha Bari gate



Shib Bari (200 year old)



Mallik Bari







Old Kolkata is Famous for “Cast Iron” Structures

The Sacred Tree

In Hindu Mythology, Sacred Trees are found, in the context of Biodiversity Conservation, this tree usually belongs to Genus *Ficus sp.* These trees are “Umbrella Species” which is shelter of many species of insects, birds, mammals etc. Usually sacred trees are associate with any God. Two of them are found in the ward.





:

Temples: Old temples are also part of this ward, each of which has their own history



Shiv Mandir of 200 year old



Jhulanbari of 150 year old, deity Radha-Krishna



Kali Mandir 100+ year old



Gourio Math

Demography and Festival: This ward is of 6 Km² and 93426 is the total population. 61.23% is of Non-Bengali Speaking and 98.43% belongs to Hindu community. Durga Puja, Chot Puja and Kali Puja is the main festival of the area. Main Occupation Business (Iron and Steel). 29.23% are migrant labour.

Taboo: Nothing found

Traditional Medicine: Nothing special, Mixture of Lime& Turmeric in sprain, Tulsi to prevent cough& Cold.

BIODIVERSITY OF THE WARD

Tree Diversity

- | | |
|--|---------------|
| 1. <i>Ficus virens</i> Aiton | Moraceae |
| 2. <i>Ceiba pentandra</i> (L.) Gaertn. | Bombacaceae |
| 3. <i>Ficus benghalensis</i> L. | Moraceae |
| 4. <i>Senna siamea</i> (L.) Irwin et Barneby | Fabaceae |
| 5. <i>Sterculia foetida</i> L. | Sterculiaceae |
| 6. <i>Spathodea campanulate</i> P. Beauv. | Bignoniaceae |

| | |
|--|---------------|
| 7. <i>Pterospermum acerifolium</i> (L.) Willd. | Sterculiaceae |
| 8. <i>Drypetes roxburghii</i> (Wall.) Hurus. | Euphorbiaceae |
| 9. <i>Terminalia catappa</i> L. | Combretaceae |
| 10. <i>Thespesia populnea</i> (L.) Soland. ex Correa | Malvaceae |
| 11. <i>Peltophorum ferrugenum</i> (DC.) Heyne | Fabaceae |
| 12. <i>Alstonia scholaris</i> (L.) R. Br. | Apocynaceae |
| 13. <i>Ficus religiosa</i> L. | Moraceae |
| 14. <i>Terminalia alata</i> Heyne ex Roth | Combretaceae |

Herb & Shrub Diversity and their Occurrence in Ward 27, KMC

| SCIENTIFIC NAME | FAMILY | JAN-FEB | MAR-APR | MAY-JUNE | JULY-AUG | SEP-OCT | NOV-DEC | Comment |
|---|------------------|---------|---------|----------|----------|---------|---------|--|
| <i>Solanum nigrum</i> L. | Solanaceae | + | + | - | + | + | + | Annual herb |
| <i>Eragrostis tenella</i> (L.) Beauv. ex R. & S. | Poaceae | + | + | + | + | + | + | Perennial herb with rhizome |
| <i>Eleusine indica</i> (L.) Gaertn. | Poaceae | + | + | + | + | + | + | Perennial herb with rhizome |
| <i>Cynodon dactylon</i> (L.) Pers. | Poaceae | + | + | + | + | + | + | Perennial herb with wiry rhizome |
| <i>Oldenlandia corymbosa</i> L. | Rubiaceae | - | - | - | + | + | + | Annual herb |
| <i>Oldenlandia paniculata</i> L. | Rubiaceae | - | - | - | + | + | + | Annual herb |
| <i>Dactyloctenium aegyptium</i> (L.) Wild. | Poaceae | + | + | + | + | + | + | Perennial rhizomatous herb |
| <i>Ageratum conyzoides</i> L. | Asteraceae | + | - | - | + | + | + | Annual herb |
| <i>Vernonia cineria</i> (L.) H. Rob. | Asteraceae | + | + | + | + | + | + | Perennial herb |
| <i>Blumea lacera</i> (Roxb.) DC. | Asteraceae | + | + | - | - | - | + | Annual herb |
| <i>Lindenbergia indica</i> (L.) Kuntz. | Scrophulariaceae | - | - | - | + | + | + | Annual herb |
| <i>Mazus rugosus</i> Lour. | Scrophulariaceae | - | - | - | + | + | - | Annual tiny herb |
| <i>Vandellia crustacea</i> (L.) Benth. | Scrophulariaceae | - | - | - | + | + | - | Annual herb |
| <i>Lindernia oppositifolia</i> (Retz.) Muk. | Scrophulariaceae | - | - | - | + | + | - | Annual herb |
| <i>Vandellia hirsuta</i> Buch.-Ham. ex Benth. | Scrophulariaceae | - | - | - | + | + | + | Annual prostrate herb |
| <i>Phylla nodiflora</i> (L.) Greene | Verbenaceae | + | + | + | + | + | + | Perennial prostrate herb |
| <i>Rungia parviflora</i> (Retz.) Nees | Acanthaceae | + | + | - | - | - | + | Annual herb |
| <i>Desmodium triflorum</i> (L.) DC. | Fabaceae | + | + | + | + | + | + | Perennial prostrate herb |
| <i>Alternanthera sessilis</i> (L.) R. Br. ex DC. | Amaranthaceae | + | + | + | + | + | + | Perennial herb |
| <i>Alternanthera paronychioides</i> A. St.-Hil. | Amaranthaceae | + | + | + | + | + | + | Perennial herb |
| <i>Alternanthera ficoides</i> (L.) Sm. | Amaranthaceae | + | + | + | + | + | + | Perennial herb |
| <i>Amaranthus viridis</i> L. | Amaranthaceae | + | - | - | - | + | + | Annual herb |
| <i>Amaranthus spinosus</i> L. | Amaranthaceae | + | + | - | - | + | + | Annual prickly herb |
| <i>Tillanthera filoxeroides</i> (Mart.) Moq. | Amaranthaceae | - | - | + | + | + | - | Annual herb |
| <i>Aerva lanata</i> (L.) Juss. ex Schult. | Amaranthaceae | + | + | + | + | + | + | Perennial herb with somewhat woody rootstock |
| <i>Nasturtium indicum</i> Oliv. | Brassicaceae | - | - | - | + | + | + | Annual herb |
| <i>Mecardonia procumbens</i> (Mill.) Small. | Scrophulariaceae | + | + | - | - | - | + | Annual prostrate herb |
| <i>Pilea microphylla</i> (L.) Liebm. | Urticaceae | - | - | - | + | + | - | Tiny annual herb |
| <i>Laportia interrupta</i> (L.) Chew. | Urticaceae | - | - | - | + | + | - | Annual herb with stinging hairs |
| <i>Nicotiana plumbaginifolia</i> Viv. | Solanaceae | + | + | - | - | + | - | Annual herb |
| <i>Cyperus rotundus</i> L. | Cyperaceae | + | + | + | + | + | + | Perennial herb with corm |
| <i>Cyperus iria</i> L. | Cyperaceae | - | - | + | + | + | - | Annual herb |
| <i>Kyllinga brevistylis</i> Rottb. | Cyperaceae | + | + | + | + | + | + | Perennial rhizomatous herb |
| <i>Andrographis paniculata</i> (Burm. f.) Nees | Acanthaceae | + | + | - | - | + | + | Annual/perennial herb |
| <i>Andropogon aciculatus</i> (Retz.) Trin. | Poaceae | + | + | + | + | + | + | Perennial rhizomatous herb |
| <i>Dentella repens</i> (L.) J. R. Forst & G. Forst. | Rubiaceae | - | - | + | + | + | - | Annual prostrate herb |
| <i>Dentella serpyllifolia</i> Wall. ex Craib. | Rubiaceae | - | - | + | + | + | - | Annual prostrate herb |

| | | | | | | | | |
|--|------------------|---|---|---|---|---|---|----------------------------|
| <i>Oplismenus burmannii</i> (Retz.)P. Beauv. | Poaceae | + | + | + | + | + | + | Perennial herb |
| <i>Digitaria ciliaris</i> (Retz.) Koeler | Poaceae | - | - | - | + | + | - | Annual herb |
| <i>Digitaria sanguinalis</i> (L.) Scop. | Poaceae | - | - | - | + | + | - | Annual herb |
| <i>Chloris barbata</i> Sw. | Poaceae | + | - | - | + | + | + | Annual herb |
| <i>Sida rhombifolia</i> L. | Malvaceae | + | + | + | + | + | + | Perennial undershrub |
| <i>Sida acuta</i> Burm.f. | Malvaceae | + | + | + | + | + | + | Perennial undershrub |
| <i>Sida cordifolia</i> L. | Malvaceae | + | + | + | + | + | + | Perennial undershrub |
| <i>Crotalaria pallida</i> Aiton | Fabaceae | + | - | - | + | + | + | Annual herb |
| <i>Euphorbia hirta</i> L. | Euphorbiaceae | + | + | + | + | + | + | Perennial herb |
| <i>Euphorbia parviflora</i> L. | Euphorbiaceae | + | - | - | + | + | + | Annual herb |
| <i>Euphorbia microphylla</i> L. | Euphorbiaceae | + | - | - | - | = | + | Annual prostrate herb |
| <i>Phyllanthus urinaria</i> L. | Euphorbiaceae | - | - | + | + | + | - | annual herb |
| <i>Phyllanthus fraternus</i> Webster | Euphorbiaceae | - | - | + | + | + | - | Annual herb |
| <i>Tribulus terrestris</i> L. | Zygophyllaceae | - | - | + | + | + | + | Prostrate herb |
| <i>Centella asiatica</i> (L.) Urban | Apiaceae | + | + | + | + | + | + | Perennial herb with runner |
| <i>Physalis minima</i> L. | Solanaceae | - | - | - | + | + | + | Annual herb |
| <i>Solanum sisymbriifolium</i> Lam. | Solanaceae | + | + | + | + | + | + | Perennial prickly herb |
| <i>Evolvulus nummularius</i> (L.) L. | Convolvulaceae | + | + | + | + | + | + | Perennial prostrate herb |
| <i>Evolvulus alsinoides</i> (L.) L. | Convolvulaceae | - | | + | + | + | - | Annual prostrate herb |
| <i>Coldenia procumbens</i> L. | Boraginaceae | + | + | + | + | + | + | Perennial herb |
| <i>Heliotropium indicum</i> L. | Boraginaceae | - | - | + | + | + | - | Annual herb |
| <i>Leucas aspera</i> (Willd.) Link | Lamiaceae | - | - | + | + | + | - | Annual aromatic herb |
| <i>Leucas cephalotes</i> (Roth) Spreng | Lamiaceae | - | - | + | + | + | - | Annual herb |
| <i>Leonurus japonicus</i> Houtt. | Lamiaceae | + | + | - | - | - | + | Annual herb |
| <i>Scoparia dulcis</i> L. | Scrophulariaceae | - | - | + | + | + | + | Annual herb |
| <i>Cleome viscosa</i> L. | Capparidaceae | - | - | + | + | + | - | Annual herb |
| <i>Cleome rutidosperma</i> DC. | Capparidaceae | + | + | + | + | - | - | Annual herb |
| <i>Cleome gynandra</i> L. | Capparidaceae | - | - | + | + | + | + | Annual herb |
| <i>Bulbostylis densa</i> (Wall.) Hand.-Mazz. | Cyperaceae | - | - | + | + | + | - | Annual herb |
| <i>Brachiaria reptans</i> (L.) Gardner & Hubb. | Poaceae | + | + | + | + | + | + | Perennial herb |
| <i>Brachiaria distachya</i> (L.) Stapf. | Poaceae | + | + | + | + | + | + | Perennial herb |
| <i>Dichanthium annulatum</i> (Forsk.) Stapf. | Poaceae | - | - | + | + | - | - | Annual herb |
| <i>Echinochloa stagnina</i> (Retz.) P. Beauv. | Poaceae | - | - | + | + | + | - | Annual herb |
| <i>Leptochloa chinensis</i> (L.) Nees | Poaceae | - | - | + | + | + | - | Annual herb |
| <i>Hybanthus enneaspermus</i> (L.) F. Muell. | Violaceae | + | - | - | + | + | + | Annual herb |

Animal Diversity

Butterflies found in Ward No 27. are listed below with their predicted population trend calculated from collected sample of six years.

| Species | Common Name | Population Trend | |
|------------------------------------|---|----------------------|------------|
| I. Family: Papilionidae | | | |
| a. Sub-family: Papilioninae | | | |
| 1 | <i>Graphium agamemnon</i> (Linnaeus) | Tailed Jay | Uncommon |
| 2 | <i>Papilio polytes</i> Linnaeus | Common Mormon | Abundant |
| 3 | <i>Atrophaneura aristolochiae</i> (Fabricius) | Common Rose | Decreasing |
| II. Family: Pieridae | | | |
| a. Sub-family: Coliadinae | | | |
| 4 | <i>Eurema hecabe</i> (Linnaeus) | Common Grass Yellow | Abundant |
| 5 | <i>Catopsilia pyranthe</i> (Linnaeus) | Mottled Emigrant | Uncommon |
| b. Sub-family: Pierinae | | | |
| 6 | <i>Cepora nerissa</i> (Fabricius) | Common Gull | Common |
| 7 | <i>Appias libythea</i> (Fabricius) | Striped Albatross | Common |
| 8 | <i>Leptosia nina</i> (Fabricius) | Psyche | Abundant |
| III. Family: Nymphalidae | | | |
| a. Sub-family: Danainae | | | |
| 9 | <i>Danaus chrysippus</i> (Linnaeus) | Plain Tiger | Common |
| 10 | <i>Euploea core</i> (Cramer) | Common Crow | Decreasing |
| b. Sub-family: Satyrinae | | | |
| 11 | <i>Melanitis leda</i> (Linnaeus) | Common Evening Brown | Decreasing |
| 12 | <i>Mycalesis perseus</i> (Fabricius) | Common Bushbrown | Uncommon |
| 13 | <i>Ypthima huebneri</i> Kirby | Common Four-ring | Uncommon |
| e. Sub-family: Biblidinae | | | |
| 14 | <i>Ariadne ariadne</i> (Linnaeus) | Angled Castor | Decreasing |
| 15 | <i>Ariadne merione</i> (Cramer) | Common Castor | Decreasing |
| f. Sub-family: Nymphalinae | | | |
| 16 | <i>Junonia atlites</i> (Linnaeus) | Grey Pansy | Common |
| 17 | <i>Tarucus nara</i> Kollar | Rounded Pierrot | Common |
| 18 | <i>Zizeeria karsandra</i> (Moore) | Dark Grass Blue | Abundant |

| | | | |
|-----------------------------------|--------------------------------------|------------|------------|
| 19 | <i>Euchrysops cnejus</i> (Fabricius) | Gram Blue | Decreasing |
| 20 | <i>Chilades lajus</i> (Stoll) | Lime Blue | Uncommon |
| IV. Family: HesperIIDae | | | |
| a. Sub-family: HesperIInae | | | |
| 21 | <i>Borbo cinnara</i> (Wallace) | Rice Swift | Decreasing |



Graphium agamemnon (Linnaeus)



Papilio polytes Linnaeus



Atrophaneura aristolochiae (Fabricius)



Eurema hecabe (Linnaeus)



Catopsilia pyranthe (Linnaeus)



Cepora nerissa (Fabricius)



Appias libythea (Fabricius)



Leptosia nina (Fabricius)



Danaus chrysippus (Linnaeus)



Euploea core (Cramer)



Melanitis leda (Linnaeus)



Mycalasis perseus (Fabricius)



Ypthima huebneri Kirby



Ariadne ariadne (Linnaeus)



Ariadne merione (Cramer)



Junonia atlites (Linnaeus)



Tarucus nara Kollar



Zizeeria karsandra (Moore)



Euchrysops cnejus (Fabricius)



Chilades lajus (Stoll)



Borbo cinnara (Wallace)

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