

**Kabi Jagadram Roy Government General Degree  
College, Mejia  
Bankura-722143**

**NAAC 1st Cycle A.Y. 2018-19 to 2022-23**

**NAAC Key Indicator 7.2  
Best Practice**

**Metric No. Best Practice 1:**

**ARANYAK**

**(A practice of Protecting Greenery and Biodiversity)**

**Metric No. Best Practice 2**

**VASUNDHARA**

**(Knowledge Dissemination through the Geology Museum)**

**(Supportive Documents)**



(A Practice of Protecting  
Greenery and Biodiversity)



## Content

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## 7.2.1 Supporting documents related to the Best Practice 1 (Aranyak)

### 1. Butterfly Garden



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## Different species of butterflies and dragonfly of the college:

|  |  |   |
|--|--|---|
|  |  |   |
| <p>Common Glider, Upperside<br/>(<i>Neptis sappho</i>)<br/>Nymphalidae</p>         | <p>Lemon pansy<br/>(<i>Junonia lemonias</i>)<br/>Family: Nymphalidae</p> | <p>Common picture wing<br/>(<i>Rhyothemis variegata</i>)<br/>Family: Libellulidae</p> |
|  |  |   |
| <p>Common Glider, Underside<br/>(<i>Neptis sappho</i>)<br/>Family: Nymphalidae</p> | <p>Common Jay<br/>(<i>Graphium doson</i>)<br/>Papilionidae</p>           | <p>Common Jezebel<br/>(<i>Delias eucharis</i>)<br/>Family: Pieridae</p>               |



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Common Mormon  
(*Papilio polytes*)  
Family: Papilionidae



Grass Demon  
(*Ancistroides folus*)  
Family: Hesperidae



Indian Cabbage White  
(*Pieris canidia*)  
Family: Pieridae



Indian Red Flash, Upperside  
(*Rapala iarbus sorya*)  
Family: Lycaenidae



Lime Swallowtail  
(*Papilio demoleus*)  
Family: Papilionidae



Tawny coster  
(*Acraea terpsicore*)  
Family: Nymphalidae



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Eggs of  
Tawny coster Butterfly  
on Passiflora Plant



Larvae of  
Tawny coster Butterfly  
feeding on Passiflora Plant



Plain Tiger, Underside  
(*Danaus chrysippus*)  
Family: Nymphalidae



Plain Tiger mating pair  
(*Danaus chrysippus*)  
Family: Nymphalidae



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## Herbal Garden



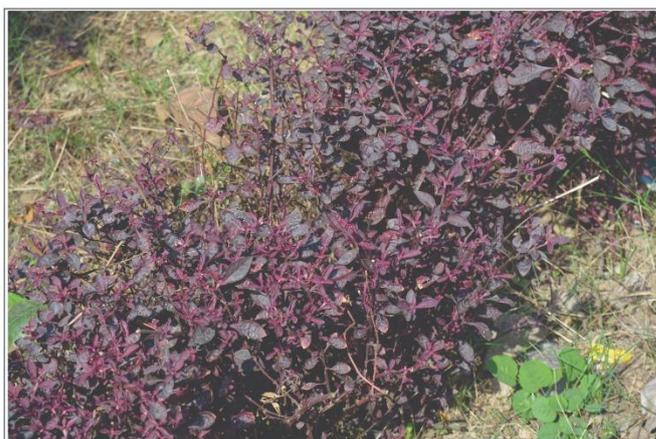
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## Some Medicinal Plants of Herbal Garden



**Lemon grass (*Cymbopogon citratus*)**  
Family: Poaceae



**Little ruby (*Alternanthera dentata*)**  
Family: Amaranthaceae



**Long pepper (*Piper longum*)**  
Family: Piperaceae



**Marsh Barbel (*Hygrophila auriculata*)**  
Acanthaceae



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**Hygrophila**(*Hygrophila auriculata*)  
Family: Acanthus



**Indian pennywort**(*Centella asiatica*)  
Family: Apiaceae



**Indian Snakeroot**  
(*Rauwolfia serpentina*)



**Kalanchoe**(*Kalanchoe blossfeldiana*)  
Fsmily: Crassulaceae



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**Mint Tulsi**  
*(Mentha x piperita f. citrata 'Basil')*  
Family: Lamiaceae



**Multivitamin**  
*(Sauropus androgynus)*  
Family: Euphorbiaceae



**Neem** (*Azadirachta indica*)  
Family: Meliaceae



**Noni** (*Morinda citrifolia*)  
Family: Rubiaceae



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**Chinese fever vine (*Paederia foetida*)**  
Family: Rubiaceae



**Singapore Daisy (*Sphagneticola trilobata*)**  
Family: Asteraceae



**Holy Basil (*Ocimum sanctum*)**  
Family: Lamiaceae



**Hop-headed barleria (*Barleria lupulina*)**  
Family: Acanthaceae



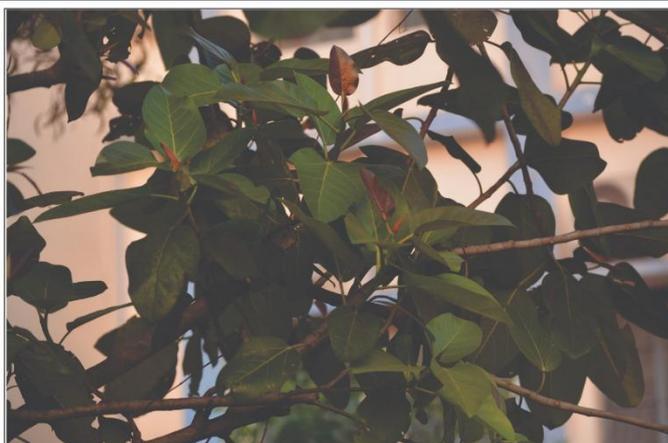
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## Indigenous Plant Species



Arjuna (*Terminalia arjuna*)  
Family: Combretaceae



Banyan (*Ficus benghalensis*)  
Family: Moraceae



Beechwood (*Gmelina arborea*)  
Family: Lamiaceae



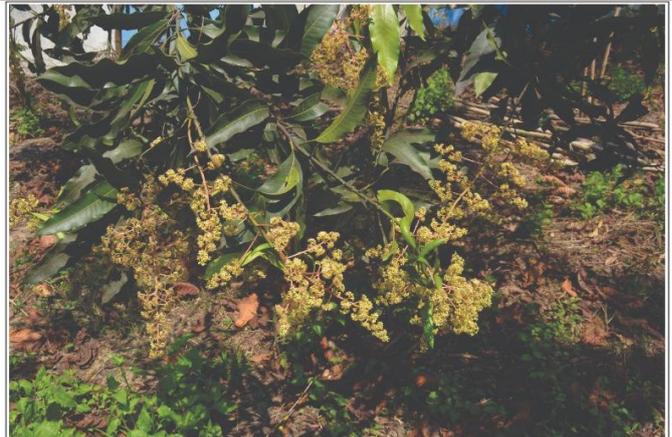
Bhat (*Clerodendrum infortunatum*)  
Family: Lamiaceae



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Malabar plum (*Syzygium cumini*)  
Family: Myrtaceae



Mango (*Mangifera indica*)  
Family: Anacardiaceae



Mexican poppy (*Argemone mexicana*)  
Family: Papaveraceae



Moringa (*Moringa oleifera*)  
Family: Moringaceae



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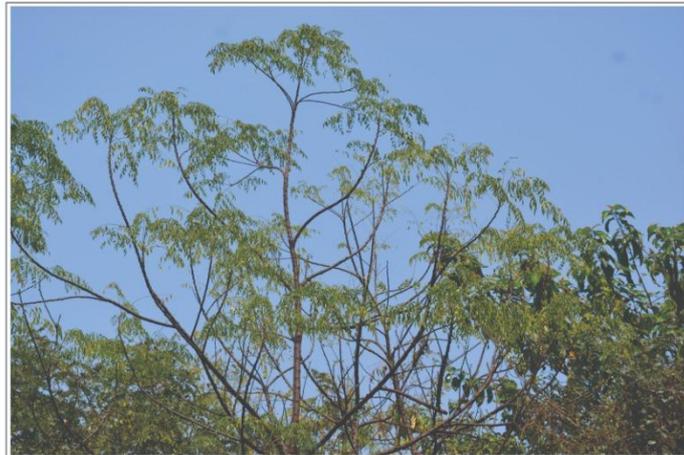
Blue-scarlet pimpernel  
(*Anagallis arvensis*)  
Family: Primulaceae



White morning glory  
(*Ipomoea obscura*)  
Convolvulaceae



Piyasal  
(*Pterocarpus marsupium*)  
Fabaceae



Chinaberry tree (*Melia azedarach*)  
Family: Meliaceae



Cluster Fig (*Ficus racemosa*)  
Family: Moraceae



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## Faunal Diversity



Indian grey mongoose  
(*Urva edwardsii*)  
Family: Herpestidae



Oriental Garden Lizard  
(*Calotes versicolor*)  
Family: Agamidae



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Greater coucal  
(*Centropus sinensis*)  
Family: Cuculidae



Red-vented bulbul  
(*Pycnonotus cafer*)  
Family: Pycnonotidae



Rose-ringed parakeet  
(*Psittacula krameri*)  
Family: Psittaculidae



Shikra  
(*Accipiter badius*)  
Family: Accipitridae



Yellow-footed green pigeon  
(*Treron phoenicoptaurus*)  
Columbidae



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## Activites of the Green and Campus Beautification Committee

### KJRGGDC: A Journey of Transformation from Grey to Green



**KJRGGDC IN 2015**



**KJRGGDC IN 2024**



**KJRGGDC IN 2016**



**KJRGGDC IN 2019**



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## Plantation and sapling distribution programme in the college

### Plantation programme on 24.08.2022



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## Plantation programme on 18.07.2018



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## Plantation programme on 08.07.2019



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Government of West Bengal  
Directorate of Forest  
Office of the Forest Range Officer  
Mejia Forest Range  
Under Bankura (North) Division

**TO WHOM IT MAY CONCERN**

This is to certify that Kabi Jagadram Roy Government General Degree College has been receiving tree specimens (saplings) from the forest department and the mentioned collage had taken up environment awareness and tree plantation programs in their campus in the past eight years. We're happy to share that these continuous efforts have led to the beautiful practice of creation as well as maintenance of a green campus amidst the coal-field. This practice not only raises awareness among the students, teachers and other stake holders towards a sustainable eco-friendly planet but also plays a pivotal role in recording and preserving the diversity of flora (including some endangered species i.e -Piasal, Asoka, Kusum, Mahua, Falsa etc.) of this province.

This certificate recognizes the green effort of Kabi Jagadram Roy Government General Degree College, under the guidance of Forest Department, by choosing to add more greens to our planet.

The Forest Department will continue to support this great program in the coming days.

*By 12/05/2024*  
**Forest Range Officer**  
**Mejia Range**  
FOREST RANGE OFFICER  
MEJIA RANGE



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Vermicompost Plant Unit for procuring organic manure from degradable waste:

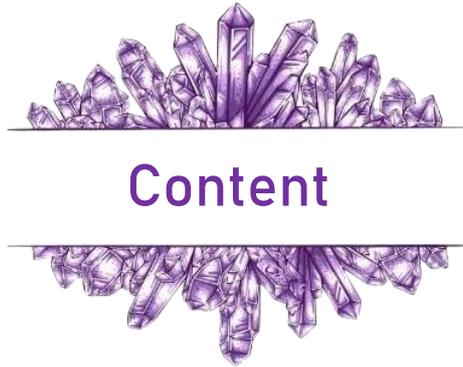


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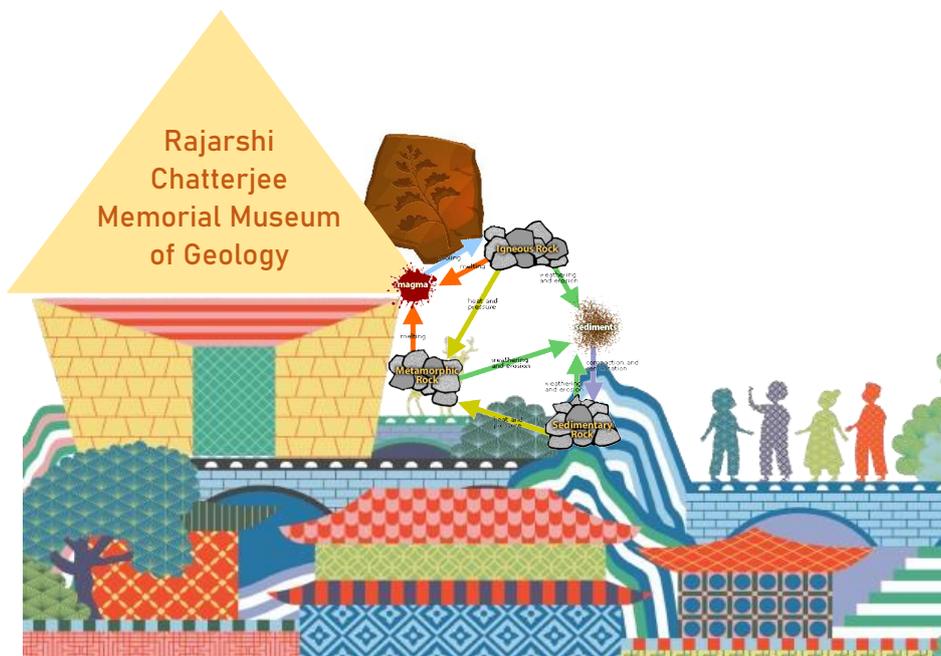


# Vasundhara

(Knowledge Dissemination through Museum of Geology)



| Sl. No | Topic: Overview of Geology Museum<br>( <a href="https://kjrggdc.ac.in/museum/">https://kjrggdc.ac.in/museum/</a> ) | Page No. |
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## Rajarshi Chatterjee Memorial Museum of Geology



Entrance of Museum



Interior of Museum



Faculty members and Students of Geology on the Inauguration Day

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VISITORS of MUSEUM



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**FEEDBACK FROM ACADEMICIAN, RESEARCHER,  
STUDENTS, INDUSTRIALIST**



Rajawadi Chatterjee Memorial Museum of Geology in the KJRGDC, Mejia is an excellent piece of initiative by the teachers of this college. Collection of rocks and minerals, Plant fossils including some very good Palaeontological samples are unique. Some very big sample specimens are worth to mention. The samples, maps made collections present in the museum are enough to create interest amongst the new batch of students. Some peeling sample from Modern sediments are worth to mention. I am pleased and happy to see the initiative of the teachers for developing the Geological Museum.

Sanku Sankar  
2/8/2022  
Dr. Sanku Sankar  
Professor  
Department of Geological Science  
Kabi Jagadram Roy Government Degree College  
Mejia - 722143



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Being a Geologist myself, I appreciate the efforts of the faculty members and students of the Geology department of KJR General Degree College, Mejia, in collecting the samples of rocks, minerals and fossils from different parts of India and in setting up such a fantastic Geological Museum in their college. Minerals, rocks and fossils tell the fascinating stories of the evolution of the earth in last millions to billions of years and we geologists are the only fortunate professionals who know how to read the stories. Geology is not taught in India at school level and higher studies in Geology or Earth Science are available in limited number of institutions. As a result, the subject is still lesser known among the school students and general people. It is heartening to know that the college allowing enthusiastic students from different schools and colleges from around the area to visit the geological museum. This will help to spread the awareness among the school students about the importance of the study of Earth Science. I congratulate the faculty members and students of the department and wish them all the best in their future endeavours.

Sankarajit Mukherjee  
Founder & Principal Consultant  
GeoRocks Consulting  
15.08.2022

The Rajarshi Chatterjee Memorial Museum of Geology at KJRSDC, Mejia exhibits a wide variety of items that makes one attracted to the subject. The museum holds in its collection items gathered by the Dept. of Geology, KJRSDC, Mejia as well as collected from other sources. This museum will be of great help for both the teaching and student community. May the museum grow in future and set an example to encourage others to set up similar such repositories.

Sankarajit Mukherjee  
15/08/2022  
DR. SANKARAJIT MUKHERJEE  
Assistant Professor, Dept. of Geology  
Durgam Government College

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Very good initiative, excellent work. Student of Geology, Geography as well as general visitors will surely appreciate the endeavour made by the department. The exhibits are surely Great interest on and about nature/rother earth.

Dr. Samiran Mahapatra 23/03/2022

DR. SAMIRAN MAHAPATRA  
ASSOCIATE PROF & HEAD  
DEPARTMENT OF GEOLOGY  
HOOGHLY MOHINI COLLEGE

The geological museum of Kabi Jagadram Roy Govt. General Degree College has nice collections of minerals, rocks, fossils and other important instruments and 3-D blocks that are very beneficial to students and is a wonderful initiative by the department of Geology in spite that the college is a newly developed one. Thank you for inviting me to the museum.  
Warm regards,

Lovely Butayan 28.03.22  
Asst. Prof. (Geology)  
Shahid Matangini  
Hazra Govt. Gen. Deg.  
College for Women

Assistant Professor  
Shahid Matangini Hazra Government  
General Degree College for Women  
Chandernagore, Kolkata, West Bengal  
Tarak, Purna Mohanpur

I visited the museum and it makes me impressed because of its fabulous collection especially those collection which are collected from local research work. Unambiguously speaking that the Dept. of Geology, Kabi Jagadram Roy Govt. Degree College in West Bengal excellently and prepared their museum with their own own effort. I am giving my best wishes for future growth of this museum.

Sujay Saha 02/01/2023

Chhatra Chaudhary  
Mahendrapal  
Chhatra, Bankura  
govt.

I Dr. Pinaki Roy along with twelve (12) students of the Dept. of Geology, Durgapur Government College has visited the Rajarshi Chatterjee Memorial Museum of the Dept. of Geology, Kabi Jagadram Roy General Degree College on Earth Day (22nd April, 2023) celebration on 24th April 2023. I have found the museum is very much attractive for the students' inquisitiveness. They have been educated with the different minerals and especially coal collections. Fossil collections especially from Gondwana sequence of adjoining region. I personally appreciate this endeavour.

Dr. Pinaki Roy 24/04/2023

DR. PINAKI ROY (WBES)  
Assistant Professor  
Department of Geology  
Durgapur Government College  
Durgapur - 713214, W.B.

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The Geological Museum of Kabi Jagadram Roy Govt. General Degree College showcases Earth's wonders, providing a captivating journey through geological history. Its comprehensive exhibits offer a deeper understanding and appreciation of our planet's geological richness.

The museum stands as a testament to College's commitment to academic excellence and promotion of scientific knowledge.

Thank you!

Biswajit Ghosal  
Assistant Consultant  
Tata Consultancy Services

The Geological museum of Kabi Jagadram Roy Govt. General Degree College is well maintained & well decorated. It tells about the Earth's evolution history. The museum covers every aspect of Geological Science. The fossils samples collected by the Professors of this college that is very good.

The Professors of this college are excellent they work very hard to decorate the museum. I want to visit this college again & again.

Sarifa Khatun  
Assistant Professor  
Presidency College,  
Kolkata - 73

The museum of Geology housed within the premises of the Kabi Jagadram Roy Government General Degree College, Mejia is a storehouse of different kind of rock specimens and it really is a pleasant experience for me to visit it, as I am completely a layman. The faculty have done an excellent job in procuring and exhibiting these. As a student & person like me who teach a humanities subject, this was indeed a great learning experience.

29/03/2023  
Mejia

Nandini  
(Nandini Jana)  
Associate Professor of  
History  
Durgapur Government College

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ATTENDANCE SHEET FOR VISITORS

Kabi Jagadram Roy Govt. General Degree College, MEJIA – 722143  
Department of Geology  
Visit to Rajarshi Chatterjee Memorial Museum of Geology

Date of visit: 13.12.2022

| Sl. No. | Name             | Visitor's details | Signature        |
|---------|------------------|-------------------|------------------|
| 1.      | Subhankar Modak  | DGC               | Subhankar Modak  |
| 2.      | Nipa Sen         | DGC               | Nipa Sen         |
| 3.      | Koyel Mondal     | S.M.H.G.G.D.C.W   | Koyel Mondal     |
| 4.      | Sanchita Mudi    | S.M.H.G.G.D.C.W   | Sanchita Mudi    |
| 5.      | Anwesha Maity    | S.M.H.G.G.D.C.W   | Anwesha Maity    |
| 6.      | Priyanka Bhowmik | S.M.H.G.G.D.C.W   | Priyanka Bhowmik |
| 7.      |                  |                   |                  |
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Kabi Jagadram Roy Govt. General Degree College, MEJIA – 722143  
Department of Geology  
Visit to Rajarshi Chatterjee Memorial Museum of Geology

Date of visit: 24.04.2023 (Students and Teacher of Durgapur Govt. College)

| Sl. No. | Name                | Visitor's details                             | Signature           |
|---------|---------------------|---|---------------------|
| 1.      | Subhankar Basuman   | Durgapur Govt college                         | Subhankar Basuman   |
| 2.      | NRANJAN ROY         | Durgapur govt college                         | Nranjan Roy         |
| 3.      | NK ANAMU RAHMAN     | Durgapur Govt. Collge                         | Nk Anamul Rahman    |
| 4.      | PRABHAT DHIBAR      | Durgapur Govt. college                        | Prabhat Dhibar      |
| 5.      | KOUSTUB SARKAR      | Durgapur Govt. College                        | Koustub Sarkar      |
| 6.      | SAYAN KUMAR DAN     | Durgapur Govt. College                        | Sayan Kumar Dan     |
| 7.      | SHREYA MITRA        | DURGAPUR GOVT. COLLEGE                        | Shreya Mitra        |
| 8.      | SUPRIYA DAS KARKAR  | Durgapur Govt. College                        | Supriya Das Karkar  |
| 9.      | SICHITA SARKAR      | Durgapur Govt. College                        | Sichita Sarkar      |
| 10.     | SAMBIT BHATTACHARYA | Durgapur Govt. College                        | Sambit Bhattacharya |
| 11.     | ASIM MISHRA         | Durgapur Govt. College                        | Asim Mishra         |
| 12.     | ISHAN BANERJEE      | Durgapur Govt. College                        | Ishan Banerjee      |
| 13.     | DR. PINAKI ROY      | Assistant Professor<br>Durgapur Govt. College | Dr. Pinaki Roy      |
| 14.     |                     |   |                     |
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| 35.     |                     |   |                     |

24/04/2023  
DR. PINAKI ROY (WBES)  
Assistant Professor  
Department of Geology  
Durgapur Government College  
Durgapur - 713214, W.B.

Officer-in-Charge  
Kabi Jagadram Roy Govt. General Degree College  
Mejia-722143, Dist-Bankura, W.B.





**Consolidated sheet for the collection of specimens in the  
“Rajarshi Chatterjee Memorial Museum of Geology”**

| Item Name             |                    | Numbers of Samples         |    |
|-----------------------|--------------------|----------------------------|----|
| Igneous Rock          |                    | 14                         |    |
| Metamorphic Rock      |                    | 14                         |    |
| Sedimentary Rock      | Siliciclastic      | 17                         |    |
|                       | Carbonate          | 10                         |    |
|                       | Coal Sample        | 2+ 1 ball coal+1 coal Ball |    |
| Mineral Sample        | Rock Forming       | 19+ Hardness box           |    |
|                       | Decorative samples | 18                         |    |
| Ore Sample            | Polished Block     | 12                         |    |
|                       | Unpolished Sample  | 14                         |    |
| Fossil Sample         | shells             | Bivalve                    | 13 |
|                       |                    | Gastropod                  | 23 |
|                       |                    | Brachiopod                 | 3  |
|                       |                    | Echinoids                  | 3  |
|                       | coral              | 6                          |    |
| Plant Fossil          |                    | 22                         |    |
| Equipment             |                    | 12                         |    |
| Wooden Block          |                    | 24                         |    |
| Microscope            |                    | 2                          |    |
| Globe                 |                    | 1                          |    |
| Digital Slide Caliper |                    | 1                          |    |
| Miscellaneous         |                    | 2                          |    |

*Kuani*  
03/05/2023.  
Head  
Department of Geology  
Kabijagadram Roy Govt. General Degree College  
Mejia-722143 Dist-Bankura. W.B



*03/05/2023*  
Officer - in - Charge  
Kabijagadram Roy Government General Degree College  
Mejia - 722143, Dist. - Bankura. W.B

# Sample Catalog of Specimens in Museum

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## **RAJARSHI CHATTERJEE MEMORIAL MUSEUM OF GEOLOGY**

## Bengal Anorthosite



Date of Collection: December, 2018; Place of Collection: Saltora; Collector: Faculty member of Geology

Geology of the Specimen: This rock type is a narrow 40 km long, "tadpole-shaped" massif that occurs within granulite facies rocks of the Proterozoic Chotanagpur Gneissic Complex at the eastern margin of the Indian shield.

## Amygdaloidal Basalt



### Purchased Sample

**Geology of the Specimen:** Magmas generally contain dissolved gas, which can form bubbles in the magma as the pressure is released on eruption. These bubbles can get trapped in the solidified rock. After some time, groundwater or hot solutions connected with the volcanic activity pass through the porous lava and deposit crystals in the open cavities, which gradually fill up with quartz, calcite or other minerals called zeolites. Filled cavities in lavas are called amygdales, and a rock full of them can be called amygdaloidal.

## Volcanic Tuff



### Purchased Sample

**Geology of the Specimen:** Volcanic tuff is a type of igneous rock, formed from material ejected during an explosive volcanic eruption. Closer to the vent, a tuff is likely to contain larger blocks of material catapulted from the volcano in a matrix of ash. Further away from the vent, tuff deposits are more likely to be exclusively made from fine volcanic ash particles, carried by the wind.

## Lamprophyre



### Purchased Sample

**Geology of the Specimen:** A group of hypabyssal igneous rocks characterized by abundant primary hydrous silicates in phenocrysts and/or groundmass, lacking felsic phenocrysts, usually occurring in dykes.

## Trachyte



### Purchased Sample

**Geology of the Specimen:** A light-colored, very fine-grained extrusive igneous rock that is composed chiefly of alkali feldspar with minor amounts of dark-colored minerals such as biotite, amphibole, or pyroxene.

Compositionally, trachyte is the volcanic equivalent of the plutonic (intrusive) rock syenite.

## Pegmatite



Date of Collection: March, 2023; Place of Collection: Raghunathpur, Purulia ; Collector: Students of Geology

Geology of the Specimen: It is a common plutonic rock, of variable texture and coarseness, that is composed of interlocking crystals of widely different sizes

## SPHEROIDAL WEATHERING



**Date of Collection:** December, 2015; **Place of Collection:** Jitpur, Jharkhand; **Collector:** students of Geology

**Geology of the specimen:** Collected from Talchir Boulder Bed, Lower Gondwana (Permo-Carboniferous)

**Mechanism:** As weathering progresses, concentric layers of rock peel off or exfoliate from the surface, similar to the layers of an onion. This happens because the outer layers expand and contract more than the inner layers due to temperature fluctuations, causing them to separate and fall off.

## Glaucanitic Sandstone



Date of Collection: December, 2021; Place of Collection: Madhya Pradesh; Collector: Faculty member of Geology  
Geology of the Specimen: Age of the sample is Mesoproterozoic. Alteration of planar and cross lamination of Lower  
Quartzite Glaucanitic Sandstone

## Intraformational Conglomerate



Date of Collection: December, 2021; Place of Collection: Madhya Pradesh; Collector: Faculty member of Geology  
Geology of the Specimen: Age of the sample is Mesoproterozoic. Form within a sedimentary sequence when earlier-deposited sediments are eroded, transported, and re-deposited within the same depositional environment, creating conglomerates from fragments of the original layers.

## Nummulites



### Purchased Sample

**Geology of the Specimen:** Age of the sample is Cenozoic. A nummulite is a large lenticular fossil, characterized by its numerous coils, subdivided by septa into chambers. They are the shells of the fossil and present-day marine protozoan Nummulites, a type of foraminiferan.

## Salt Pseudomorphs



Date of Collection: **March, 2022**; Place of Collection: **Madhya Pradesh**; Collector: **Faculty member of Geology**  
Geology of the Specimen: **Age of the sample is Mesoproterozoic. Salt pseudomorphs form when halite crystals dissolve in a hypersaline environment, leaving molds that are later infilled by sediment as the water evaporates.**

## **Stromatolites: Oldest Evidence of Life on Earth**



**Date of Collection:** March,2022; **Place of Collection:** Madhya Pradesh; **Collector:** Faculty member of Geology  
**Geology of the Specimen:** Age of the sample is Mesoproterozoic. Stromatolites are layered sedimentary formations created by the growth of cyanobacteria, trapping and binding sediment particles.

## Molds of Conus and Ammonites



**Ammonite (right and left one) Specimen:** Date of Collection: March, 2019; Place of Collection: Kutch, Gujrat; Collector: Faculty member of Geology. **Geology of the Specimen:** Age of the sample is Mesozoic. Ammonites are extinct marine mollusks with spiral shells, belonging to the cephalopod class, and are commonly found as fossils, used to date geological strata.

**Conus (middle one) Specimen:** Purchased Sample.

**Geology of the Sample:** Conus is a genus of marine mollusks snails known as cone snails, characterized by their conical shells and potent venom, used to capture prey.

## Lignite, Bituminous and Ball Coal



Sample Name: Lignite  
(Purchased Sample)  
Earlier stage of Coal



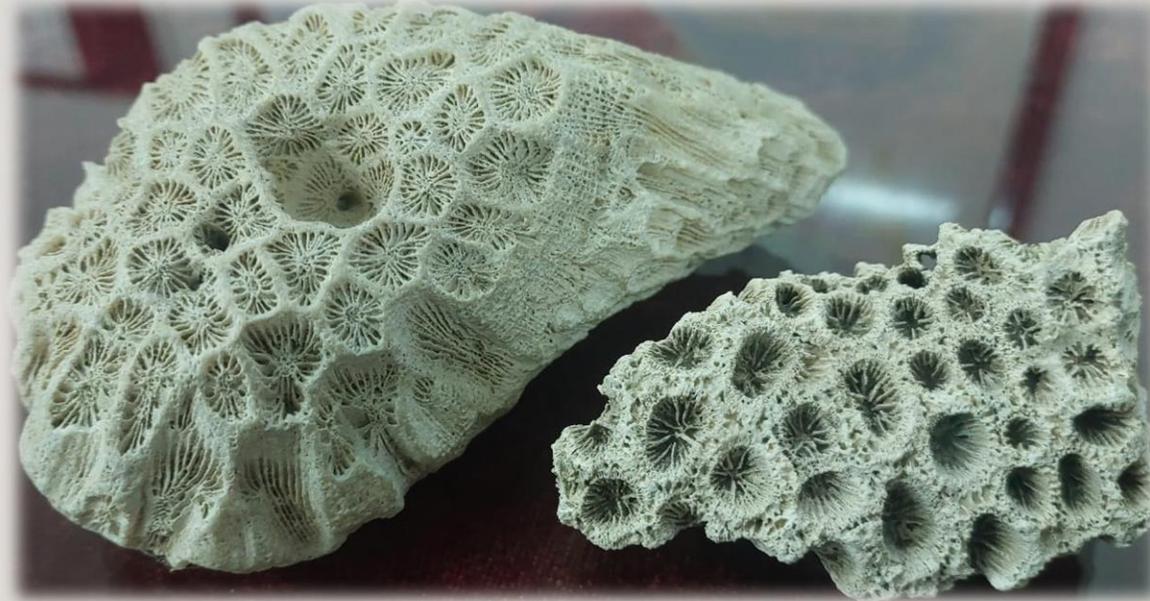
Date of Collection: March, 2019; Place of Collection: Ramnagar, Colliery, Asansol; Collector: Students of Geology

Geology of the Specimen: Age of the sample is Gondwana.

Bituminous Coal: Raniganj Basin, best quality coal in the world.

Ball Coal: Ball coal refers to spherical nodules of coal found within certain coal seams, typically formed from the compaction and cementation of organic material.

## Corals



Date of Collection: May,2015; Place of Collection: Mauritius, East Africa; Collector: Faculty member of Geology.  
Geology of the Specimen: Age of the sample collected from living coral reef. Coral consists of marine invertebrates in the class Anthozoa that form large colonies.They build calcium carbonate skeletons, creating reefs that provide habitat for diverse marine life.

## Gastropod Cell



**Date of Collection:** December 2019; **Place of Collection:** Chandipore, Orissa; **Collector:** Faculty member of Geology.  
**Geology of the Specimen:** Age of the samples are recent. Tonna is a genus of large sea snails in the family Tonnidae, characterized by their thin, globular shells. They are predatory marine gastropods commonly known as tun shells

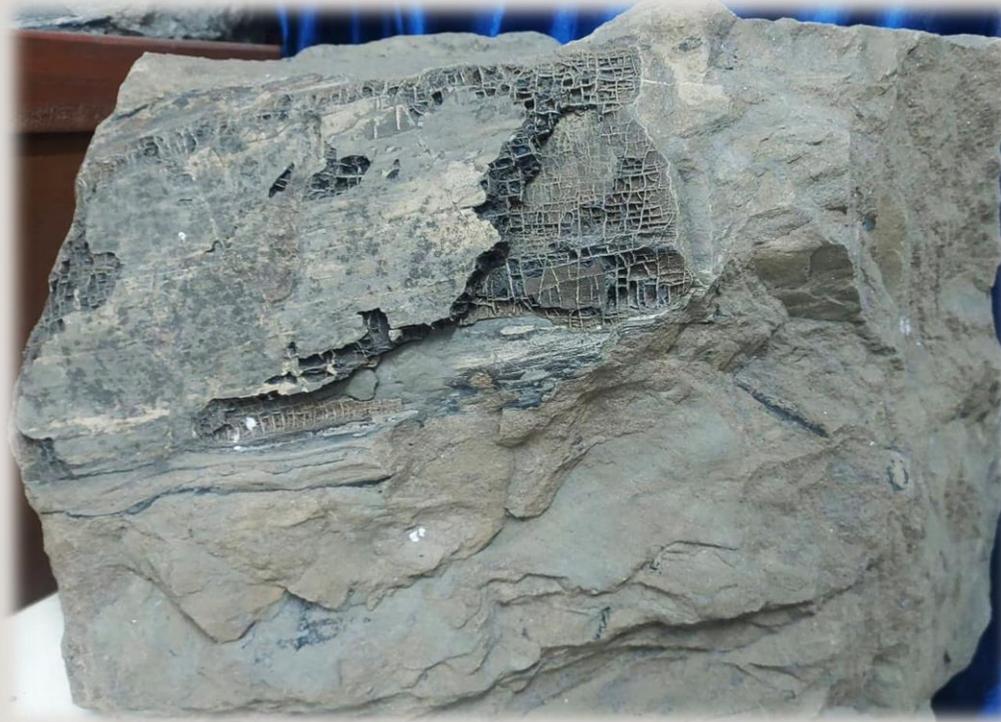
## Wood Fossil



Date of Collection: March, 2024;  
Place of Collection: Ilambazar,  
Birbhum; Collector: Students of  
Geology.

Geology of the Specimen: Age of  
the samples are Miocene. A wood  
fossil, or petrified wood, forms  
when wood is buried by sediment  
and mineral-laden water permeates  
it, replacing organic material with  
minerals, preserving the wood's  
structure.

## Petrified Stem



Date of Collection: March, 2023; Place of Collection: Beside the College, bank of River Damodar;  
Collector: Students of Geology.

Geology of the Specimen: Age of the samples are Lower Gondwana. A fossilized stem is a preserved plant stem that has undergone fossilization, where organic material is replaced by minerals (here it is Coal), retaining the original structure and morphology of the stem.

## Lower Gondwana Flora



Date of Collection: **March,2023**; Place of Collection: **Beside the College, bank of River Damodar**;  
Collector: **Students of Geology**.  
Geology of the Specimen: **Age of the samples are Lower Gondwana**.  
Assemblage of **Glossopteris and Gangamopteris**

## Geological Fold in Gneiss



Date of Collection: September, 2022; Place of Collection: Panchet Dam; Collector: Students of Geology.

Geology of the Specimen: Age of the samples are Precambrian. An Z/S-shaped fold in gneiss refers to a structural formation where the rock layers have been deformed into a pattern resembling the letter "Z/S".

## Amethyst: A Gem Stone



### Purchased Sample

**Geology of the Specimen:** Amethyst is a purple variety of quartz, valued as a semiprecious gemstone. Its color ranges from light lavender to deep violet, resulting from iron impurities and irradiation.

## Scolecite: A Gem Stone



### Purchased Sample

**Geology of the Specimen:**  
Scolecite is a white to colorless, radiating mineral from the zeolite group, often used as a gemstone. It forms slender prismatic crystals and is known for its silky luster.

## Stilbite



### Purchased Sample

**Geology of the Specimen:** Stilbite is a mineral from the zeolite group, typically forming in sheaf-like aggregates or tabular crystals. It is often white or pink, with a pearly luster, and is commonly found in volcanic rocks.

## Apophyllite



### Purchased Sample

**Geology of the Specimen:**  
Apophyllite is a mineral group that forms transparent to translucent crystals, typically colorless, white, or green. It often occurs in basalt and other volcanic rocks and has a pearly luster.

*To be Continued.....*

Please Do Visit Our Museum....  
A Mystic Corner of The College

