



RANGAPARA COLLEGE, RANGAPARA

ৰঙাপৰা মহাবিদ্যালয়, ৰঙাপৰা

(Affiliated to Gauhati University, UGC Recognised under 2(f) & 12 (B))

P.O.- Rangapara, Dist - Sonitpur 784 505

Dr. Ranjan Kalita, M.A. MMC, Ph.D.

Principal

&

Research Supervisor, G.U.

94351 80914
99543 87 932

Ref No.

Date

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Office of the Principal
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Sl. No	Name and Location of the Facility	Link to the Document
1	Policy for Green Campus	Please Click
2	Green Audits	Please Click
	Green Audit 2020-21	Please Click
	Green Audit 2019-20	Please Click
3	SOP and Safety Rules on Chemical Uses and Waste Management	http://rangaparacollege.com/uploads/iqac/IQAC_329.pdf
4	Waste Management Policy	http://rangaparacollege.com/uploads/iqac/IQAC_330.pdf
5	Celebration of Earth Day on 22-04-2019	http://rangaparacollege.com/uploads/iqac/IQAC_331.pdf
6	Celebration of World Environment Day, 2020 by NSS	http://rangaparacollege.com/uploads/iqac/IQAC_332.pdf
7	Celebration of World Environment Day, 2021 by NSS	http://rangaparacollege.com/uploads/iqac/IQAC_333.pdf
8	Celebration of World Environment Day, 2022	http://rangaparacollege.com/uploads/iqac/IQAC_334.pdf
9	An Interactive Session on Global Warming and Climate Change on 18-12-2021	http://rangaparacollege.com/uploads/iqac/IQAC_335.pdf
10	National Seminar on Biodiversity Crisis: Do we have any rescue plans for nature? On 05-08-2021	http://rangaparacollege.com/uploads/iqac/IQAC_336.pdf
11	Coexistence for Existence: Interaction Programme with the students of Rangapara College on the occasion of World Environment Day	http://rangaparacollege.com/uploads/iqac/IQAC_337.pdf
12	Environmental Promotional Activity on Human Elephant Conflict at Nameri National Park on 15-03-2022	http://rangaparacollege.com/uploads/iqac/IQAC_338.pdf
13	Workshop on Impact of Hazardous Chemicals & Bioaccumulation on 11-05-2022	http://rangaparacollege.com/uploads/iqac/IQAC_339.pdf
14	Performance of a Street drama on Man-Elephant Conflict on 12-08-2022	http://rangaparacollege.com/uploads/iqac/IQAC_340.pdf
15	Year wise Report on the works done by the Green Audit Initiative	http://rangaparacollege.com/uploads/iqac/IQAC_341.pdf
16	MoU on E-waste Management	Please Click
17	Observation of Forest Day, 2022	http://rangaparacollege.com/uploads/iqac/IQAC_342.pdf

Identification of Flora and Fauna in the College Campus


3.2 FLORAL DIVERSITY IN THE CAMPUS

Plants are considered as critical resources as they support life on earth in various ways. They release oxygen (O₂) into the atmosphere while absorb Carbon dioxide (CO₂) and provide habitat and food for wildlife and human. They also regulate the water cycle on the earth. The study of plants and their function could be considered as most complex interactions. Plants are also important in the regulation of global climate change. Trees control the atmospheric temperature. Light emitted from Sun contributes to the warming of the atmospheric temperature. Plants present on the earth's surface absorb the solar radiation and it also reduces the amount of heat produced and reflected into the surrounding environment.

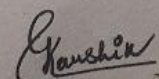
The College campus is located on the west part of the Tezpur city of Assam, India. The coordinate of the College is 26°49'23.4" N to 92°43'39.5"E. The College campus is very rich in its floral diversity. Diversity of plants enhanced the beauty of the campus. In our College campus most of the plants are old and planted in the north east side of the college boundary. Plants are planted through various plantation programmes with the help of the students, staffs and the various guests who have visited the campus. The canopy of the trees changes with the season. In spring, the seasonally planted flowers make the campus very eye catchy. The front part of the campus is having different fruit trees that bring some of the wild animals such as monkey, squirrel etc. to the campus.

A study conducted in 2019-20 has revealed the rich diversity of plant species which includes 39 species of trees, 23 species of shrubs, 14 species of herbs, and 3 species of climbers in the College campus. The census and identification of the floras are conducted by B.Com 3rd semester students with the guidance of Mrs. Joon Moni Haloi, Assistant Professor, Dept. of Environmental Science in the month of September 2019.

Later, in 2020-21, 55 saplings of Bokul (Spanish Cherry), Krishnachura (Royal Poinciana) were newly planted in the campus. 14 newly jointed faculties of Science stream planted 14 Spanish Cherry in between the area of Science block and RUSA building.


(Dr. Ranjan Kalita)
Principal
Rangapara College

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(COORDINATOR)

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Table-4: List of plant species (trees, shrubs and herbs) found in Rangapara college campus



Trees

No	Family	English Name	Local Name (Assamese)	Scientific Name
1.	Anacardiaceae	Mango	Aam	<i>Mangifera indica</i>
2.	Moraceae	Jack fruit	Kothal	<i>Artocarpusheterophyllus</i>
3.		Ficus	Aahot	<i>Ficus religiosa</i>
4.		Cluster fig	Joggodumur	<i>Ficus racemosa</i>
5.		Fig	Anjeer	<i>Ficus carica</i>
6.		Phyllanthaceae	Indian gooseberry	Amlokhi
7.	Sapotaceae	Spanish cherry	Bokul	<i>Mimusops elengi</i>
8.	Myrtaceae	Guava	Madhurium	<i>Psidium guajava</i>
9.		Java plum	Jamun	<i>Syzygium cumini</i>
10.		Eucalyptus	Eucalyptus	<i>Eucalyptus globulus</i>
11.	Fabaceae	Golden Shower	Shonaru	<i>Cassia fistula</i>
12.		Royal Poinciana	Krishnachura	<i>Delonix regia</i>
13.		Pongam Oil tree	Pongam Oil	<i>Millettia pinnata</i>
14.		Black Locust	Black Locust	<i>Robinia pseudoacacia</i>
15.	Annonaceae	Deodar cedar	Debadaru	<i>Polyalthia longifolia</i>
16.	Meliaceae	Neem	Neem	<i>Azadirachta indica</i>
			Metha Neem	<i>Melia azedarach</i>
17.	Oleaceae	Olive	Jolfai	<i>Olea europaea</i>
18.	Combretaceae	Arjuna	Arjun	<i>Terminalia arjuna</i>
19.		Indian almond	Shilikha	<i>Terminalia chebula</i>
20.	Araucariaceae	Hoop pine	Pine	<i>Araucaria cunninghamii</i>
21.	Oxalidaceae	Star fruit	Rohdoi	<i>Averrhoa carambola</i>
22.	Lythraceae	Azar	Azar	<i>Lagerstroemia speciosa</i>
23.	Rutaceae	Wood apple	Bel	<i>Limonia acidissima</i>
24.	Dipterocarpaceae	Saal tree	Saal	<i>Shorea robusta</i>
25.	Cycadaceae	Sago plum	Cycas	<i>Cycas revoluta</i>
26.	Lamiaceae	Teak	Segun	<i>Tectona grandis</i>
27.	Rubiaceae	Bur flower Tree	Kodom	<i>Adina cordifolia</i>
28.		Butten Bush	Honey bells	<i>Cephalanthus occidentalis</i>
29.	Santalaceae	Sandal	Chandan	<i>Santalum album</i>
30.	Apocynaceae	Black Board tree	Devils' tree	<i>Alstonias cholaris</i>
31.	Bignoniaceae	Cigar tree	Indian Bean tree	<i>Catalpa bignonioides</i>
32.	Magnoliaceae	Golden Champa	Titachapa	<i>Magnolia champaca</i>
33.	Verbenaceae	Coomb teak	Gomari	<i>Gmelinaar borea</i>

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Principal
Rangapara College

Koushik
(COORDINATOR)

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34.	Sinaroubaceae	Tree of Heaven	Borpaat	<i>Ailanthus altissima</i>
35.	Sapindaceae	Lichi	Lisu	<i>Litchi chinensis</i>
36.	Caricaceae	Papaya	Omita	<i>Carica papaya</i>
37.	Paulowniaceae	Sapphire dragon tree	Dragon tree	<i>Paulownia kawakamii</i>
38.	Clusiaceae	Garcinia cowa	Kudam Puli	<i>Garcinia gummi gutta</i>
39.	Cannabaceae	Chinese hack berry	Chinese hack berry	<i>Celtis sinensis</i>

Shrubs

Sl.	Family	English Name	Local Name	Scientific Name
1	Fabaceae	White orchid	Kanchan	<i>Bauhinia acuminata</i>
2	Apocynaceae	Yellow olinder	Korobiphool	<i>Cascabela thevetia</i>
3		Pink periwinkle	Pink nayantara	<i>Catharanthus roseus</i>
4	Rutaceae	Curry tree	Narasingha	<i>Murraya koenigii</i>
5		Orange	Komola	<i>Citrus sinensis</i>
6	Oleaceae	Night blooming jasmine	Sewali	<i>Nyctanthes arbour tristis</i>
7		Winter jasmine	Khorikajai	<i>Jasminum multiflorum</i>
8	Malvaceae	China rose	Joba	<i>Hibiscus rosasinensis</i>
9		Wax mallow	Wax mallow	<i>Malvaviscus arboreus</i>
10	Rubiaceae	Crepe jasmine	Tagor	<i>Gardenia jasminoides</i>
11	Asteraceae	Gerberia	Gerberia	<i>Gerbera jamesonii</i>
12	Rosaceae	Rose	Gulap	<i>Rosa damascena</i>
13		Peach	Nora bogori	<i>Prunu spersica</i>
14	Rhamnaceae	Jujube	Bogore	<i>Ziziphus jujuba</i>
15		Henena	Jetuka	<i>Nesiota elliptica</i>
16	Arecaceae	Areca palm	Mumaitamul	<i>Dypsis lutescens</i>
17	Euphorbiaceae	Milk hedge plant	Hiju	<i>Euphorbia nerifolia</i>
18	Bibnoniaceae	Tecoma	Tecoma	<i>Tecoma stans</i>
19	Verbenaceae	Golden dew drop	HejGos	<i>Duranta erecta</i>
20		West Indian lantana	Lantana	<i>Lantana camara</i>
21	Asparagaceae	Caribbean agave	Caribbean agave	<i>Agave angustifolia</i>
22	Urticaceae	Lipangkalabaw	Lipa tree	<i>Dendrocnide meyeniana</i>
23	Melastomataceae	Indian rhododendron	Rhododendron	<i>Melastoma malabathricum</i>

Climbers

Sl.	Family	English Name	Local Name	Scientific Name
1	Rubiaceae	Starviolet	Bhadai Lota	<i>Hedyotis candens</i>
2	Araceae	Money Plants	Money Plants	<i>Epipremnum aureum</i>
3	Asteraceae	Bitter Vine	Japani Lota	<i>Mikaniami crantha</i>

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(Dr. Ranjan Kalita)
Principal
Rangapara College

G. Koushik
(COORDINATOR)

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Herbs

No.	Family	English Name	Local Name	Scientific Name
1	Apiaceae	Indian pennywort	Manimuni	<i>Centella asiatica</i>
2	Amaranthaceae	White goose foot	Jilmil	<i>Chenopodium album</i>
3	Plantaginaceae	Brahmi	Brahmi	<i>Bacopa monnieri</i>
4	Saururaceae	Fishmint	Masandri	<i>Houttuynia cordata</i>
5	Lamiaceae	Durun	Durun	<i>Leucas aspera</i>
6	Asphodelaceae	Aloe vera	Sal kuwari	<i>Aloe vera</i>
7	Araceae	Elephant ear	Kala kachu	<i>Colocasia esculenta</i>
8		Dumb cane	Dumb cane	<i>Dieffenbachia seguine</i>
9	Fabaceae	Touch me not	Lajukilota	<i>Mimosa pudica</i>
10	Asteraceae	Wild cosmos	Ulam raja	<i>Cosmos caudatus</i>
11	Marantaceae	Medallion calanthea	Medallion	<i>Calathea veitchiana</i>
12	Agavaceae	Ti plant	Ti plant	<i>Cordyline fruticosa</i>
13	Musaceae	Banana	Kol	<i>Musa acuminata</i>
14	Crassulaceae	Miracle leaf	Duportenga	<i>Bryophyllum pinnatum</i>

3.3 FAUNAL DIVERSITY

Rangapara College is located in the northern bank of the river Brahmaputra at the junction of Himalayan and Indo-Burma biodiversity hotspot region. The area falls under the Sub-tropical climatic region and heavy rainfall occurs during the summer season i.e. from the month of May to August with a mean average temperature of 25⁰ C to 32⁰C. Such type of climatic condition is favourable for distribution of wide variety of flora and fauna. Being a part of the region, the College campus is also very rich in biodiversity. The campus also has an elephant corridor. For elephant corridor, College authorities decided to skip few land area of the campus for the movement of such animals. Also a small stream passes through the College campus. It enhances our college campus and gives shelter for some aquatic animals and also some birds like egrets, kingfisher etc. are come for searching for their food in the dry season.

A recent study on faunal variety of the campus is listed below. The identification of the floral species are conducted by Dr. Gitartha Kaushik, Assistant Professor, Dept. of Zoology, Rangapara College.

(Dr. Ranjan Kalita)
Principal
Rangapara College

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(G. Kaushik)
(COORDINATOR)

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Diversity of Insects:

Sl.	Family	English Name	Local Name	Scientific Name
1.	Tettigoniidae	Bush Cricket	Foring	<i>Tettigonia viridissima</i>
2.	Lycosoidea	Araneomorph spider	Mokora	Unidentified
3.	Cleridae	Beetle	Guborua	<i>Trichodes apiaries</i>
4.	Thaumetopoeidae	Caterpillars	Bisa	<i>Thaumetopoea processionea</i>
5.	Nymphalidae	Butterfly	Pokhila	<i>Hypolimnas bolina</i>
6.	Hesperiidae	Butterfly	Pokhila	<i>Pelopidas mathias</i>
7.	Nymphalidae	Butterfly	Pokhila	<i>Junonia atlites</i>
8.	Erebidae	Moth	Pook	<i>Syntomoides syntomoides</i>
9.	Acrididae	Grasshopper	Foring	<i>Chorthippus brunneus</i>
10.	Pentatomoidea	Shield bug	Pook	Unknown
11.	Nymphalidae	Butterfly	Pokhila	<i>Junonia almana</i>
12.	Papilionidae	Butterfly	Pokhila	<i>Papilio demodocus</i>
13.	Geometridae	Butterfly	Pokhila	<i>Dysphania militaris</i>
14.	Libellulidae	Slender skimmer	Jiya	<i>Orthetrum sabina</i>
15.	Apidae	Honey Bee	Mou	<i>Apis indica</i>
16.	Vespidae	Paper wasp	Borol	<i>Polistes olivaceus</i>

Diversity of Mollusca:

Sl.	Family	English Name	Local Name	Scientific Name
1.	Achatinidae	African giant snail	Hamuk	<i>Achatina fulica</i>

Diversity of Amphibians:

Sl.	Family	English Name	Local Name	Scientific Name
1.	Microhylidae	Balloon frog	Bhekuli	<i>Kaloula assamensis</i>
2.		Frog	Pat Beng	<i>Polypedates teraiensis</i>
3.		Frog	Chuk Bhekuli	<i>Duttaphrynus melanostictus</i>

Diversity of Reptiles:

Sl.	Family	English Name	Local Name	Scientific Name
1.	Colubridae	Checkered keelback	Dhora saap	<i>Fowlea piscator</i>
2.		Buff Striped keelback	Bamuni Dhora	<i>Amphiesma stolatum</i>
3.	Elapidae	Cobra	Chokori Feti	<i>Naja kaouthia</i>
4.		Cobra	Goom Feti	<i>Ptyas korros</i>
5.	Colubridae	Common Bronzeback	Karshola	<i>Dendrelaphis proarchus</i>
6.	Typhlopidae	Blind snake	Khonti Xaap	<i>Indotyphlops braminus</i>

Diversity of Annelida:

Sl.	Family	English Name	Local Name	Scientific Name
1.	Hirudinidae	Leach	Jook	<i>Hirudinaria manillensis</i>
2.	Lumbricidae	Earth worm	Kesu	<i>Lumbricus terrestris</i>

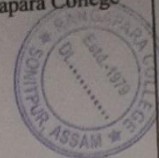
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(Dr. Ranjan Kalita)
Principal
Rangapara College

Gausik
(COORDINATOR)

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Diversity of Avian Fauna

Sl.	Family	English Name	Local Name	Scientific Name
1.	Sturnidae	Common myna	Hakila	<i>Acridotheres tristis</i>
2.	Columbidae	Common Dove	Kopou	<i>Streptopelia orientalis</i>
3.	Corvidae	Common Raven	Kauri	<i>Corvus corax</i>
4.	Ardeidae	Egret	Bogoli	<i>Ardea alba</i>
5.	Upupidae	Crown bird	Gubor Khusora	<i>Upupa epops</i>
6.	Alcedinidae	Kingfisher	Maasruka	<i>Alcedo atthis</i>
7.	Passeridae	House sparrow	Ghorsirika	<i>Passer domesticus</i>
8.	Motacillidae	White wagtail	Balimahi	<i>Motacilla alba</i>
9.	Psittaculidae	Indian parakeet	Bhatou	<i>Psittacula krameri</i>
10.	Muscicapidae	Magpie Robin	Robin Sorai	<i>Copsychus saularis</i>

Diversity of Mammals

Sl.	Family	English Name	Local Name	Scientific Name
1.	Elephantidae	Elephant	Hati	<i>Elephas maximus indicus</i>
2.	Cercopithecidae	Indian rhesus macaque	Bandor	<i>Macaca mulatta</i>
3.	Herpestidae	Indian Mongoose	Neol	<i>Herpestes edwardsi</i>
4.	Canidae	Jackal	Shiyal	<i>Canis aureus indicus</i>

Diversity of Ichthyofauna

Sl.	Family	English Name	Local Name	Scientific Name
1.	Cyprinidae	Common Carp	Common carp	<i>Cyprinus carpio</i>
2.	Synbranchidae	Eel	Kuchia	<i>Monopterusuchia</i>
3.	Cyprinidae	Barb	Puthi	<i>Puntius chola</i>
4.	Clariidae	Walking Catfish	Magur	<i>Clarias batrachus</i>
5.	Channidae	Snakehead	Sengeli	<i>Channa marulius</i>
6.	Osphronemidae	Dward gourami	Kholihona	<i>Trichogaster lalius</i>
7.	Osphronemidae	Gourami	Kholihona	<i>Trichogaster fasciata</i>
8.	Cobitidae	Loach	Botia	<i>Lepidocephalus guntea</i>
9.	Anabantidae	Climbing Perch	Kawoi	<i>Anabas testudineus</i>
10.	Cyprinidae	Mola carplet	Mua	<i>Amblypharyngodon mola</i>
11.	Cyprinidae	Slender Rasbora	Donikona	<i>Rasbora daniconius</i>
12.	Cyprinidae	Barb	Puthi	<i>Systemus sarana</i>
13.	Bagridae	Catfish	Shingora	<i>Mystus vittatus</i>

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(Dr. Ranjan Kalita)
Principal
Rangapara College

Gaushik
(COORDINATOR)

Air Quality of the College

Green Audit Report, IQAC, Rangapara College

It was seen that the quality of air in 2020 is much more healthier than 2019 and 2021 because in 2019 the whole world was suffering from Covid-19 pandemic and due to lockdown, there was less pollution.

Table-6: Air quality index of Rangapara college campus


Constituents	Air quality (AQI), 19	Air quality (AQI), 20	Air quality (AQI), 21
NO ₂	16 micro g/m ³	3 micro g/m ³	2.5 micro g/m ³
O ₃	19 micro g/m ³	5 micro g/m ³	18 micro g/m ³
PM _{2.5}	30.0 micro g/m ³	7 micro g/m ³	25 micro g/m ³
SO ₂	11 micro g/m ³	0 micro g/m ³	34.4 micro g/m ³
PM ₁₀	31.8 micro g/m ³	20 micro g/m ³	21 micro g/m ³
CO	134micro g/m ³	1 micro g/m ³	12 micro g/m ³
Humidity	81.0%	75.0%	77%
Barometric Pressure	1018.0 hPa	1019.0 hPa	1004 hPa
Wind Speed	4.16 m/s	3.8 m/s	4.0 m/s
Wind Direction	83.0 degree	80.0 degree	80.0 degree
Temperature	28°C	24°C	29°C

(Source: Pollution Control Board, Assam)

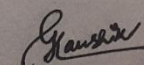
3.5.1 OBSERVATION

In the College campus the concentration of particulate matter (dust) with the annual mean PM₁₀ was found 31.8 micro g/m³ and annual mean PM₂₅ was 30 micro g/m³. According to WHO guideline of air quality index the concentration of particulate matter are much below the recommendation levels. Thus, the campus maybe considered as free from pollution and safe for the contenders. Lichens are well known as sensitive indicators of air pollution, particularly for SO₂. On this recent study we have found enormous amount of lichens on the plants surface.

It was found that during 2020, due to the COVID Pandemic and the global lockdown, air quality comprising the various constituents' decreases rapidly showing very low amount of pollutants in the atmosphere in the Rangapara area.


 (Dr. Ranjan Kalita)
 Principal
 Rangapara College

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 (COORDINATOR)

Water Quality of the College

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3.6 WATER QUALITY ANALYSIS

Water quality testing is important because it identifies contaminants and prevents water borne diseases. Essentially, water quality testing makes sure that water is safe and meets local and international water standards. This type of testing can be completed by using water sampling techniques and using technology to estimate the amount and levels of chemicals. To analysis the water quality of our college campus, the samples have been collected from a bourn, well and administrative building. A series of experiment have been carried out at a department of Chemistry; Darrang College under the supervision of Dr. Palashmoni Saikia, Associate Prof., Department of chemistry, Darrang College, Tezpur. The water samples have been collected on 26th September 2019. Also we tested heavy metals of water samples collected from the same station and experiments are carried out at NERIWALM, Tezpur under the supervision of Mr. Ritu Thakuria. This water samples have been collected on 1st October 2019.


In 2020-21, the samples were collected from the previously selected locations and all the analysis were done in NERIWALM, Tezpur, Sonitpur.

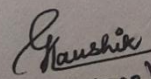
A comparative table on the water quality of Rangapara College is provided below:

Table-7: Water quality report of Rangapara College**

No	Parameter/WHO Permissible level	Observation value					
		2019-2020			2020-2021		
		Sam. 1	Sam. 2	Sam. 3	Sam. 1	Sam. 2	Sam. 3
1	Colour	Clear	Clear	Light Brown			
2	pH	5.73	5.67	6.49	6.69	6.66	6.81
3	Turbidity	0.37	0.39	0.59	194	128	52
4	Salinity	0.35	0.35	0.47	0.20	0.47	0.40
5	Conductance	0.59	0.59	0.68			
6	Fe	0.48	0.47	0.59	2.163	0.669	0.27
7	Na	194	195	176	2.27	3.82	5.99
8	K	6.74	6.52	5.98	2.96	1.91	1.42
9	Mg	23.35	23.87	21.06	3.62	1.36	2.02
10	Ca	65.76	64.09	74.98	6.63	4.13	7.22
11	F ⁻	BDL	BDL	BDL	0.191	0.069	0.139
12	Cl ⁻	132.22	130.89	156.07	0.004	0.009	0.004
13	NO ₃ ⁻	26.08	27.76	52.13	3.06	2.47	4.76
14	SO ₄ ⁻	198.34	176.23	202.82	6.888	33.292	1.664

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 (Dr. Ranjan Kalita)
 Principal
 Rangapara College


 (COORDINATOR)

Noise Level of the College

Green Audit Report, IQAC, Rangapara College

15	PO ₄ ³⁻	BDL	BDL	BDL	7.391	7.03	6.933
16	F	0.0354	0.104	0.0511	-	-	
17	As	BDL	BDL	BDL	BDL	BDL	BDL
18	Pb	BDL	BDL	BDL	0.245	0.242	0.223
19	Cd	BDL	BDL	BDL	BDL	BDL	BDL
20	Ni	BDL	BDL	BDL	BDL	BDL	BDL
21	BOD	0.5	-	0.3			

Sample-1: Collected from seasonal small stream in the campus.

Sample-2: Collected from Administrative building.

Sample-3: Collected from campus well.

Note: BDL- Below Detection Limit.

** Heavy metal tests are carried out at NERIWALM, Tezpur and a series of water experiments carried out by Department of Chemistry, Darrang College; Tezpur.


3.6.1 OBSERVATION

The college centrally stores water in an overhead concrete water reservoir of around 20,000 litres. The average daily consumption of water is around 30,000 litres. A traditional iron filter is attached to the central water reservoir. There are 141 water tapes out of which 6 tapes are damaged. The College maintained good drinking water facilities for students and faculties. Four (4) UV/RO filters are installed for drinking water though one was not found in working condition.

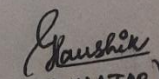
3.7 NOISE LEVEL STUDY IN THE RANGAPARA COLLEGE CAMPUS:

Noise is a term that used to describe for unwanted or excessive sound that can have deleterious effects on human health and environmental quality. Noise is measured in logarithmic units called decibels (dB). According to WHO; 45 dB is safe noise level for a city. For international standards a noise level up to 65 dB is considered as tolerable.

Now a day's noise pollution is a significant problem. Noise pollution in educational environment disturbs during study session and it produces problems to the teaching learning process and negatively affects the performance of both students and teachers. In this audit, an attempt has been made to study the level of noise pollution in the campus of our College. Generally the noise level should be in the range of 40 dB to 50 dB in and around an educational institution.


 (Dr. Ranjan Kalita)
 Principal
 Rangapara College

23


 (COORDINATOR)

Noise Level of the College

Green Audit Report, IQAC, Rangapara College

3.7.1 MATERIALS AND METHODS

To measure the noise level is around Rangapara College campus noise measuring app Noise Tube (version: 2.9.3) was used.

3.7.2 DATA COLLECTION

The data has been collected from 10 different points inside the campus with the help of Android mobile Vivo S1 using noise tube app. Version 2.9.3. Data collection centres are administrative building, commerce building, boys' common room, girls' commons, teachers' common room, girls' hostel, boys' hostel, canteen, library, main gate. At these points, measurement has been taken for duration of 60 seconds during the period 10 AM to 3 PM and screenshot of the measurements of noise level were taken in the device.

3.7.3 OBSERVATION

The results of the experiments are tabulated in the table 8. From the data it was found that the noise level in the College campus varies from one building to another. Maximum level of noise was recorded at boys' common room in both the years where average noise level was 75 in both 2019-20 and 2020-21.


Table-8 (a) : Noise level measurement at Rangapara College, 2019-2020

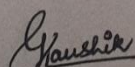
Sl. No	Place of experiment	Duration in seconds	Minimum(dB)	Maximum(dB)	Average(dB)
1	Administrative building	60	55	65	60
2	Commerce building	60	40	82	76
3	Boys' common room	60	43	85	75
4	Girls' common room	60	46	80	66
5	Teachers' common room	60	56	65	60
6	Boys' hostel	60	34	80	66
7	Girls' hostel	60	35	81	66
8	Canteen	60	67	74	70
9	Library	60	43	53	47
10	Main gate	60	63	74	68

Table-8 (b): Noise measurement at Rangapara College, 2020-2021

Sl. No	Place of experiment	Duration in seconds	Minimum(dB)	Maximum(dB)	Average(dB)
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(Dr. Ranjan Kalita)
Principal
Rangapara College


(COORDINATOR)



Plantation Drive to make the campus green



Plantation Drive to make the campus green



Plantation Drive to make the campus green



Plantation Drive to make the campus green



Plantation Drive to make the campus green



Plantation Drive to make the campus green

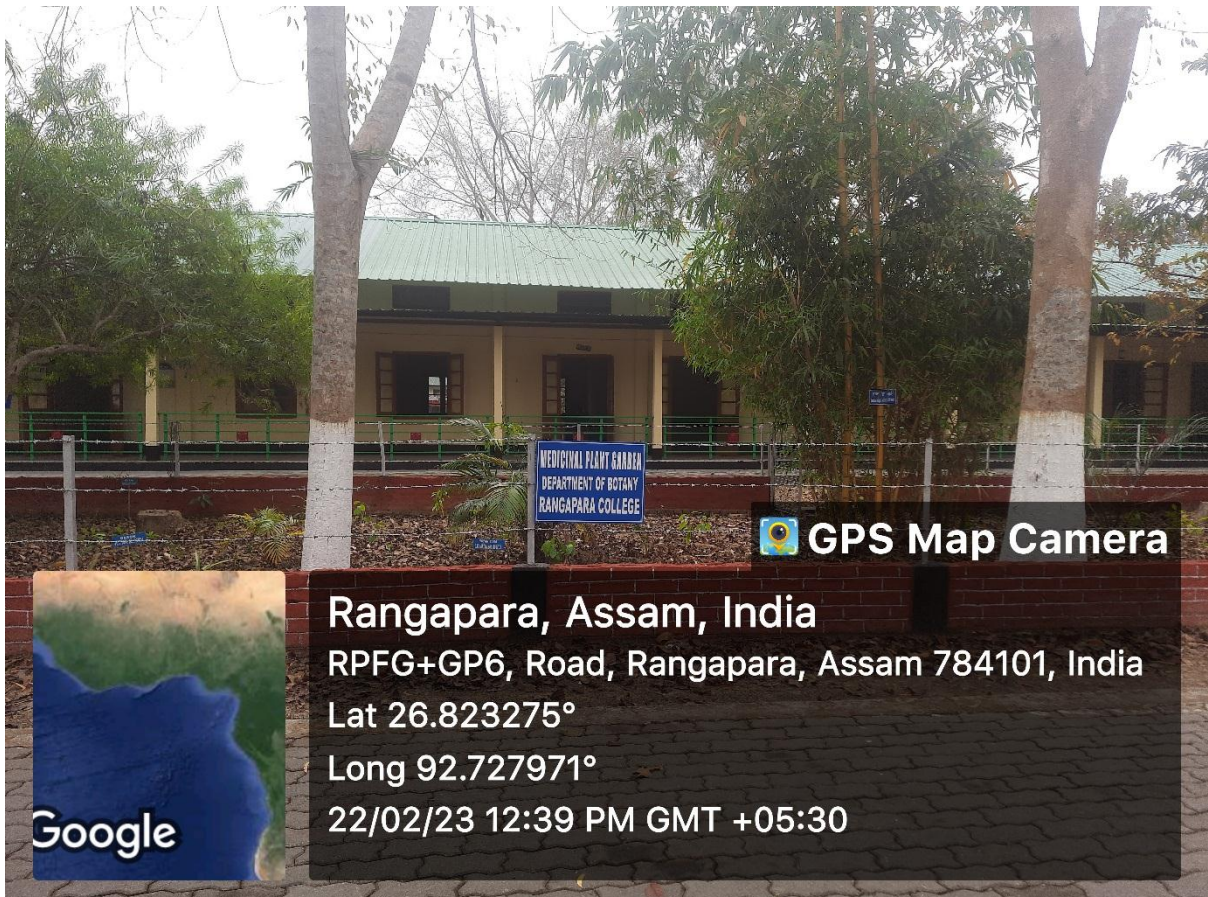
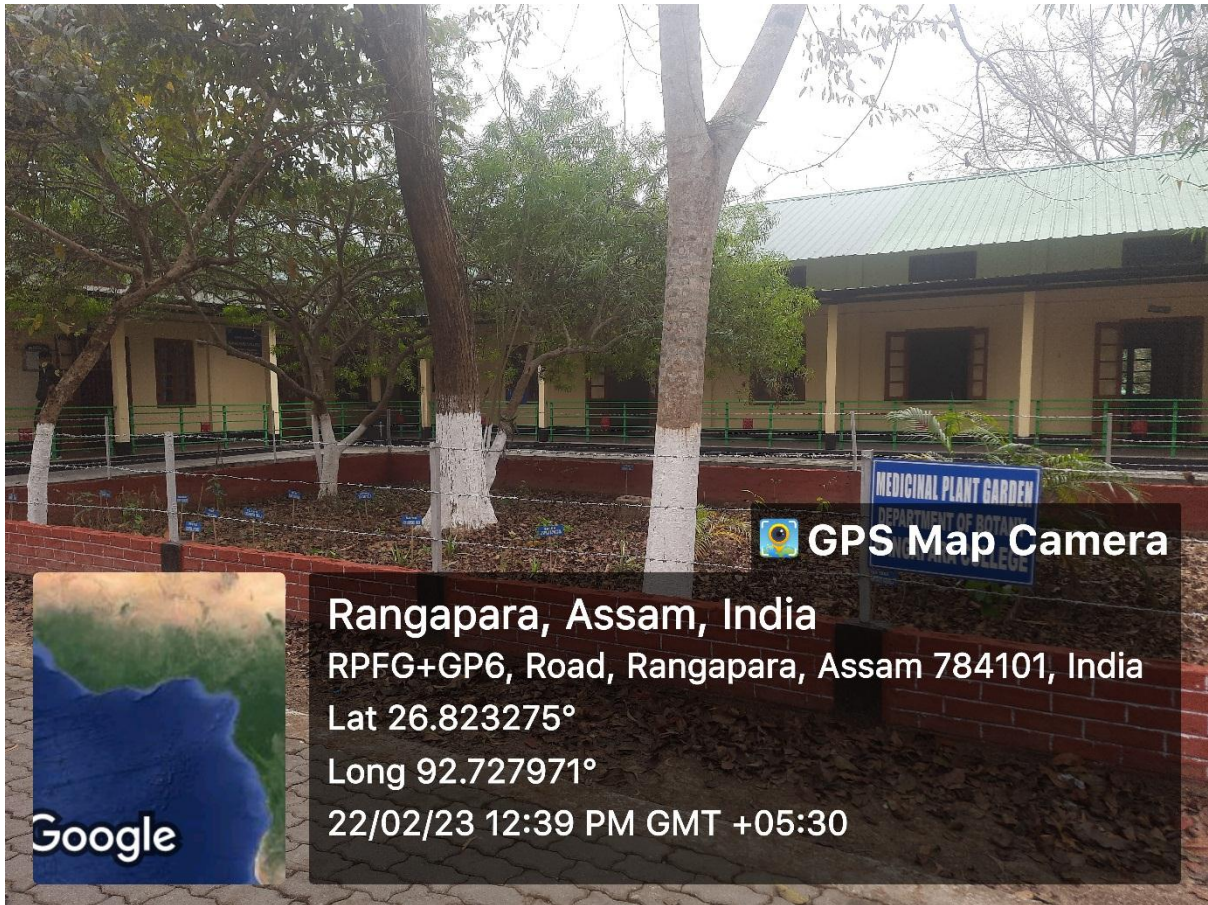


Plantation Drive to make the campus green

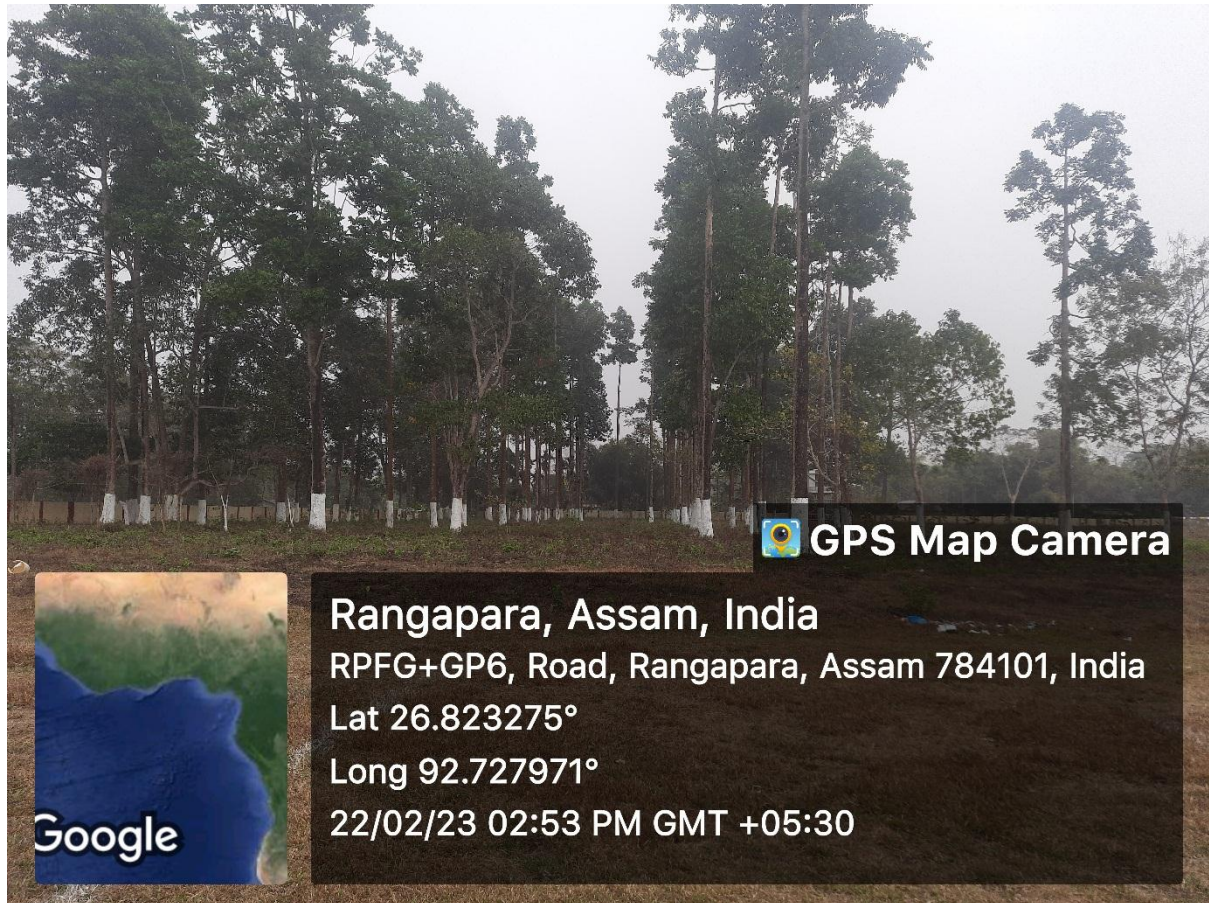


Reflection of the Greenery of the Institution

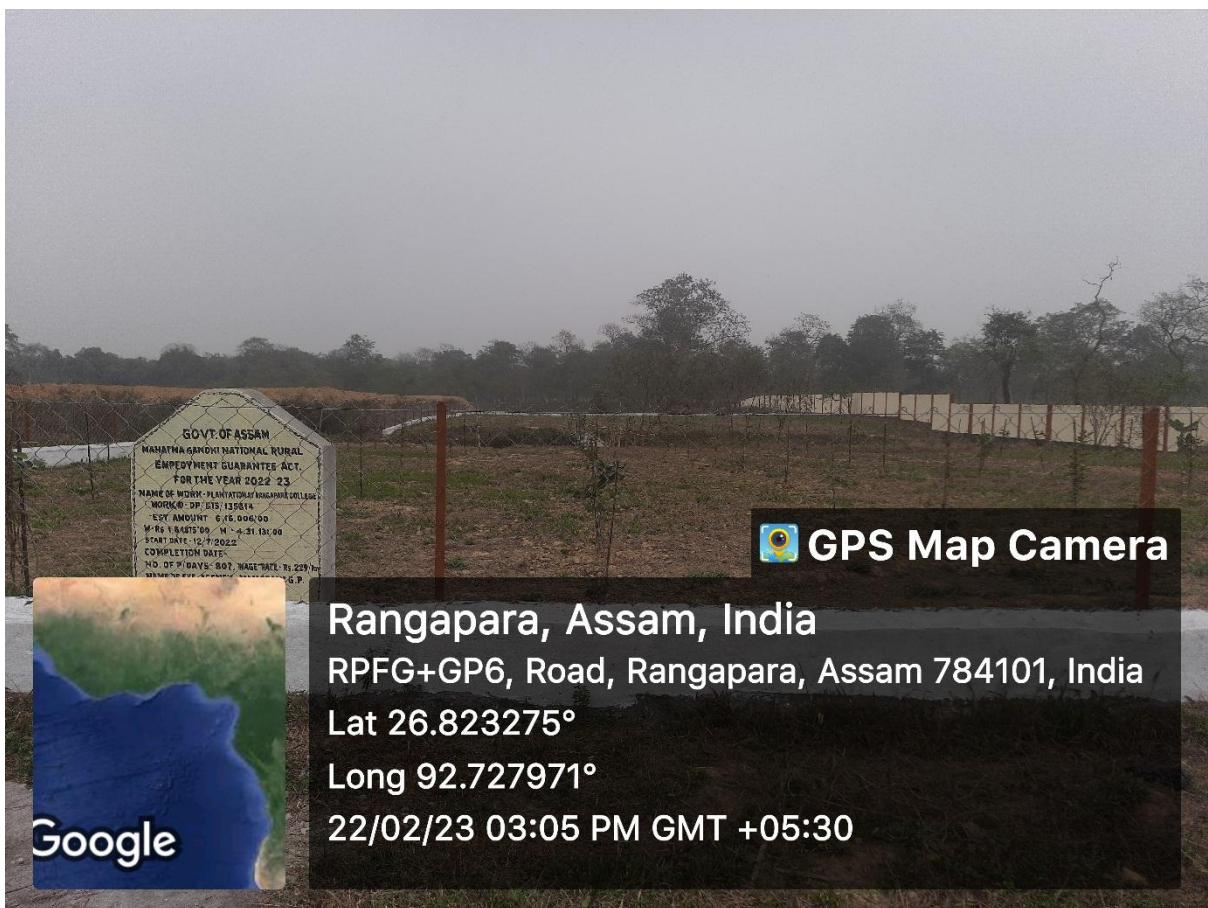
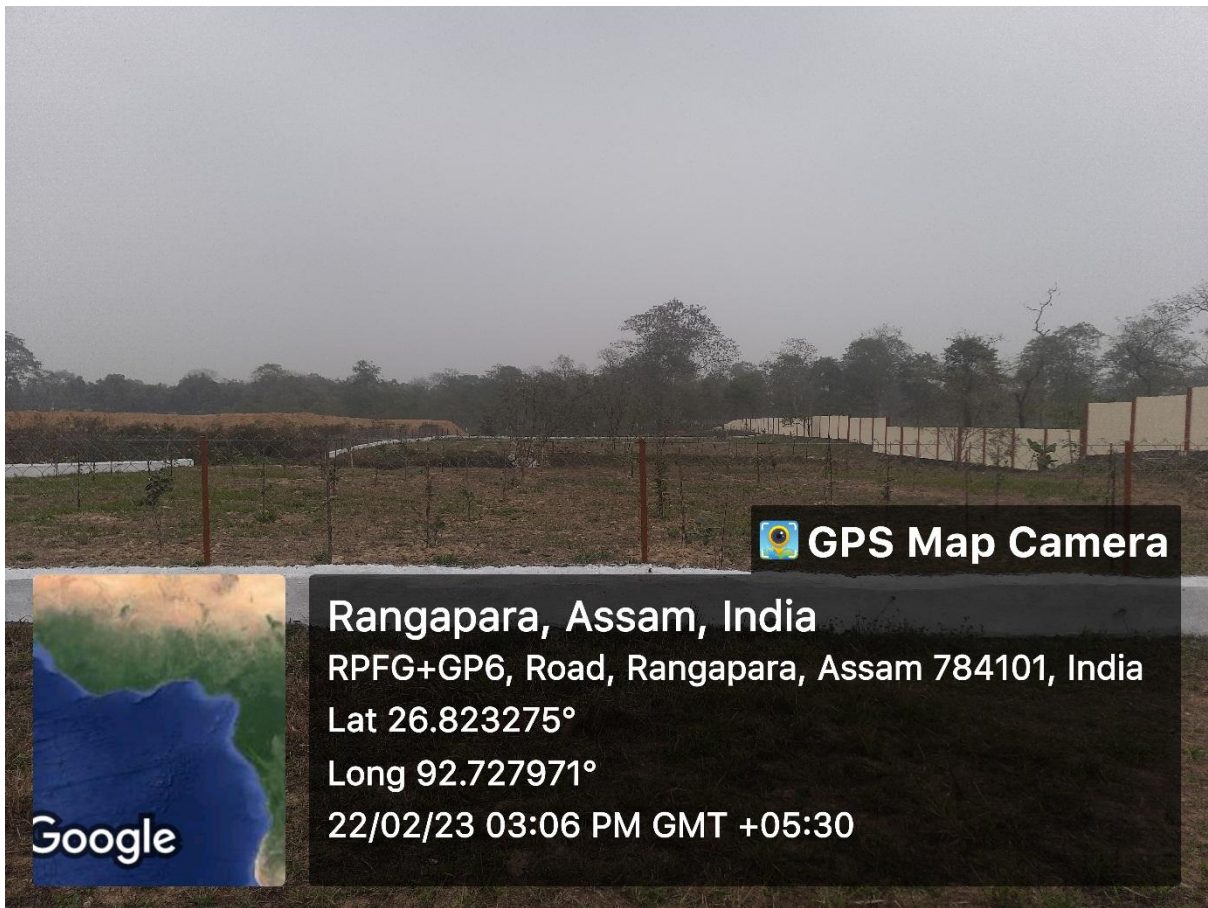
Plantation of Medicinal Plants



Economically important Plants in the college campus




Titachapa Tree (*Michelia Baillonii*)



Red Sandalwood (*Pterocarpus santalinus* L.f)



 **GPS Map Camera**

Rangapara, Assam, India

RPFG+GP6, Road, Rangapara, Assam 784101,
India

Lat 26.823275°

Long 92.727971°

22/02/23 03:12 PM GMT +05:30



Teak Wood Plants

Certificate of District Green Campus

तारीख / Date 05.08.2021
ज्ञापनसंख्या / Memo no: 403



भारतसरकार / Government of India
महात्मा गांधी राष्ट्रीय ग्रामीण शिक्षा परिषद / Mahatma Gandhi National Council of Rural Education
उच्चशिक्षाविभाग / Department of Higher Education
शिक्षामंत्रालय / Ministry of Education



District Green Champion Certificate

This is to certify that **Rangapara College** is hereby recognized as **District Green Champion** of **Sonitpur** District for the Academic Year 2020-21. The Institution has successfully set up the Swachhta Action Plan Committee, adopted and implemented the best practices in the areas of Sanitation, Hygiene, Waste Management, Water Management, Energy Management and Greenery Management.

This certificate is given in the presence of **Shri Bhupesh Chandra Das A.C.S.**, Deputy Commissioner, Sonitpur, Assam.

5th AUGUST 2021

Dr W G Prasanna Kumar
Chairman
MGNCRE, Ministry of Education
Government of India