

**'Green and Environment Audit Report 2021'  
of Golaghat Commerce College, Golaghat**

The 'Green and Environment Audit Report 2021' prepared by the Green and Environment Audit Team, Golaghat Commerce College, Golaghat was submitted to RFRI for comments and suggestions. Accordingly, suggestions were given based on existing literatures and experience which was duly incorporated in the Green and Environment Audit Report 2021. In the next phase, on 25/05/2022, the RFRI team visited the college for inspection of the works on ground. A team of two members including Dr. Dhruva Jyoti Das, Scientist E and Dr. Girish Gogoi, STO visited Golaghat Commerce College and conducted a survey and inspection of the various management works mentioned in the 'Green and Environment audit report'.

The Team met Mrs. Anamika Hazarika, Vice-Principal of the college and other faculty members and discussed about the various works related to environment, importance of conservation and awareness among students, teachers and common people. The RFRI team was accompanied by a team of faculty members including Mr. Biswajyoti Doley, Assistant Professor, and other faculties of Golaghat Commerce College, Golaghat including Dr. Nabami Gogoi, Assistant Professor, Mrs. Himadri Gogoi, Assistant Professor, and Dr. Rinki Das, Assistant Professor. The RFRI team visited the various Water qualities, Air quality, Noise Pollution, Soil pollution, Human Health & Safety and Waste management systems operative in the college. The RFRI team visited the Vermi-compost unit, Solar panels, Rain water harvesting unit (1000 litres tanks) and other facilities installed in the campus.

Various plants (trees, shrubs and herbs) were planted in the campus from time to time for keeping the air in the campus pollution free and of good quality. Some of the important species found in the campus include *Aquilaria malaccensis*, *Eucalyptus globulus*, *Terminalia chebula*, *Psidium guajava*, *Mangifera indica*, *Delonix regia*, *Mimusops elengi*, *Azadirachta indica*, *Phyllanthus emblica*, *Terminalia arjuna*, *Nyctanthes arbor-tristis*, *Ziziphus jujube*, *Alstonia scholaris*, *Annona squamosa*, *Ficus benghalensis*, *Gmelina arborea*, *Dillenia indica*, *Monoon longifolium*, *Pinus sp.*, *Callistemon citrinus*, *Litchi chinensis*, *Chukrasia tabularis*, *Litsea monopetala*, *Syzygium cumini*, *Artocarpus heterophyllus*, *Cocos nucifera*, *Vitex glabrata*, *Aegle marmelos*, *Averrhoa carambola*, *Acacia auriculiformis*, *Bombax ceiba*, *Mesua*

*ferrea, Carica papaya, Neolamarckia cadamba, Caesalpinia pulcherrima, Artocarpus sp., Mallotus tetracoccus, Premna latifolia etc.*

Various display boards located at important places were also checked. Dry and Wet dustbins in different locations of the college were also visited. In order to save and conserve energy LED bulbs have been found used in most of the classrooms, Principal's office, Administrative Office, Indoor stadium, Computer Lab, and Departmental Rooms in the College. The other initiatives as mentioned in the Green Audit report were visited as well.

Some of the photographs of the visit and inspection are given below:



A view of the campus



Maintenance of two types of dustbins



Rain Water Harvesting



Rain Water Harvesting & storage



Submersible pumps for underground water



Water filter and drinking water tank with taps



Discussion with the faculties



Vermi-compost unit



A group photo with the faculty members



A Solar Panel



A garden of Medicinal plants



A view of the Sasi (*Aquilaria malaccensis*) plantation



Creation of new plantation covered with GI net



New saplings of Sasi



New saplings of Sasi

The overall works as mentioned in the Green and Environment Audit Report were found satisfactory. The following recommendations are given to the Green and Environment Audit Team and college authority to be followed for further improvement in this regard.

**Recommendations:**

- (1) More dustbins separated for wet and dry garbage can be placed in various other places of the campus as well.
- (2) Number of informative sign boards may be increased for general awareness of the students.
- (3) The college is having an area of 29 Bighas. There are some areas where plantation of ecologically and economically important tree species (especially species like, *Aquilaria malaccensis*) with aesthetic value can be done.
- (4) Presently the college is having biomass carbon stock of **160** Mg from trees alone. Plantation of more trees will definitely increase the quantity.
- (5) It is recommended that carbon foot print of the campus may be estimated and reported for green audit in next audit.
- (6) Compost organic fertilizer can be prepared from the wet garbage.
- (7) More awareness programmes on environment may be organised for students and general public from time to time.