



भा. वा. अ. शि. प.- वर्षा वन अनुसंधान संस्थान

भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद्

(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के अधीन एक स्वायत्त परिषद्)

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ICFRE-RAIN FOREST RESEARCH INSTITUTE

Indian Council of Forestry Research & Education

(An Autonomous body of Ministry of Environment, Forest & Climate Change, Govt. of India)

Post Box No. 136, Jorhat- 785001, Assam

No. RFRI/FECC/ENV-AUD/2021

दिनांक/Date: 06/02/2023

'Green and Environment Audit Report 2022'

Marangi Mahavidyalaya, Lettekujan, Golaghat, Assam

'Green and Environment Audit Report-2022' was prepared by the Green and Environment Audit Team, Internal Quality Assurance Cell (IQAC), Marangi Mahavidyalaya, Golaghat and submitted to Rain Forest Research Institute, Jorhat for comments and suggestions. A 3rd party Green Audit monitoring team of RFRI consists of Dr. Dhruba Jyoti Das, Scientist-F, Dr. Girish Gogoi, STO and Shri Abhijit Medhi, TA, RFRI, Jorhat has given suggestions and comments on the report which were duly incorporated in the Green and Environment Audit Report 2022. The monitoring team of RFRI visited the college on 3rd February 2023, to inspect and monitor the various infrastructures, plantations and other management works mentioned in the 'Green and Environment audit report-2022'.

The Team interacted with Dr. Mamoni Mahanta, Principal In-charge and Mr. Yugal Jyoti Borah (Assistant professor & coordinator, IQAC), Mrs. Monalisha Tamuly (Assistant professor), Mr. Chitta Ranjan Mili (Assistant professor) and Mr. Binod Konwar (Assistant professor) of the college. They informed the monitoring team 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. Binod Konwar (Assistant professor), Mr. Chitta Ranjan Mili (Assistant professor) and Mrs. Monalisha Tamuly (Assistant professor). The RFRI team monitored the water collection sources, water purifying units, sources of air, noise and soil pollution, human health and safety measures adopted and waste management systems

operative in the college. The RFRI team also visited the various infrastructures, plantations, vermi-composting units, drainage system, different dustbins, signboards and other facilities installed in the campus related to environment.

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 *Mangifera indica*, *Azadirachta indica*, *Psidium guajava*, *Polyalthia longifolia*, *Cassia fistula*, *Mimusops elengi*, *Zizyphus jujube*, *Acacia auriculiformis*, *Hyophorbe lagenicaulis*, *Hibiscus mutabilis*, *Albizia lebbek*, *Alstonia Scholaris*, *Emblca officnalls*, *Schima Wallichii*, *Gmelina arborea*, *Ocimum tenuiflorum*, *Blechnum orientale*, *Colocasia esculena*, *Hibiscus sabdariffa*, *Paederia foetida*, *Jasminum multiflorum* etc.

Various display boards for awareness located at important places were also checked. Dry and Wet dustbins in different locations of the college were also seen. In order to save and conserve energy, LED bulbs and tubes have been found used in all most all the classrooms, principal's office, administrative office, library, and computer lab. 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 main gate of the college under constrauction



A building of the college under construction



Group photo of the team with the Principal



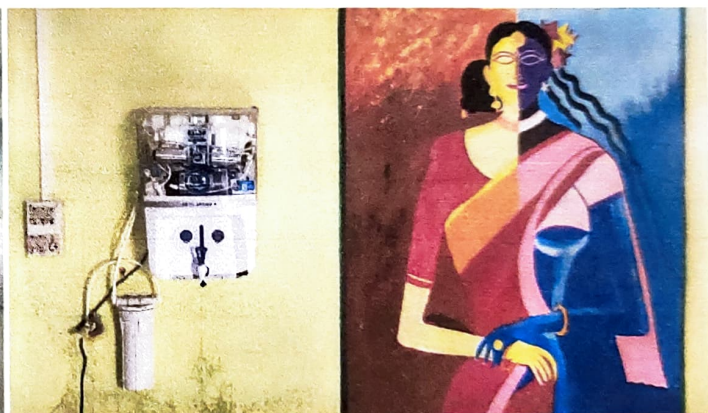
Rain Water harvesting tank



Over head tank



Water purifying RO unit



RO water for students



Drinking water taps for students



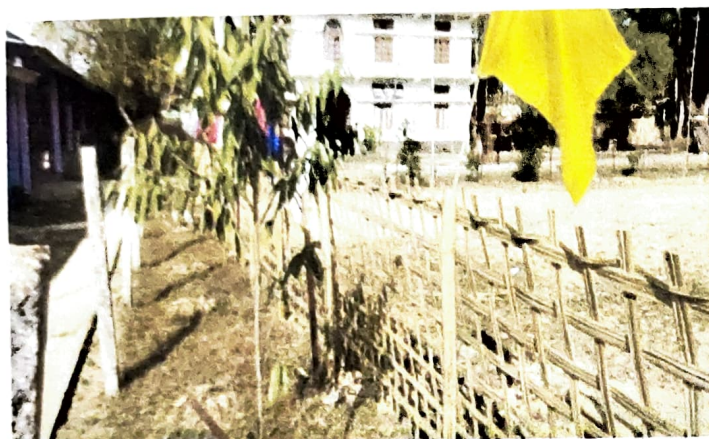
Vermi-compost unit



Plantation of *Mimosa elengi*



Plantation of *Psidium guajava*



Eco-friendly bamboo fences



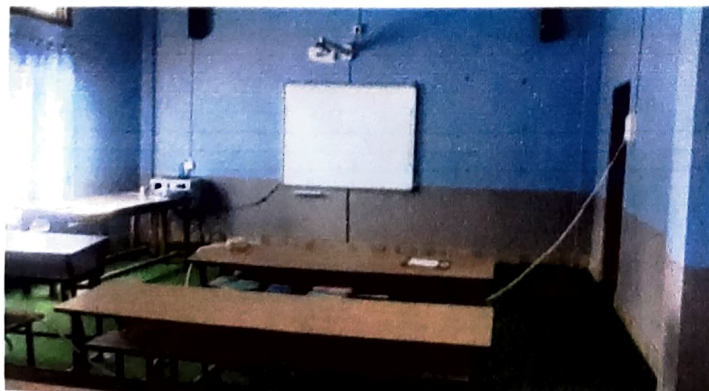
Measurement of GBH for Carbon stock



Plantation of orchids



Solar Street light



Digital classroom



Library of the college



Dustbins in the campus for dry and wet waste



Signboards for awareness

Since, the college is affiliated to Dibrugarh University recently so, most of the buildings like administrative building, staff common rooms, canteen, main gate etc. are found under construction. The overall works as mentioned in the Green and Environment Audit Report were found satisfactory. However, the following recommendations are given to the Green and Environment Audit Team and college authority to be followed for further improvement in this regard:

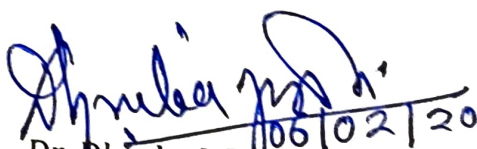
Recommendations:

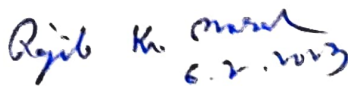
- (1) The applications of solar panels were found quite limited within the campus. It is therefore suggested that more Solar panels should be installed in various appropriate places including rooftop of the newly constructing RCC building. Provision for the same may be kept in advance.
- (2) Logbooks should be maintained during the repairing of the water purifying units installed within the campus to ensure proper supply of good quality water.

- (3) Capacity of the rainwater harvesting tanks should be increased; more units may be installed.
- (4) There are lot of vacant spaces found in the college campus. It is suggested that more plantations of ecologically and economically important tree species with aesthetic value may be done in the vacant spaces.
- (5) The overall carbon stock of the college was found on a lower side in comparison with other colleges. Efforts should be made to increase the green biomass of the campus.
- (6) More signboards having ecology and environment related quotations/messages should be displayed in the blank spaces of walls of the college campus. As for example, the bike and cycle stand was found to have adequate blank spaces in the walls which can be used for display of such messages.
- (7) More books on nature, environment and its conservation should be included in the college library and students may be encouraged to read these books.
- (8) More awareness programmes on nature and environment may be organised for students and general public from time to time. Documentation of the same may be done properly for future reference.


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