



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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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: 04/01/2023

'Green and Environment Audit Report 2021-22' **of Nanda Nath Saikia College, Titabar, Jorhat, Assam**

The '**Green and Environment Audit Report 2021-22**' prepared by the Green and Environment Audit Team, Nanda Nath Saikia College, Titabar, Jorhat was submitted to RFRI, Jorhat for evaluation. Accordingly, suggestions and comments were given on the report based on existing literatures and experiences on the subject which was duly incorporated in the revised and final '**Green and Environment Audit Report 2021-22**'. In the next phase, a team of three members consists of Dr. Dhruba Jyoti Das, Scientist-F, Dr. Girish Gogoi, STO and Shri Abhijit Medhi, TA, RFRI, Jorhat visited the college as a 3rd party monitoring team on 3rd January 2023. The RFRI monitoring team inspected and monitored the various infrastructures, plantations and other management works mentioned in the '**Green and Environment audit report 2021-22**'.

The Team had a detailed discussion with Dr. Litool Baruah, Principal and Dr. M.L. Dutta, Vice principal & HoD Department of Botany and other faculty members of the college. They 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 Dr. M.L. Dutta, Vice principal; Shri J. P. Ojah, Coordinator IQAC; Dr. P.N. Bhattacharyya, Coordinator, Green & Environment Audit team; Shri U.N. Gogoi, Assistant Professor, Department of Mathematics; Shri H. Thengal, Assistant Professor, Department of Political Science and other faculties. The RFRI team visited the various water purification units, human health and safety and waste management systems operative in the college. The RFRI team also visited the various infrastructures, plantations, traditional rain water harvesting units (pond), botanical garden, vermi-composting units, water filtering system, drainage system, solar panels, 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 *Artocarpus heterophyllus*, *Mangifera indica*, *Mesua ferrea*, *Azadirachta indica*, *Nyctanthes arbor-tristis*, *Terminalia arjuna*, *Psidium guajava*, *Polyalthia longifolia*, *Cassia fistula*, *Terminalia chebula*, *Araucaria columnaris*, *Thuja occidentalis*, *Eucalyptus globules*, *Dillenia indica*, *Embllica officinalis*, *Syzygium cumini*, *Aquilaria malaccensis*, *Lagerostroemia indica*, *Hibiscus rosa-sinensis*, *Morus alba*, *Tinospora cordifolia*, *Tamarindus indica*, *Bauhinia variegata*, *Caesalpinia pulcherrima*, *Baccaurea sapida*, *Magnolia champaca*, *Tectona grandis*, *Flemingia strobilifera*, *Moringa pterygosperma*, *Swietenia mahagoni*, *Terminalia bellirica*, *Delonix regia*, *Gmelina arborea* etc.

Various display boards installed for general awareness among the students 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 have been found used in most of the classrooms, principal's office, administrative office, auditorium, library, indoor stadium, gymnasium, computer lab., canteen, girls hostel and departmental rooms in the college. The ground water of Titabor area is reported to be very rich in Arsenic, hence an Arsenic treatment unit is installed in the college campus which is visited by the team. The treatment unit was found functioning well. The other initiatives as mentioned in the Green Audit report were visited and inspected as well.

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



A view of the main gate of the college



Synoptic view of the college campus



Group photo of the team with the Principal and other faculty members



Botanical garden of the college



Plantation of ornamental trees



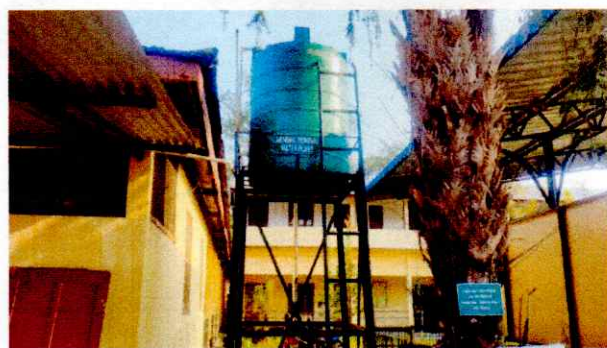
Vermi-compost units



Vermi-compost units-inside



Preparation of grasses for vermicompost



Arsenic treatment plant



Traditional rain water harvesting: Pond in the college campus for rain water harvest & ground water recharge



Water filter system in the college



Interaction with college faculties



Solar Panels on the roof-top



Inside the Library of the college



Library of the college



Signboard for save water



Signboard against use of plastic



Dustbins in the campus for dry and wet waste management

The overall works as mentioned in the Green and Environment Audit Report were found satisfactory. The college has got certificate of appreciation for cleanliness & greenness from Titabor municipal board and tobacco free declaration certificate from District Tobacco Council Cell, Jorhat. 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:

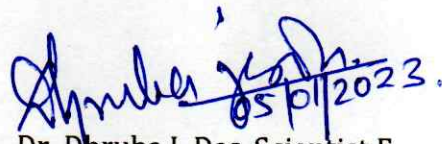
- (1) More plantations of ecologically and economically important tree species with aesthetic value can be done in the vacant spaces. RFRI, Jorhat can provide necessary guidance in this regard, if required.
- (2) Proper maintenance of the botanical garden with plantation of more rare, endangered and threatened plant species of Northeast India is required. Again, RFRI, Jorhat can provide necessary guidance and other help in this regard, if required.
- (3) The college has a pond for rain water harvesting and ground water recharge. Introduction of aquatic plant species may be done in the pond.
- (4) Roof-top rain water harvesting may be done for additional rain water harvest with the help of external financial assistance.
- (5) More awareness programmes on environment may be organised for students and general public from time to time.



Abhijit Medhi, TA
RFRI, Jorhat
(Team member)

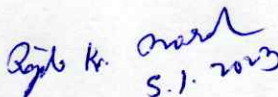


Dr. Girish Gogoi, STO
RFRI, Jorhat
(Team member)

 05/01/2023.

Dr. Dhruba J. Das, Scientist F
Head, FECC, RFRI, Jorhat
(Team Leader)

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 S.I. 2023

Dr. Rajib Kr. Borah
Director, RFRI, Jorhat

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