

REPORT ON GREEN AND ENERGY AUDIT

JKM CONSULTANCY SERVICES

JORHAT KENDRIYA MAHAVIDYALAYA

KENDUGURI, JORHAT-10



Prepared by -

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JORHAT KENDRIYA MAHAVIDYALAYA

Estd.1981

Re accredited by NAAC with Grade "A"

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GREEN AND ENERGY AUDIT REPORT

JKM CONSULTANCY SERVICES

Jorhat Kendriya Mahavidyalaya has initiated the JKM Consultancy Services of Green and Energy Audit under IIC, JKM in the year 2022. It has undertaken the initiative to prepare the Green Audit and Energy Audit reports of their own institute as well as extended their support to other institutes to promote the Environment Management and Conservation in the college campus. It assesses environmental impact of an organization and carbon credit with a view to take sustainable steps towards better future.

To carry out the Energy and Green Audit, an Assessment Team has been formed under JKM Consultancy Services, who executes the process and prepares the reports based on specified objectives and methodology. The members of the Assessment Team visit the various Institutions physically when invited and assess the college campus as per the norms and documents the data as found. The reports prepared are then handed over to the College with valid Certificate.

GREEN AUDIT



In recent times, the Green Audit of an institution has been becoming important for self-assessment of the institution which reflects the role of the institution in mitigating the present environmental problems. Many institutions undertake lots of good measures to resolve these problems but are not documented due to lack of green documentation awareness. Therefore, the purpose of the present green audit is to identify, quantify, describe, and prioritize framework of Environment Sustainability in compliance with the applicable regulations, policies and standards.

OBJECTIVES OF THE GREEN AUDIT -

- To map the Geographical Location of the college.
- To document the floral and faunal diversity of the college.
- To record the meteorological parameter of the college
- To document the waste disposal system

METHODOLOGY –

- Collection of data.
- Physical inspection of the campus.
- Observation and review of the documentation and data analysis.

INSTITUTIONS VISITED AND GREEN AUDIT REPORT PREPARED BY THE ASSESSMENT TEAM OF JKM CONSULTANCY SERVICES-

The members of the Assessment Team of Green Audit have visited nine number of colleges and prepared the Audit report of the respective institutes. The Green Audit Report of Jorhat Kendriya Mahavidyalaya and JDSG College, Bokakhat was prepared for consecutive two years 2021-22 and 2022-23. The institutes visited by the team are-

1. Jorhat Kendriya Mahavidyalaya, Kenduguri, Jorhat (2021-22)
2. Teok CKB College, Teok
3. Dr. Nobin Bordoloi College, Jorhat
4. Cinnamora College, Jorhat
5. NLB City college, Dibrugarh
6. JDSG College, Bokakhat (2021-22)
7. Ghanakanta Bora College, Tamulisiga, Jorhat
8. Naharkotia College, Dibrugarh
9. JDSG College, Bokakhat (2022-23)
10. Jorhat Kendriya Mahavidyalaya, Kenduguri, Jorhat (2022-23)
11. Sarbodaya College, Malow Pathar, Jorhat, Assam

ASSESSMENT TEAM OF GREEN AUDIT -

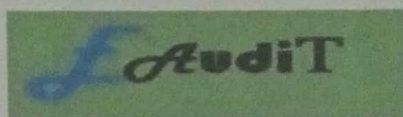
Chairperson: Dr. Dulen Saikia, Principal, JKM, MSc, M.Phil., PhD

Coordinator: Mrs. Pinaki Hazarika, HOD, Department of Botany, JKM, M.Sc, M.Phil

Members:

Dr. Dandeswar Dutta, Ex. Senior Scientist, Rain Forest Research Institute, Jorhat
Mrs. Ely Phukan, Academic Vice Principal, Science Stream, JKM
Binod Hazarika, Assistant Professor, Department of Chemistry, JKM

ENERGY AUDIT



The objective of Energy Audit is to balance the total energy inputs with its use and to identify the energy conservation opportunities in the stream. Energy Audit also gives focussed attention to energy cost and cost involved in achieving higher performance with technical and financial analysis. The best alternative is selected on financial analysis basis.

OBJECTIVES OF THE ENERGY AUDIT -

- To study the present pattern of energy consumption
- To identify potential areas for energy optimization
- To recommend energy conservation proposals with cost benefit analysis.

INSTITUTIONS VISITED AND ENERGY AUDIT REPORT PREPARED BY THE ASSESSMENT TEAM OF JKM CONSULTANCY SERVICES-

The members of the Assessment Team of Energy Audit have visited eleven number of colleges and prepared the Audit report of the respective institutes. The Energy Audit Report of Jorhat Kendriya Mahavidyalaya and JDSG College, Bokakhat was prepared for consecutive two years 2021-22 and 2022-23. The institutes visited by the team are-

1. Jorhat Kendriya Mahavidyalaya (2021-22)
2. Teok CKB College, Teok (2021-22)
3. Dr. Nobin Bordoloi College, Jorhat (2021-22)
4. Cinnamora College, Jorhat (2021-22)
5. Gargaon College, Sibsagar(2021-22)
6. NLB City College, Dibrugarh (2021-22)
7. JDSG College, Bokakhat (2021-22)
8. Kakojan College, Jorhat (2021-22)
9. Ghanakanta Bora College, Tamulisiga, Jorhat (2021-22)
10. Naharkotia College, Dibrugarh (2021-22)
11. JDSG College, Bokakhat (2022-23)
12. Jorhat Kendriya Mahavidyalaya (2022-23)
13. Sarbodaya College, Malow Pathar, Jorhat (2022-23)

ASSESSMENT TEAM OF ENERGY AUDIT UNDER JKM CONSULTANCY SERVICES-

INTERNAL TEAM:

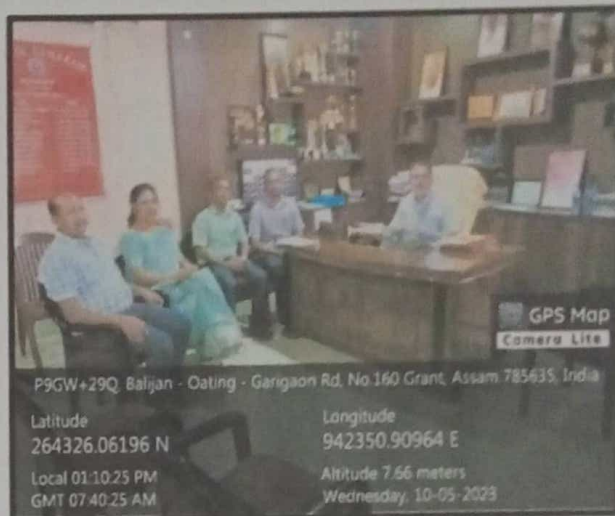
1. Dr. Dulen Saikia, Principal, JKM, MSc, M.Phil., PhD
2. Mr. Rajiv Bordoloi, HoD, Dept. of Physics, M. Sc, M. Phil
3. Mr. Arup Saikia, Assistant Professor, M. Sc, M. Phil
4. Mr. Amrit Dutta, Assistant Professor, M.Sc

EXTERNAL TEAM:

1. Dr. Dandeswar Dutta, Ex. Senior Scientist D, Rain Forest Research Institute, Jorhat
2. Mr. Sabikur Rahman, Assistant Professor, JEC



VISIT TO SARBODAYA COLLEGE, JORHAT



VISIT TO JDSG COLLEGE, BOKAKHAT

Coordinators

Pinaki Hazarika

Mrs. Pinaki Hazarika

(Green Audit, JKM)

Arup Saikia

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Principal

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