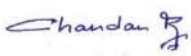
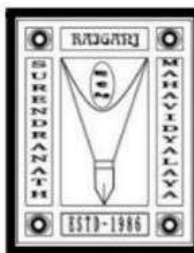

*Criterion7: Institutional Values and
Best Practices*

*Documents: 7.1. 3: Report on
Environmental Promotional activities
conducted beyond campus*


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A Report on: Extending Environmental Promotional Activities Beyond the College Campus

Introduction:

Environmental sustainability is crucial. In this regard, Colleges are key in fostering eco-conscious individuals. Yet, the effectiveness of these efforts can be greatly enhanced by extending environmental promotional activities beyond the campus. This report explores various initiatives that our college has undertaken to promote environmental awareness and sustainability within the broader community.

Activities:

1. Tree Plantation Campaigns:

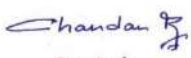
To address deforestation and foster green spaces, our college has been actively involved in tree plantation campaigns. These initiatives extend beyond the campus, focusing on public areas, vacant lands, and residential neighbourhood. In last five years we have planted and distributed more than hundred saplings of flowering and fruit plants in adopted villages. In This effort not only increases the overall green cover but also promotes community involvement in environmental conservation. (See Annexure-I containing three detailed reports)

2. Workshops and Seminars:

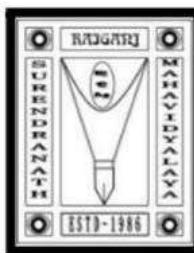
Environmental education is essential for encouraging sustainable practices. Our institution, as a part of Sanshuddhi, organizes community drives on various environmental topics, such as waste reduction-recycling (e.g. knowledge transfer for preparation of organic manures from domestic wastes), energy conservation, and sustainable living practices (e.g. awareness campaign on campus and during outreach programs at adopted villages). By engaging with the community, we aim to equip individuals with the knowledge and tools necessary to make environmentally conscious decisions in their daily lives. (See annexure II containing detailed reports)

3. Spreading Environmental awareness:

Spreading awareness among the residents of adopted villages: The college has reached out to the residents of adopted villages to make them conscious about the eco-friendly activities, viz.,


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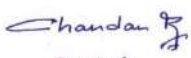
tree plantation, waste management and recycling, water and energy conservation. We emphasize on traditional livelihood pattern with minimalistic environmental exploitation and maximizing environment restoration. We believe these small eco-friendly steps will help us to achieve net zero emission in near future. (See annexure III; Part of the 3rd report from annexure I)

Impact Assessment and Future Plans:

Evaluating the impact of these activities is essential for determining the success of our efforts. We plan to broaden our outreach by forming partnerships with other educational institutions, non-profit organizations, and government agencies. This approach aims to create a more comprehensive and sustained impact on the environment.

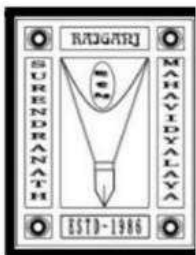
Conclusion:

Extending environmental promotional activities beyond the college campus is crucial for creating a widespread impact on community awareness and behaviour. Our college's beyond campus initiatives, such as plantation drives and awareness campaigns, demonstrate a strong commitment to fostering a sustainable and environmentally conscious community. By actively engaging with the broader public, we aim to create a ripple effect that promotes a healthier and more sustainable planet for current and future generations.


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Annexure-I (Tree plantation drive)



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Report I:

Tree Plantation Programme Report [4 April 2022]

Organized by: NSS Unit II of Raiganj Surendranath Mahavidyalaya

Venue: Nearby college Campus (Karnajora area)


Participants: 15 Students

Introduction: On 4 April 2022, the NSS Unit II of Raiganj Surendranath Mahavidyalaya organized a tree plantation programme at the nearby college campus. The initiative aimed to foster environmental consciousness among students and contribute to the greenery.

Purpose: The primary objective of the tree plantation programme was to promote environmental sustainability and create awareness about the importance of trees in maintaining ecological balance. By actively involving students in tree plantation activities, the organizers aimed to inculcate a sense of responsibility towards the environment.

Programme Details: The tree plantation programme commenced at 11 AM and continued until 1:30PM. The following activities were conducted:

1. **Welcome Address:** The programme began with a welcome address delivered by the NSS coordinators, highlighting the significance of tree plantation and the role of students in preserving nature.
2. **Plantation Activity:** Fifteen students actively participated in the plantation activity, where they planted saplings of various indigenous tree species selected for their suitability to the local climate and ecosystem.


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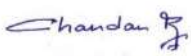


3. **Demonstration on Plantation Techniques:** A brief demonstration on proper plantation techniques, including digging pits, handling saplings, and watering, was provided to the students to ensure the optimal growth of the planted trees.
4. **Interactive Session:** An interactive session was conducted, allowing students to discuss the importance of tree plantation in mitigating environmental challenges such as air pollution, soil erosion, and climate change. The session encouraged students to brainstorm ideas for sustaining the greenery of the campus.
5. **Conclusion and Feedback:** The programme concluded with a vote of thanks extended to all participants for their active involvement. Feedback was collected from the students to assess their experience and gather suggestions for future plantation drives.

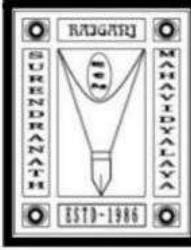
Outcome: The tree plantation programme witnessed enthusiastic participation from 15 students who actively contributed to enhancing the green cover of Karnajora area. The initiative not only facilitated the planting of saplings but also inspired students to adopt eco-friendly practices and take collective action for environmental conservation.

Conclusion: The tree plantation programme organized by NSS Unit II of Raiganj Surendranath Mahavidyalaya served as a commendable effort towards promoting environmental stewardship among students. It not only improves greenery at the Kanrajora area but also instilled a sense of ecological responsibility among the participants, emphasizing the importance of sustainable living.

Acknowledgment: We extend our sincere gratitude to all the participants, faculty members, and volunteers who contributed to the success of the tree plantation programme.


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Sample photographs of Environmental promotions and sustainable activities

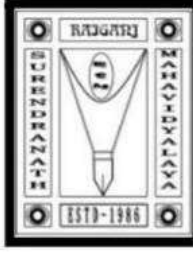
Plantation drive (Karnajora area)

4th April, 2022



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Report-II

Tree Plantation Programme Report [4 May 2023]

Organized by: NSS Unit II of Raiganj Surendranath Mahavidyalaya

Venue: Nearby college Campus

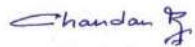
Participants: 12 Students

Introduction: On 4 May 2023, the NSS Unit II of Raiganj Surendranath Mahavidyalaya organized a tree plantation programme at the nearby college campus. The initiative aimed to foster environmental consciousness among students and contribute to the greenery.

Purpose: The primary objective of the tree plantation programme was to promote environmental sustainability and create awareness about the importance of trees in maintaining ecological balance. By actively involving students in tree plantation activities, the organizers aimed to instill a sense of responsibility towards the environment.

Programme Details: The tree plantation programme commenced at 10:30 AM and continued until 12:30 PM. The following activities were conducted:

1. **Welcome Address (in campus):** The programme was kicked off with a welcome address delivered by the NSS coordinators, highlighting the importance of sapling distribution and plantation and the role of students in conserving nature.
2. **Sapling distribution and Plantation Activity:** Twelve students actively participated in the sapling distribution and plantation activity. Saplings of various indigenous tree species were selected for their suitability to the local climate and ecosystem.
3. **Demonstration on Plantation Techniques:** A brief demonstration on proper plantation techniques, including digging pits, handling saplings, and watering, was provided to the students to ensure the optimal growth of the planted trees.


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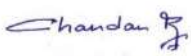


4. **Interactive Session:** An interactive session was conducted, allowing students to discuss the importance of tree plantation in mitigating environmental challenges such as air pollution, soil erosion, and climate change. The session encouraged students to brainstorm ideas for sustaining the greenery of the campus.
5. **Conclusion and Feedback:** The programme concluded with a vote of thanks extended to all participants for their active involvement. Feedback was collected from the students to assess their experience and gather suggestions for future plantation drives.

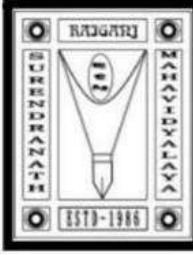
Outcome: The tree plantation programme witnessed enthusiastic participation from 12 students who actively contributed to enhancing the green cover of the college surroundings. The initiative not only facilitated the planting of saplings but also inspired students to adopt eco-friendly practices and take collective action for environmental conservation.

Conclusion: The tree plantation programme organized by NSS Unit II of Raiganj Surendranath Mahavidyalaya served as a commendable effort towards promoting environmental stewardship among students. It not only beautified the college adjacent area but also instilled a sense of ecological responsibility among the participants, emphasizing the importance of sustainable living.

Acknowledgment: We extend our sincere gratitude to all the participants, faculty members, and volunteers who contributed to the success of the tree plantation programme.


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Plantation drive (College surroundings)

4th May, 2023



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Report-III

Tree Plantation Programme Report (abridged from original report of fortnight World Environment Day Celebration) [5 June 2024]

Organized by: NSS Unit II, Department of Botany, Zoology, Geography, and Economics of Raiganj Surendranath Mahavidyalaya in collaboration with Nature Club, RSM

Venue: Abhor and Madhupur area

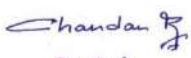
Participants: Students, faculties and Laboratory assistants from organizing Departments, NSS unit II members

Introduction: On 5th June 2024, the NSS Unit II NSS Unit II, Department of Botany, Zoology, Geography, and Economics of Raiganj Surendranath Mahavidyalaya in collaboration with Nature Club, RSM organized tree plantation drive as a part of seminar cum outreach program to sensitize people about the impact of behavioural changes on environment and biodiversity at Abhor and Madhupur area. The initiative aimed to foster environmental consciousness among students and contribute to the greenery.

Purpose: The primary objective of the tree plantation programme was to promote environmental sustainability and create awareness about the importance of trees in maintaining ecological balance. By actively involving students in tree plantation activities, the organizers aimed to stimulate a sense of responsibility towards the environment.

Programme Details: The tree plantation and sensitization programme commenced at 10:30 AM (started from campus) and continued until 3:30 PM. The following activities were conducted:

1. Sapling distribution and Plantation Activity: Saplings of various indigenous tree species, particularly fruit and flowering trees were distributed and planted for their suitability to the local climate and ecosystem.


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2. **Demonstration on Plantation Techniques:** A brief demonstration on proper plantation techniques, including digging pits, handling saplings, and watering, was provided to the students to ensure the optimal growth of the planted trees.
3. **Interactive Session:** An interactive session was conducted, allowing students to discuss the importance of tree plantation in mitigating environmental challenges such as air pollution, soil erosion, and climate change. The session encouraged students to brainstorm ideas for sustaining the greenery of the campus.
4. **Conclusion and Feedback:** The programme concluded with a vote of thanks extended to all participants for their active involvement. Feedback was collected from the students to assess their experience and gather suggestions for future plantation drives.

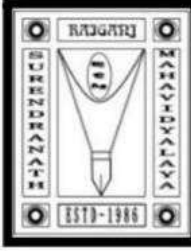
Outcome: The tree plantation and sensitization programme witnessed enthusiastic participation from students, teaching and non-teaching staffs who actively contributed to enhancing the green cover of the locality. The initiative not only facilitated the planting of saplings but also inspired students to adopt eco-friendly practices and take collective action for environmental conservation.

Conclusion: The tree plantation programme served as a commendable effort towards promoting environmental stewardship among students. It not only beautified the college adapted villages but also instilled a sense of ecological responsibility among the participants, emphasizing the importance of sustainable living.

Acknowledgment: We extend our sincere gratitude to all the participants, faculty members, and volunteers who contributed to the success of the tree plantation programme.


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Plantation drive (Abhor and Madhupur area)

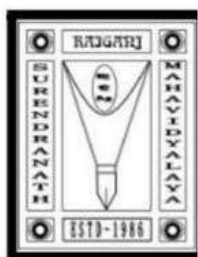
5th June, 2024



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Annexure-II (seminars and workshops)



Raiganj Surendranath Mahavidyalaya

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Report of seminar on preparation of organic manures from domestic and kitchen waste:

Seminar on preparation of organic manures from domestic and kitchen wastes Report (part of the Innovative Ecosystem Cell organized seminar series)

[22 May 2023]

Organized by: Department of Botany, Zoology, and Chemistry in collaboration with Innovative ecosystem cell, RSM

Venue: Rabindra Kakshya

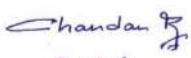
Participants: Villagers from College adopted village

Introduction: On 22 May 2023, the Department of Botany, Zoology and Chemistry in collaboration with Innovative ecosystem cell of Raiganj Surendranath Mahavidyalaya organized a seminar to transfer scientific knowledge on preparation of organic manures from domestic and kitchen wastes among the villagers. It was a part of beyond campus green initiatives or a step towards preaching Sanshuddhi around the college campus.

Purpose: The primary objective of the seminar on preparation of organic manures from domestic and kitchen wastes was to transfer the scientific knowledge on easy steps for backyard organic manure preparation by pit method among the residents of college adopted village. By actively participating in this program, the organizers aimed to instill a sense of responsibility towards the waste management and maintenance of green and clean environment.

Programme Details: The seminar started at 1:00 PM. The following activities were conducted:

1. Welcome Address: The programme was kicked off with a welcome address delivered by the Dr. Chandan Roy, Principal, highlighting the importance of practicing cleanliness and maintenance of greenery in the surroundings for conserving nature.


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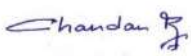


2. Self-introduction by villagers: Eight villagers actively participated in this program. They introduced themselves.
3. Demonstration on mushroom cultivation at home: A brief demonstration on different types of mushrooms, distinguishing characters of poisonous vs non-poisonous mushroom was ensued. Mushroom cultivation techniques were discussed in details, simple set-up for mushroom cultivation at home was then projected.
4. Demonstration on organic manure manufacture at the backyard: A brief demonstration on how to manage domestic wastes and out of that how organic manures can be manufactured simply by dumping the biodegradable wastes into the pit was discussed.
5. Demonstration on phenyl preparation at home: Phenyl preparation protocol was discussed.
6. Interactive Session: To discuss the importance of these initiatives in reducing carbon footprint, promoting organic farming, and maintenance of clean and green environment, an interactive session was conducted. The session encouraged participants to brainstorm ideas for restoring mother Earth.
7. Conclusion and Feedback: The programme concluded with a vote of thanks extended to all participants for their active involvement. Participants had been asked to assess their experience and suggestions were asked for future such initiatives.

Outcome: The participants learnt how to contribute in sustainable development and aid in building up clean and green environment, can effectively manage domestic wastes and manufacture bio-compost from them at the backyard. They learnt about organic farming, mushroom culture techniques, phenyl preparation. This initiative may help them to earn extra money without any high capital investment.

Conclusion: The seminar series organized by Department of Botany, Zoology, and Chemistry in collaboration with Innovative ecosystem cell, RSM served as a commendable effort towards promoting environmental stewardship among participants. It not only disseminates knowledge among the villagers but also instilled a sense of ecological responsibility among the participants, emphasizing the importance of sustainable living.

Acknowledgment: We extend our sincere gratitude to all the participants, teaching and non-teaching staff who contributed to the success of the programme.


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PROGRAMME SCHEDULE



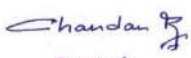
Hands on Training Programme

Organized by
Innovative Ecosystem Cell, Raiganj Surendranath Mahavidyalaya
In collaboration with
IQAC, Raiganj Surendranath Mahavidyalaya

Date: 22.05.2023, Venue: Raiganj Surendranath Mahavidyalaya

Programme Schedule

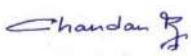
1 p.m. to 1-10 p.m.	Introductory Speech by Dr. Chandan Roy, Principal, RSM
1-10 p.m. to 1-15 p.m.	Self introduction by villagers, Abhor Village
1-15 p.m. to 1-30 p.m.	Mushroom Cultivation Presentation by Department of Botany
1-30 p.m. to 1-45 p.m.	Preparation of organic manures from household wastes Presentation by Department of Zoology
1-45 p.m. to 3-10 p.m.	Preparation of Phenyl Presentation & Demonstration by Department of Chemistry
3-10 p.m. to 3-15 p.m.	Vote of Thanks by Programme Co-ordinator, Dr. K. R. Bhattacharyya


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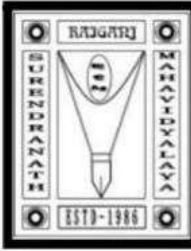


ATTENDANCE SHEET

SI No	Name	Signature
1	Dr. Chandan Roy	
2	Dr. Abhinandan Das	<i>[Signature]</i> 22/5/23
3	Dr. Kamala Rani Bhattacharyya (Acharyya)	<i>[Signature]</i> 22/05/23
4	Dr. Rakhee Das Biswas	<i>[Signature]</i> 22/05/23
5	Dr. Sujit Ghosh	<i>[Signature]</i> Ghosh
6	Dr. Nilima Moktan	
7	Sri. Sanat Kr. Singha	<i>[Signature]</i> Sanat Kr. Singha
8	Dr. Abdus Sabur	<i>[Signature]</i> 22/5/23
9	Dr. Priyanjalee Banerjee	<i>[Signature]</i> Priyanjalee Banerjee
10	Dr. Meghlat Malik	
11	MD. AZMALUL ALAM	<i>[Signature]</i> Md. Azmalul Alam 22/05/23
12	BANASHREE BARMAN	<i>[Signature]</i> Banashree Barman 22/05/23
13	MANDINI DAS	<i>[Signature]</i> Mandini Das 22/05/23
14	MINI GHOSH	<i>[Signature]</i> Mini Ghosh
15	SUMI SAHA	<i>[Signature]</i> Sumi Saha 22.05.23
16	Sowita Das	<i>[Signature]</i>
17	MD. ABAS	<i>[Signature]</i>
18	RAHUL DAS	<i>[Signature]</i> 22/05/23
19	Samrat Saha	<i>[Signature]</i> Samrat Saha
20	Suhansu Begam	<i>[Signature]</i> Suhansu Begam
21	Puro Rojbarshi	<i>[Signature]</i> Puro Rojbarshi
22	Reba Rani Das	<i>[Signature]</i> Reba Rani Das
23	Shikha Rani Das	<i>[Signature]</i> Shikha Rani Das
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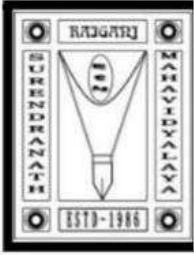
Beyond campus initiative to disseminate knowledge on how to prepare organic manures from domestic wastes

22nd May 2023



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e-BANNER FOR INCUBATION PROGRAMME



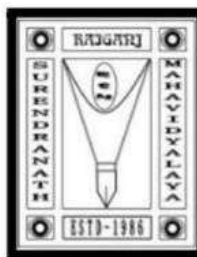
Preparation of organic manures from household wastes: a step towards Sanshuddhi

Organized by: Department of Zoology in collaboration with Innovative Ecosystem Cell,
Raiganj Surendranath Mahavidyalaya

Chandan B.

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Report on beyond campus environmental initiative on carbon neutrality

[29 May 2023]

Organized by: Department of Zoology, in collaboration with Nature Club, RSM

Venue: Rabindra Kakshya

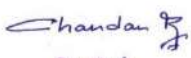
Participants: Villagers from College adopted village

Introduction: On 29 May 2023, the Department of Zoology in collaboration with Nature Club of Raiganj Surendranath Mahavidyalaya has taken initiative to stir awareness on carbon neutrality and its' implications among the participants coming from the college adopted village. It was a part of beyond campus environmental initiatives to preach Sanshuddhi around the college campus.

Purpose: The primary objective of this seminar was to spread awareness for not to contribute to air pollution, or to trigger Global warming through green-house gas emission among the residents of college adopted village and make them responsible enough to cut down their carbon foot-print. By actively participating in this program, the organizers aimed to inculcate a sense of responsibility to cut down green-house gas emission, retard the rate of global warming and AQI in the surroundings.

Programme Details: The seminar started around 11:30 AM. The following activities were conducted:

1. Welcome Address: The programme was inaugurated with a welcome address delivered by the Dr. Chandan Roy, Principal, highlighting the importance of measuring your own carbon foot-print to palliate the current air quality and rising temperature.
2. A seminar on carbon-neutrality: Dr. Priyanjalee Banerjee, H.o.D. of Zoology and Convenor Nature Club, RSM delivered speech on Problems related to green-house gas


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Raiganj, U/D



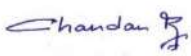
emission and the relevance of measuring own carbon-footprint to become a sensible and responsible citizen of India. The title of her presentation was “Beyond camps environmental initiatives on carbon neutrality: a step towards Sanshuddhi.

3. Interactive Session: The main session of oration was then followed by a Q&A interactive session, where the queries of the audiences were being discussed.
4. Conclusion and Feedback: The programme concluded with a vote of thanks extended to all participants for their active involvement. Participants had been asked to assess their experience and suggestions were asked for future such initiatives.

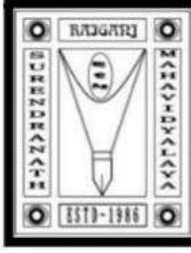
Outcome: The participants learnt how to contribute in sustainable development and aid in building up clean and pollution-free environment, can effectively manage their carbon footprint. They learnt about how to measure their contribution in air pollution (carbon foot-print) through several android applications.

Conclusion: The seminar series organized by Department of Zoology in collaboration with Nature Club, RSM served as a commendable effort towards promoting environmental stewardship among participants. It not only disseminates knowledge among the villagers but also inculcate a sense of ecological responsibility among the participants, emphasizing the importance of sustainable living by cutting down their own carbon footprint.

Acknowledgment: We extend our sincere gratitude to all the participants, teaching and non-teaching staff who contributed to the success of the programme.


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e-BANNER FOR AWARENESS CAMPAIGN



Beyond campus environmental initiatives on carbon neutrality: a step towards Sanshuddhi

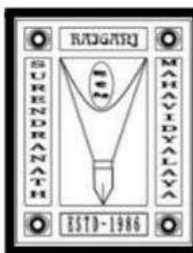
Organized by: Department of Zoology in collaboration with Nature Club, Raiganj
Surendranath Mahavidyalaya

Outreach Program,
29th May, 2023

Chandan B.

Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





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PROGRAMME SCHEDULE




Beyond Campus environment initiative on carbon neutrality: a step towards Sanshuddhi

Organized by
Department of Zoology in collaboration with Nature Club, Raiganj Surendranath Mahavidyalaya

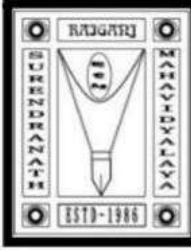
Date: 29.05.2023, Venue: Rabindra Kakasya

Programme Schedule

11:30 a.m. to 11:50 a.m.	Introductory Speech by Dr. Chandan Roy, Principal, RSM
11:50 a.m. to 12:50 p.m.	Carbon-foot printing & its relevance in current situation Presentation by Dr. Priyanjalee Banerjee H.o.D. Zoology, Convenor Nature Club
12:50 p.m. to 1:00 p.m.	Vote of Thanks by Dr. Abdus Sabur, Member of Nature Club


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ATTENDANCE SHEET

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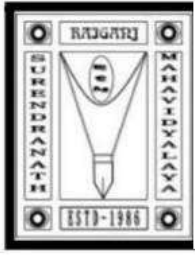
Date: 29.05.2023

ND
BEYOND CAMPUS ENVIRONMENTAL INITIATIVES ON CARBON NEUTRALITY
Organized by Department of Zoology in collaboration with Nature Club, RSM

NAME	SIGNATURE
DR CHANDAN ROY, PRINCIPAL	[Signature] 29-05-2023
Dr. Abhimandan Das	[Signature]
Dr. Rajesh Das	[Signature]
Dr. Piyamala Banerjee	[Signature]
Dr. Madhusu Sekhar	[Signature]
Dr. Madhusu Sekhar	[Signature]
Romashree Karman	[Signature]
Nandini Das	[Signature]
Mini Ghosh	[Signature]
Sumo Saha	[Signature]
Subrata Banerjee	[Signature]
Saharun Kham	[Signature]
Rupa Rani Das	[Signature]
Reba Rani Das	[Signature]
Surbha Rani Das	[Signature]
Samrat Saha	[Signature]
Rahul Das	[Signature]
Madhava	[Signature]
Soumitra Das	[Signature]
Samar K. Saha	[Signature]

Chandan Roy
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Beyond campus initiative to stir awareness on carbon neutrality

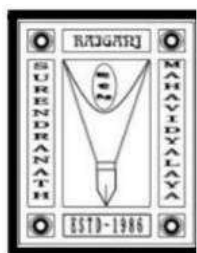
29th May 2023



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Annexure III (spreading environmental awareness)



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Report-IIIRD report from annexure I

Tree Plantation Programme Report (abridged from original report of fortnight World Environment Day Celebration) [5 June 2024]

Organized by: NSS Unit II, Department of Botany, Zoology, Geography, and Economics of Raiganj Surendranath Mahavidyalaya in collaboration with Nature Club, RSM

Venue: Abhor and Madhupur area

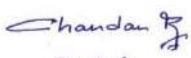
Participants: Students, faculties and Laboratory assistants from organizing Departments, NSS unit II members

Introduction: On 5th June 2024, the NSS Unit II NSS Unit II, Department of Botany, Zoology, Geography, and Economics of Raiganj Surendranath Mahavidyalaya in collaboration with Nature Club, RSM organized tree plantation drive as a part of seminar cum outreach program to sensitize people about the impact of behavioural changes on environment and biodiversity at Abhor and Madhupur area. The initiative aimed to foster environmental consciousness among students and contribute to the greenery.

Purpose: The primary objective of the tree plantation programme was to promote environmental sustainability and create awareness about the importance of trees in maintaining ecological balance. By actively involving students in tree plantation activities, the organizers aimed to stimulate a sense of responsibility towards the environment.

Programme Details: The tree plantation and sensitization programme commenced at 10:30 AM (started from campus) and continued until 3:30 PM. The following activities were conducted:

1. Sapling distribution and Plantation Activity: Saplings of various indigenous tree species, particularly fruit and flowering trees were distributed and planted for their suitability to the local climate and ecosystem.


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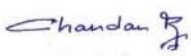


5. **Demonstration on Plantation Techniques:** A brief demonstration on proper plantation techniques, including digging pits, handling saplings, and watering, was provided to the students to ensure the optimal growth of the planted trees.
6. **Interactive Session:** An interactive session was conducted, allowing students to discuss the importance of tree plantation in mitigating environmental challenges such as air pollution, soil erosion, and climate change. The session encouraged students to brainstorm ideas for sustaining the greenery of the campus.
7. **Conclusion and Feedback:** The programme concluded with a vote of thanks extended to all participants for their active involvement. Feedback was collected from the students to assess their experience and gather suggestions for future plantation drives.

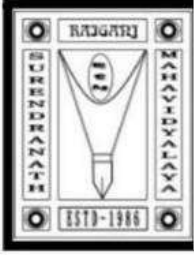
Outcome: The tree plantation and sensitization programme witnessed enthusiastic participation from students, teaching and non-teaching staffs who actively contributed to enhancing the green cover of the locality. The initiative not only facilitated the planting of saplings but also inspired students to adopt eco-friendly practices and take collective action for environmental conservation.

Conclusion: The tree plantation programme served as a commendable effort towards promoting environmental stewardship among students. It not only beautified the college adapted villages but also instilled a sense of ecological responsibility among the participants, emphasizing the importance of sustainable living.

Acknowledgment: We extend our sincere gratitude to all the participants, faculty members, and volunteers who contributed to the success of the tree plantation programme.


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Awareness campaign for Green Environment, conservation of Nature and natural resources

5th June 2024 (Abhor village)



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Raiganj, U/D



*Criterion7: Institutional Values and
Best Practices*

*Documents: 7.1. 3: Policy document on
Environmental Energy Usages
certificate from auditing agency*

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IAF CODE: 37

Certificate No	: 24EQNN03	Issuance Date	: 18/05/2024
Initial Registration Date	: 18/05/2024	Date of Expiry*	: 17/05/2027
1st Surv. Due	: 18/04/2025	2nd Surv. Due	: 18/04/2026

Director



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Assurance Quality Certification LLC

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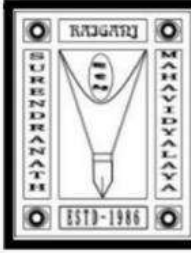
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Initial Registration Date	: 18/05/2024	Date of Expiry*	: 17/05/2027
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Accredited
EnMS Certification
CAB # 012226


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MEMBER OF MULTILATERAL
RECOGNITION ARRANGEMENT

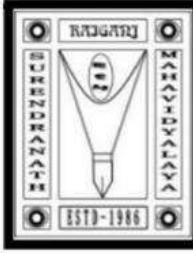

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Director


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EMS Certification
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IAF
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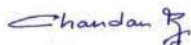

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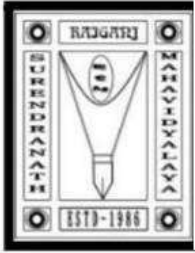


*Criterion7: Institutional Values and
Best Practices*

*Documents: 7.1. 3:
Green/Environmental audit report
from recognized bodies*


Principal
Raiganj Surendranath Mahavidyalaya
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As part of the Institution's Initiatives for a Healthy & Sustainable College the
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We appreciate the immense efforts taken by Staff and Students towards the
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Issued on April, 2018 valid till March, 2019

Anandesh K. Mandal



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- Certified PG Diploma in Fire and Safety Management from Jawaharlal Nehru Technological University Hyderabad (Cert. No. 15359120506)

UMA Apartment, Rishi Arobindo Road, Madhyamgram, Kolkata-700130
Email ID: managementsystemconsultancy@gmail.com
Website: www.managementsystemconsultancy.in

Chandan K
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Amalesh K. Manda



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Amalesh Kr. Mondal



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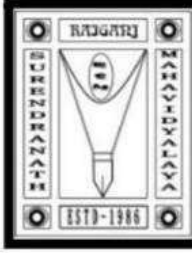
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Chandan

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Raiganj, U/D





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Amalish Kr. Mondal



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Amalesh Kr. Mondal



Chandan J
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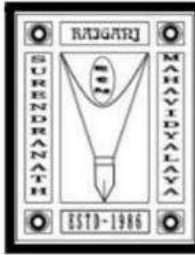
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UMA Apartment, Rishi Arobindo Road, Madhyamgram, Kolkata-700130

Email ID: managementsystemconsultancy@gmail.com

Website: www.mangementsystemconsultancy.in



Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
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NAAC accredited College with "B+" Grade

Certificates of Energy, Green and Quality audits for 2020-2021



MANAGEMENT SYSTEM CONSULTANCY

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Energy Audit Certificate

This Certificate is awarded to

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As part of the Institution's Initiatives for a Healthy & Sustainable College the
audit was conducted.

We appreciate the immense efforts taken by Staff and Students towards the
Energy Management and Conservation.

Issued on April, 2020 valid till March, 2021

Amalish Kr. Mandal



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Chandan K

Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





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MANAGEMENT SYSTEM CONSULTANCY

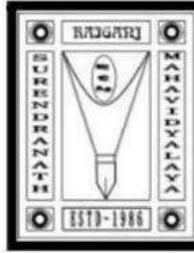
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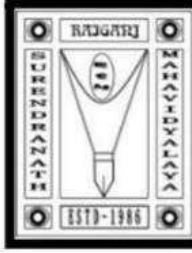
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EXTERNAL AUDIT REPORTS OF LAST SESSION (2022-2023)

Assurance Quality Certification LLC	F19EN18 Issue 01 Rev 05
ISO 50001:2018	
Stage 1 Energy Audit Report	

Name of the Organization	RAIGANJ SURENDRANATH MAHAVIDYALAYA	
Address	RAIGANJ, UTTAR DINAJPUR, PIN – 733134 WEST BENGAL	
Site Address (If any)		
No. of Employees	Teaching = 67, Non-teaching = 23, Lab attendant = 3, Lady attendant = 1, Guard =2, Electrician=1, Total = 97	
No. Of Shift	1	
E mail id	mda_sunam@yahoo.co.in	
Contact Person	Dr. Chandan Roy (Principal)	
Telephone/Fax	+913523-246155,	
Scope	Raiganj Surendranath Mahavidyalaya is a coeducational general-degree college. The college offers three-year Bachelor of Arts (B.A.) and Bachelor of Science (B.Sc.) degrees under the University of Gour Banga. Excellent facilities include science laboratories, library with e-resource, office equipped with network, recreation room, music room, language training center, computer training center, learning support and carrier corner, etc. The college has experienced tremendous growth in recent years, which leads to opening newer opportunities to Post Graduation through Distance Education mode under Rabindra Bharati University. There are environment friendly practice and education combine to promote sustainable and eco-friendly practices in the campus.	
Technical Area	Teaching, Learning and Evaluation, Capacity Building, Skill Enhancement, Institutional Social Responsibility	
Audit Team	Lead Auditor: Amallesh Kr. Mandal Auditor: Technical Expert	Audit duration Man day(s): Technical Expert
Starting date of Audit	21.06.2023	
End Date of Audit	21.06.2023	


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D




Assurance Quality Certification LLC	F19EN18 Issue 01 Rev 05
ISO 50001:2018	
Stage 1 Energy Audit Report	

Brief about the organization	<p>Raiganj Surendranath Mahavidyalaya was established in 1986 with the intention of meeting the educational needs of rural and suburban youth in the surrounding area. The land of the College was donated by Mr. Shailendra Narayan Sen in loving memory of his father Surendranath Sen and hence the College was named as Raiganj Surendranath Mahavidyalaya. Although initially planned as a Women’s College, it later evolved into a coeducational undergraduate degree college affiliated under the University of North Bengal. In 2008, the college became affiliated with the University of Gour Banga. It is currently the largest college in the district, with a student population exceeding 5000. In 2016, the college received accreditation from NAAC at the B+ level. The college now offers four-year Bachelor of Arts (B.A.) and Bachelor of Science (B.Sc.) programs under the New Education Policy of 2000. Situated in the northern part of Raiganj town, the campus features a modern three-storied building with top-notch facilities, including five air-conditioned science laboratories, a library with e-resources, and two air-conditioned auditoriums, one AC Teachers’ Common Room, office equipped with network, two AC Guest Room, music room, Computer Training Centres, Boys’ Common Room & Girls’ Common Room, two Canteen with one Dining Room, one Cheap Stores, Selfie Zone, Learning Support Centres of two Open Universities (Rabindra Bharati University & Netaji Subhas Open University) etc. The college has shown a significant dedication to promoting academic excellence in Raiganj and its surrounding areas. It is currently enhancing opportunities in important undergraduate programs. The College offers Certificate Courses in Photography and Journalism & Mass Communication as well as Add-on courses such as Early Childhood Development and Karate Excellence. In recent years, the college has seen substantial growth in various activities, creating new opportunities in multiple areas.</p>
Audit Objective	To evaluate the client's documented system, location & site-specific conditions and gather other details through discussions with the client's personnel to determine the organization’s readiness for the Stage 2 Audit for Certification

CHANGE DETAIL

Audit Duration for Stage 1	
Are quoted man-days adequate?	Yes
Any change in employee detail?	None
Any Change in Scope?	None



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 Raiganj, U/D



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ISO 50001:2018	
Stage 1 Energy Audit Report	

Any additional Information:	None
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ATTENDENCE SHEET:

NAME OF PERSON	DESIGNATION
<i>Amalesh K. Manda</i>	Lead Auditor
	Principal, Raiganj Surendranath Mahavidyalaya
<i>Rakhee Das Bhowmik</i>	Associate Professor in Botany, Raiganj Surendranath Mahavidyalaya
<i>Abdus Sabur</i>	Assistant Professor in Botany, Raiganj Surendranath Mahavidyalaya
<i>Priyankales Banerjee</i>	Assistant Professor in Zoology, Raiganj Surendranath Mahavidyalaya
<i>Mr. Anant Kumar</i>	SACT in Botany, Raiganj Surendranath Mahavidyalaya
<i>Tamil Anand</i>	SACT in Geography, Raiganj Surendranath Mahavidyalaya

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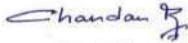
SUMMARY OF AUDIT

AREA OF IMPROVEMET	
(Areas of Improvement Which May be Identified as Non Conformities During Stage 2 Audit)	
1	Communication/Display of policy
2	Communication/Display of Objectives

Non-Conformities Raised

0 Minor/Major Non Conformance identified in the Stage 1 audit, details of Non Conformance in F50.



Please respond by using your own corrective action form and include the root cause analysis with systemic corrective action. Failure to include root cause analysis with systemic corrective action will result in your responses being rejected by Lead Auditor

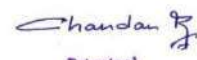

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Team Leader Declaration (Tick or cross Each Column as per applicability)	
√	Auditing is based on a sampling process of the available information
√	Audit is combined, joint or integrated;
√	The effectiveness of corrective actions taken regarding previously identified
√	nonconformities have verified
√	Outcomes are effective and complying.
√	The internal audit and management review process are effective and complying with the requirements.
√	The scope of certification is appropriate.
√	The capability of the management system to meet applicable requirements and expected
√	The audit objectives have been fulfilled and achieved.
RECOMMENDATION	
√	Recommended Proceeding with Stage 2 (within 60 days from this audit date)
×	Recommend not proceeding to stage 2 until audit evidence has been submitted to AQC showing that the concerns raised by the auditor (s) have been rectified. A date for stage 2 will then be agreed.
×	Recommend not proceeding without a further stage 1 Audit due to the severity of the concerns raised by the audit team

Sign Off : Date 21.06.2023	
AQC Report Submission	Client Acceptance for Report
Name of Auditor: Amallesh Kr. Mandal  Signature: Authorization: Empanelled Auditor from IAF accredited Certification Body, Energy Auditor from National Productivity Council, IRCA Accredited Lead Auditor on ISO 50001:2018	 Sign Name: Dr. Chandan Roy Designation: Principal, Raiganj Surendranath Mahavidyalya

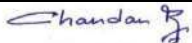

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AUDIT CHECKLIST

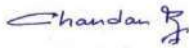
REQUIREMENTS	COMMENTS	Status C/NC/O
Is the Information documented as required as per the ISO 50001:2018?	Manual and other documented information available. (Doc. Ref. No. ENMS/L1, dtd. 02.04.2022) and other documented information available.	C
Has the discussion been held with personnel of the Client company for readiness for stage-2?	Yes. Within next month the Stage-2 needs to be completed, discussed and finalized as per discussion with the Principal and IQAC coordinator.	C
Has the Client site specific conditions been evaluated?	Established, implemented and the Scope has been set as per Site specific. (Under clause 4.3 of ENMS/L1 Manual). They are maintaining their Green monitoring report year to year wise to evaluate the environment performance.	C
Has the company identified energy performance indicators, Energy baseline, Energy objectives, energy targets and energy management action plans?	Respective Energy project found taken by Authority. Like "Efficient use of Energy Resources" *Energy source and power consumption captured in Green monitoring report. Data available.	C
Is the client having understanding with the ISO 50001:2018 Standard requirement and other requirement site specific?	Yes. Awareness training has been conducted by an external consultant. 1. Training on Standard given by External body "Management System Consultancy" 2. Other training/Conference/Campaign reference also found available.	C


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Is the scope having boundaries and specific to client organization?	Scope defined in Manual and found as per course delivery.	C
If a client has Multisite then level of control is established.	Not applicable	C
Is organization analyze energy used and consumption based on measurement and other data: (Identify current energy sources/evaluate past and present energy use and consumption?)	Measurement done on Bill monitoring, list of energy sources are available, significant energy sources identified and included in Green monitoring report for review.	C
Based on the analysis of energy used and consumption, is the organization identifying the areas of significant energy use.(identify the facilities, equipment, systems, processes and personnel working for, or on behalf of, the organization that significantly affect energy use and consumption?)	List of energy sources are available, significant energy sources identified. Energy program found. Last one year Energy consumed total 30,518 kilo Watt and total bill value Rs. 2,31,649/-	C
Has the organisation identified EnPIs (energy performance indicators) appropriate for monitoring and measuring your energy performance?	Energy baseline declared as last year consumption. EnPI is set in the form of Energy Projects. *Energy efficiency utilization project taken *Secondary power utilization project taken in planning *Campaign/display project taken to aware other stakeholders – Power consumption signage done in different classrooms, canteen, field all around the colleges. Awareness programme also done in adopted village.	C

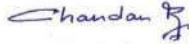

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Stage 1 Energy Audit Report	

Has the organisation identified, implemented and have access to the applicable legal requirements and other requirements to which organization subscribes related to energy use, consumption and efficiency?	Purash Kanpur Haridas Nandi Mahavidyalaya is a private institution, established in 1966 and located in Howrah, West Bengal. It is one of the oldest rural general degree colleges in Howrah district affiliated to the University of Calcutta. The college has been accredited with Grade B+ by NAAC. The institute is recognized by University Grant Commission (UGC).	C
Are the resources adequate for stage 2 audit?	Yes, documented information found established as per standard requirement and organization requirements. So proposed for stage-2 audit. The implementation and monitoring system will be checked in stage-2 audit.	C
Is Internal Audit planned and performed and effective?	Yes, Internal Audit Report w.r.t Year to year Green monitoring checks found conducted and maintained properly against all possible parameters.	C
Is MRM planned and performed and Effective?	Yes, their committee meeting outcome was maintained. Last conducted month of January, 2023	C

END OF REPORT


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F20EN18 Issue 01 Rev 05
ISO 50001:2018	
Stage 2 Energy Audit Report	

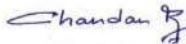
Name of the Organization	RAIGANJ SURENDRANATH MAHAVIDYALAYA	
Address	RAIGANJ, UTTAR DINAJPUR, PIN – 733134 WEST BENGAL	
Site Address (If any)		
No. of Employees	Teaching = 67, Non-teaching = 23, Lab attendant = 3, Lady attendant = 1, Guard =2, Electrician=1, Total = 97	
No. of Shift	1	
E mail id	mda_sunam@yahoo.co.in	
Contact Person	Dr. Chandan Roy (Principal)	
Telephone/Fax	+913523-246155,	
Scope	Raiganj Surendranath Mahavidyalaya is a coeducational general-degree college. The college offers three-year Bachelor of Arts (B.A.) and Bachelor of Science (B.Sc.) degrees under the University of Gour Banga. Excellent facilities include science laboratories, library with e-resource, office equipped with network, recreation room, music room, language training center, computer training center, learning support and carrier corner, etc. The college has experienced tremendous growth in recent years, which leads to opening newer opportunities to Post Graduation through Distance Education mode under Rabindra Bharati University. There are environment friendly practice and education combine to promote sustainable and eco-friendly practices in the campus.	
Technical Area	Teaching, Learning and Evaluation, Capacity Building, Skill Enhancement, Institutional Social Responsibility.	
Audit Team	Lead Auditor: Amalesh Kumar Mandal Auditor: Technical Expert	No of Mandays: 1
Starting date of Audit	12.07.2023	
End date of Audit	12.07.2023	


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F20EN18 Issue 01 Rev 05
ISO 50001:2018	
Stage 2 Energy Audit Report	

Brief about the organization	<p>Raiganj Surendranath Mahavidyalaya was established in 1986 with the intention of meeting the educational needs of rural and suburban youth in the surrounding area. The land of the College was donated by Mr. Shailendra Narayan Sen in loving memory of his father Surendranath Sen and hence the College was named as Raiganj Surendranath Mahavidyalaya. Although initially planned as a Women’s College, it later evolved into a coeducational undergraduate degree college affiliated under the University of North Bengal. In 2008, the college became affiliated with the University of Gour Banga. It is currently the largest college in the district, with a student population exceeding 5000. In 2016, the college received accreditation from NAAC at the B+ level. The college now offers four-year Bachelor of Arts (B.A.) and Bachelor of Science (B.Sc.) programs under the New Education Policy of 2000. Situated in the northern part of Raiganj town, the campus features a modern three-storied building with top-notch facilities, including five air-conditioned science laboratories, a library with e-resources, and two air-conditioned auditoriums, one AC Teachers’ Common Room, office equipped with network, two AC Guest Room, music room, Computer Training Centres, Boys’ Common Room & Girls’ Common Room, two Canteen with one Dining Room, one Cheap Stores, Selfie Zone, Learning Support Centres of two Open Universities (Rabindra Bharati University & Netaji Subhas Open University) etc. The college has shown a significant dedication to promoting academic excellence in Raiganj and its surrounding areas. It is currently enhancing opportunities in important undergraduate programs. The College offers Certificate Courses in Photography and Journalism & Mass Communication as well as Add-on courses such as Early Childhood Development and Karate Excellence. In recent years, the college has seen substantial growth in various activities, creating new opportunities in multiple areas.</p>
Purpose of Audit	<p>To verify the implementation of the Energy Management System as per the ISO 50001:2018 Standards Requirement, verification of records for the conformity of the implementation.</p>


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D




Assurance Quality Certification LLC	F20EN18 Issue 01 Rev 05
ISO 50001:2018	
Stage 2 Energy Audit Report	

CHANGE DETAIL:

Audit Duration for Stage 2	
Are quoted man-days adequate?	Yes
Any change in employee detail?	None
Any Change in Scope?	None
Any additional Information:	None

ATTENDENCE SHEET:

NAME OF PERSON	DESIGNATION
<i>Amalish K. Mandel</i>	
	Principal, Raiganj Surendranath Mahavidyalaya
<i>Rakhee Das Basuar</i>	Associate Professor in Botany, Raiganj Surendranath Mahavidyalaya
<i>Abdus Sabur</i>	Assistant Professor in Botany, Raiganj Surendranath Mahavidyalaya
<i>Priyanjali Banerjee</i>	Assistant Professor in Zoology, Raiganj Surendranath Mahavidyalaya
<i>Md. Amatul Afam</i>	SACT in Botany, Raiganj Surendranath Mahavidyalaya
<i>Tarun Anand</i>	SACT in Geography, Raiganj Surendranath Mahavidyalaya

Chandan J
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D



Assurance Quality Certification LLC	F20EN18 Issue 01 Rev 05
ISO 50001:2018	
Stage 2 Energy Audit Report	

SUMMARY OF AUDIT

AREA OF IMPROVEMENTS	
1	No such significant area identified as critical w.r.t energy consumption

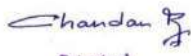
Non-Conformities Raised

0 Minor/Major Non-conformance identified in the Stage 2 audit, details of Non Conformance in F50

Please respond by using your own corrective action form and include the root cause analysis with systemic corrective action. Failure to include root cause analysis with systemic corrective action will result in your responses being rejected by Lead Auditor

Team Leader Declaration (Tick or cross Each Column as per applicability)

√	Auditing is based on a sampling process of the available information
√	Audit is combined, joint or integrated;
√	The effectiveness of corrective actions taken regarding previously identified
√	nonconformities has verified
√	outcomes are effective and complying.
√	The internal audit and management review process are effective and complying with the requirements.
√	The scope of certification is appropriate.
√	The capability of the management system to meet applicable requirements and expected
√	The audit objectives has been fulfilled and achieved.


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D






Assurance Quality Certification LLC	F20EN18 Issue 01 Rev 05
ISO 50001:2018	
Stage 2 Energy Audit Report	

Recommendation:

√	The quality system complies with the requirements of the reference standard: Congratulations, on the basis of the above summary, Lead Auditor is pleased to put forward a recommendation for Issuance of Certificate. The organization can use the AQC Mark
×	The quality system complies with the requirements of the reference standard with exception of minor NC: Congratulations, Team Leader is pleased to put forward a recommendation for Issuance of the certificate of Organization upon off-site verification of closure of all minor NC within 60 days from the date of Stage 2 audit. Responses to the non-conformances should be submitted to AQC and must include supporting evidence of closure to allow for off-site verification. In responding to the non-conformances, the organization should consider the root cause of the non-conformance and the potential for related issues in other parts of the system. If all non-conformances are not closed within 60 days, a full reassessment may be required.
×	Evidence of major non conformities: Organization is not recommended for Issuance of Certificate and at this time. Follow-up audit will be scheduled to allow for on-site verification and closure of all issues within 60 days from the date of Stage 2. Once all non-conformances are closed, the recommendation for Issuance of certification may be recommended. If all non-conformances are not closed within 60 days, a full reassessment may be required.
×	Not Recommended: Organization is not recommended for Issuance of certificate at this time. Full Stage 2 audit is required as the organisation has not implemented the system and process at pace.
<i>Proposed Audit Date for 1st Surveillance Audit 11.07.2024 (mm/dd/yy)</i>	

Sign Off : (Date) 12.07.2023

AQC Report Submission	Client Acceptance for Report
Name of Team Leader: Amalesh Kr. Mandal Signature:  Authorization: Empanelled Auditor from IAF accredited Certification Body, Energy Auditor from National Productivity Council, IRCA Accredited Lead Auditor on ISO 50001:2018	 Sign Name: Dr. Chandan Roy Designation: Principal, Raiganj Surendranath Mahavidyalaya


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D

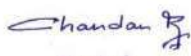


Assurance Quality Certification LLC	F20EN18 Issue 01 Rev 05
ISO 50001:2018	
Stage 2 Energy Audit Report	

AUDIT CHECKLIST

VERIFICATION OF DOCUMENTED INFORMATION & RECORDS AS PER STD REQUIREMENT (C- Conformity, NC-Non-Conformity, O-Observation)
--

Clause Number	C/NC/ O	Document Verification detail with statement of Conformity
4 Context of the organization		
4.1 Understanding the organization and its context (External and Internal Issues)	C	Identified and included in Manual. (Under clause 4.1 of Doc. Ref. No. ENMS/L1, dtd. 02.04.2022) *To capture those issues Staff and student feedback process was initiated and documented for review.
4.2 Understanding the needs and expectations of interested parties (Need & Expectation of Interested parties)	C	Identified and included in Manual. (Under clause 4.2 of Doc. Ref. No. ENMS/L1, dtd. 02.04.2022) *To capture those issues Staff and student feedback process was initiated and documented for review.
4.3 Determining the scope of the energy management system	C	Scope established and included in Manual. (Under clause 4.3 of ENMS/L1 Manual) Scope defined in Manual and found as per course delivery. Verified against their affiliation.
4.4 Energy management system	C	Process Flow/Process description found established as guided by accreditation norms. Reference: Affiliation/accreditation related documents found available
5 Leadership		
5.1 Leadership and commitment (Ensure Top Management Commitment)	C	Interviewed with Top Management (Here Principal), found committed to communication of respective Energy Policies, Projects and implementation of Energy specific Projects. Communication made through mail, Display and through campaign
5.2 Energy policy (Documented, communicated, availability and Review)	C	Energy Policy established and displayed on the notice board, signed by the Principal. Advise them to display for other stakeholders as well as on the Website.


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F20EN18 Issue 01 Rev 05
ISO 50001:2018	
Stage 2 Energy Audit Report	

5.3 Organization roles, responsibilities and authorities (Assigned and communicated by Top Management)	C	Defined in Manual and available in the College office. Ref. Organogram maintained
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6 Planning

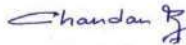
6.1 Actions to address risks and opportunities	C	Risk Register found maintained (Doc. Ref. No. EnMS/POT/E-RISK/01), initially found 3 nos Energy risk identified.
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6.2 Objectives, energy targets and planning to achieve them (Consistent with Energy Policy, SEU, documented, measurable, communicated and updated)	C	Energy Objectives found established and planned to achieve action (MAP), Projects taken Like “Efficient use of Energy Resources” and monitoring methodology found set to achieve the goal.
---	---	--

6.3 Energy review (Current type of energy use, past and current consumption, documented and updated)	C	<p>Energy review has been done based on Meter reading study and kept as documented information.</p> <p>Current list of Energy sources found available including Significant energy sources in their Green monitoring report for review.</p> <p>List of energy source in the institution:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Electrical device/items</th> <th style="text-align: center;">Number</th> </tr> </thead> <tbody> <tr> <td>Normal Tubelight</td> <td style="text-align: center;">118</td> </tr> <tr> <td>LED Tube light</td> <td style="text-align: center;">79</td> </tr> <tr> <td>Normal Bulb</td> <td style="text-align: center;">15</td> </tr> <tr> <td>LED Bulb</td> <td style="text-align: center;">20</td> </tr> <tr> <td>Ceiling Fan</td> <td style="text-align: center;">267</td> </tr> <tr> <td>Wall fan</td> <td style="text-align: center;">21</td> </tr> <tr> <td>Exhaust fan</td> <td style="text-align: center;">25</td> </tr> <tr> <td>AC</td> <td style="text-align: center;">26</td> </tr> </tbody> </table>	Electrical device/items	Number	Normal Tubelight	118	LED Tube light	79	Normal Bulb	15	LED Bulb	20	Ceiling Fan	267	Wall fan	21	Exhaust fan	25	AC	26
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6.4 Energy performance indicators (Documented and updated)	C	<p>Documented in the form of Energy projects.</p> <p>List of projects:</p> <ol style="list-style-type: none"> 1. Energy Efficiency 2. Secondary power
---	---	---


6.5 Energy baseline (Documented and review periodically and retention)	C	Energy baseline declared as last year Power consumption, accordingly projects taken to review and reduce the Power.
---	---	---


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F20EN18 Issue 01 Rev 05
ISO 50001:2018	
Stage 2 Energy Audit Report	

6.6 Planning for collection of energy data (Accuracy and repeatable, documented and retention)	C	Electrical Energy bill statements kept available for further review. Last one year Energy consumed total 30,518 kilo Watt and total bill value Rs. 2,31,649/-
7 Support		
7.1 Resources (Determination of resource required)	C	Resource requirements discussed in committee meetings. Outcome of meeting available. Meeting outcome details for any projects found available
7.2 Competence (determine, documented and retain the competence)	C	Training planning and related training records found available. Awareness training conducted by External consultant. 1. Training on Standard given by External body “Management System Consultancy” 2. Other Training/conference/campaign details found available. 3.
7.3 Awareness (Objective, Policy, Non-Conformance of EnMS)	C	Done through training and display. 1. Training on Standard given by External body “Management System Consultancy”
7.4 Communication (What, When, With Whom, How & Who)	C	Done through display, mail, meeting minutes. Reference campaign details found available.
7.5 Documented information (Creation, Updating, Control, Retention, External Origin, Storage & Preservation)	C	Control of documented information procedure established. Control of documented information procedure established. Syllabus/Course details available with them
8 Operation		
8.1 Operational planning and control (Documented, Plan, Implement, Control the process related to SEU and communication)	C	Operational procedures established supported with work instructions and related records. Project review checked
8.2 Design (Documented, Specification, design consideration)	C	Design part not included
8.3 Procurement (Establish & Implement criteria for evaluating energy performance)	C	Effectively implemented, tendering system applicable in procurement. Comparative statement found available against any purchase.
9 Performance evaluation		

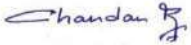

 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F20EN18 Issue 01 Rev 05
ISO 50001:2018	
Stage 2 Energy Audit Report	

9.1.1 General (Monitoring, measurement, analysis and evaluation of energy performance and the EnMS)	C	Criteria set against each Project mapping, to monitor the performance and effectiveness of the Energy performance. Current Status: 1. Project mapping Vs. monitoring
9.1.2 Evaluation of compliance with legal requirements and other requirements	C	Purash Kanpur Haridas Nandi Mahavidyalaya is a private institution, established in 1966 and located in Howrah, West Bengal. It is one of the oldest rural general degree colleges in Howrah district affiliated to the University of Calcutta. The college has been accredited with Grade B+ by NAAC. The institute is recognized by University Grant Commission (UGC).
9.2 Internal audit (Frequency and Effectiveness)	C	Yes, Internal Audit Report w.r.t Year to year Green monitoring checks found conducted and maintained properly against all possible parameters.
9.3 Management review (Frequency and input/output)	C	Yes, their committee meeting outcome was maintained. Last conducted month of January, 2023
10 Improvement		
10.1 Nonconformity and corrective action	C	Procedure established and monitored through project planning.
10.2 Continual improvement	C	Objective and monitoring data found available.

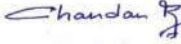
END OF REPORT


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F15 Issue 01 Rev 05
ISO 14001:2015	
Stage 1 Environment Audit Report	

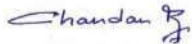
Name of the Organization	RAIGANJ SURENDRANATH MAHAVIDYALAYA	
Address	RAIGANJ, UTTAR DINAJPUR, PIN – 733134 WEST BENGAL	
Site Address (If any)		
No. of Employees	Teaching = 67, Non-teaching = 23, Lab attendant = 3, Lady attendant = 1, Guard =2, Electrician=1, Total = 97	
E mail id	1	
Contact Person	mda_sunam@yahoo.co.in	
Telephone/Fax	Dr. Chandan Roy (Principal)	
Scope	Raiganj Surendranath Mahavidyalaya is a coeducational general-degree college. The college offers three-year Bachelor of Arts (B.A.) and Bachelor of Science (B.Sc.) degrees under the University of Gour Banga. Excellent facilities include science laboratories, library with e-resource, office equipped with network, recreation room, music room, language training center, computer training center, learning support and carrier corner, etc. The college has experienced tremendous growth in recent years, which leads to opening newer opportunities to Post Graduation through Distance Education mode under Rabindra Bharati University. There are environment friendly practice and education combine to promote sustainable and eco-friendly practices in the campus.	
Technical Area	Teaching, Learning and Evaluation, Capacity Building, Skill Enhancement, Institutional Social Responsibility	
Exclusions	None	
Audit Team	Lead Auditor: Amalesh Kr. Mandal Auditor: Technical Expert:	Audit duration Man day(s):
Start date of Audit	21.06.2023	
End Date of Audit	21.06.2023	


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F15 Issue 01 Rev 05
ISO 14001:2015	
Stage 1 Environment Audit Report	

Brief about the organization	<p>Raiganj Surendranath Mahavidyalaya was established in 1986 with the intention of meeting the educational needs of rural and suburban youth in the surrounding area. The land of the College was donated by Mr. Shailendra Narayan Sen in loving memory of his father Surendranath Sen and hence the College was named as Raiganj Surendranath Mahavidyalaya. Although initially planned as a Women’s College, it later evolved into a coeducational undergraduate degree college affiliated under the University of North Bengal. In 2008, the college became affiliated with the University of Gour Banga. It is currently the largest college in the district, with a student population exceeding 5000. In 2016, the college received accreditation from NAAC at the B+ level. The college now offers four-year Bachelor of Arts (B.A.) and Bachelor of Science (B.Sc.) programs under the New Education Policy of 2000. Situated in the northern part of Raiganj town, the campus features a modern three-storied building with top-notch facilities, including five air-conditioned science laboratories, a library with e-resources, and two air-conditioned auditoriums, one AC Teachers’ Common Room, office equipped with network, two AC Guest Room, music room, Computer Training Centres, Boys’ Common Room & Girls’ Common Room, two Canteen with one Dining Room, one Cheap Stores, Selfie Zone, Learning Support Centres of two Open Universities (Rabindra Bharati University & Netaji Subhas Open University) etc. The college has shown a significant dedication to promoting academic excellence in Raiganj and its surrounding areas. It is currently enhancing opportunities in important undergraduate programs. The College offers Certificate Courses in Photography and Journalism & Mass Communication as well as Add-on courses such as Early Childhood Development and Karate Excellence. In recent years, the college has seen substantial growth in various activities, creating new opportunities in multiple areas.</p>
Audit Objective	<p>To evaluate the client's documented system, location & site-specific conditions and gather other details through discussions with the client's personnel to determine the organization’s readiness for the Stage 2 Audit for Certification.</p>


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D


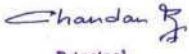


Assurance Quality Certification LLC	F15 Issue 01 Rev 05
ISO 14001:2015	
Stage 1 Environment Audit Report	

CHANGE DETAIL

Audit Duration for Stage 1	
Are quoted man-days adequate?	Yes
Any change in employee detail?	None
Any Change in Scope?	None
Any additional Information:	None

ATTENDENCE SHEET:

NAME OF PERSON	DESIGNATION
<i>Amalesh K.S. Mandaj</i>	Lead auditor
	Principal, Raiganj Surendranath Mahavidyalaya
<i>Rakhee Da Banoor</i>	Associate Professor in Botany, Raiganj Surendranath Mahavidyalaya
<i>Abdus Sabur</i>	Assistant Professor in Botany, Raiganj Surendranath Mahavidyalaya
<i>Priyanjalee Banerjee</i>	Assistant Professor in Zoology, Raiganj Surendranath Mahavidyalaya
<i>Md. Amatul Afam</i>	SACT in Botany, Raiganj Surendranath Mahavidyalaya
<i>Tamil Anwar</i>	SACT in Geography, Raiganj Surendranath Mahavidyalaya
	 Principal Raiganj Surendranath Mahavidyalaya Raiganj, U/D



Assurance Quality Certification LLC	F15 Issue 01 Rev 05
ISO 14001:2015	
Stage 1 Environment Audit Report	

SUMMARY OF AUDIT

AREA OF IMPROVEMENT	
(Areas Of Improvement Which May Be Identified As Non Conformities During Stage 2 Audit)	
1	Communication/Display of policy
2	Communication/Display of Objectives

Non-Conformities Raised

0 Minor/Major Non-conformance identified in the Stage 1 audit, details of Non-Conformance in F50


Please respond by using your own corrective action form and include the root cause analysis with systemic corrective action. Failure to include root cause analysis with systemic corrective action will result in your responses being rejected by Lead Auditor


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F15 Issue 01 Rev 05
ISO 14001:2015	
Stage 1 Environment Audit Report	

Team Leader Declaration (Tick or cross Each Column as per applicability)	
√	Auditing is based on a sampling process of the available information
√	Audit is combined, joint or integrated;
√	The effectiveness of corrective actions taken regarding previously identified
√	nonconformities have verified
√	Outcomes are effective and complying.
√	The internal audit and management review process are effective and complying with the requirements.
√	The scope of certification is appropriate.
√	The capability of the management system to meet applicable requirements and expected
√	The audit objectives have been fulfilled and achieved.
RECOMMENDATION	
√	Recommended Proceeding with Stage 2 (within 60 days from this audit date)
×	Recommend not proceeding to stage 2 until audit evidence has been submitted to AQC showing that the concerns raised by the auditor (s) have been rectified. A date for stage 2 will then be agreed.
×	Recommend not proceeding without a further stage 1 Audit due to the severity of the concerns raised by the audit team

Sign Off: Date 21.06.2023	
<p>AQC Report Submission</p> <p>Name of Auditor: Amalesh Kumar Mandal</p> <p style="text-align: center;"><i>Amalesh Kumar Mandal</i></p> <p>Signature:</p> <p>Authorization: Empanelled Auditor from IAF accredited Certification Body, Environment Management Certification from National Safety Council, Lead Auditor on ISO 14001:2015, Waste Management Certification from QCI and United Nations Institute for Training and Research.</p>	<p>Client Acceptance for Report</p> <div style="text-align: center;">  Principal Raiganj Surendranath Mahavidyalaya Raiganj, U/D </div> <p>Sign</p> <p>Name: Dr. Chandan Roy</p> <p>Designation: Principal, Raiganj Surendranath Mahavidyalaya</p>

Chandan Roy

Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D



Assurance Quality Certification LLC	F15 Issue 01 Rev 05
ISO 14001:2015	
Stage 1 Environment Audit Report	

AUDIT CHECKLIST

REQUIREMENTS	COMMENTS	Status C/NC/ O
Is the Information documented as required as per the ISO 14001:2015?	Manual (EMS/001 dtd. 02.04.2022) and other documented information available.	C
Has the discussion been held with personnel of the Client company for readiness for stage-2?	Yes. Within next month the Stage-2 needs to be completed, discussed and finalized as per discussion with the Principal and IQAC coordinator.	C
Are Process and support processes identified and determined?	Environment Manual found established. Respective Green, Environmental projects also established.	C
Has the Client site specific conditions been evaluated?	Established and implemented. They are maintaining their Green monitoring report year to year wise to evaluate the environment performance.	C
Has the company identified key performance, Process? Objectives, Impact and Aspect analysis and operation of Management System?	Yes. Environment related objectives and programs are found set and Environmental aspect/impact analysis found established. *3 nos aspects they have identified primarily and related impacts also been evaluated.	C


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F15 Issue 01 Rev 05
ISO 14001:2015	
Stage 1 Environment Audit Report	

Is the client having understanding with the ISO 14001:2015 Standard requirement and other requirement site specific?	<p>Yes. They have hired an external consultant for that too. Awareness done.</p> <ol style="list-style-type: none"> 1. Training on Standard given by External body "Management System Consultancy" 2. The NSS Unit II of Raiganj Surendranath Mahavidyalaya organizes a tree plantation programme at the nearby college campus. The initiative aimed to foster environmental consciousness among students and contribute to the greenery. 	C
Is the scope having boundaries and specific to client organization?	Scope defined in Manual and found as per course delivery.	C
If a client has Multisite then level of control is established.	Not applicable	C
Is the process and Equipment used adequate?	Ok as per current condition. Requirements discussed in committee meeting.	C
Has the client identified Legal and Statutory Requirements applicable to Product and Organization?	Purash Kanpur Haridas Nandi Mahavidyalaya is a private institution, established in 1966 and located in Howrah, West Bengal. It is one of the oldest rural general degree colleges in Howrah district affiliated to the University of Calcutta. The college has been accredited with Grade B+ by NAAC. The institute is recognized by University Grant Commission (UGC).	C
Is the resource being adequate for stage 2 audit?	Yes, documented information found established as per standard requirement and organization requirements. So proposed for stage-2 audit. The implementation and monitoring system will be checked in stage-2 audit.	C



 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F15 Issue 01 Rev 05
ISO 14001:2015	
Stage 1 Environment Audit Report	

Is Internal Audit planned and performed and effective?	Yes, Internal Audit Report w.r.t Year to year Green monitoring checks found conducted and maintained properly against all possible parameters.	C
Is MRM planned and performed and Effective?	Yes, their committee meeting outcome was maintained. Last conducted month of January, 2023	C

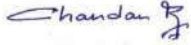
END OF REPORT


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F16 Issue 01 Rev 05
ISO 14001:2015	
Stage 2 Environment Audit Report	

Name of the Organization	RAIGANJ SURENDRANATH MAHAVIDYALAYA	
Address	RAIGANJ, UTTAR DINAJPUR, PIN – 733134 WEST BENGAL	
Site Address (If any)		
No. of Employees	Teaching = 67, Non-teaching = 23, Lab attendant = 3, Lady attendant = 1, Guard =2, Electrician=1, Total = 97	
NO. of Shift	1	
E mail id	mda_sunam@yahoo.co.in	
Contact Person	Dr. Chandan Roy (Principal)	
Telephone/Fax	+913523-246155,	
Scope	Raiganj Surendranath Mahavidyalaya is a coeducational general-degree college. The college offers three-year Bachelor of Arts (B.A.) and Bachelor of Science (B.Sc.) degrees under the University of Gour Banga. Excellent facilities include science laboratories, library with e-resource, office equipped with network, recreation room, music room, language training center, computer training center, learning support and carrier corner, etc. The college has experienced tremendous growth in recent years, which leads to opening newer opportunities to Post Graduation through Distance Education mode under Rabindra Bharati University. There are environment friendly practice and education combine to promote sustainable and eco-friendly practices in the campus.	
Technical Area	Teaching, Learning and Evaluation, Capacity Building, Skill Enhancement, Institutional Social Responsibility	
Exclusion	None	
Audit Team	Lead Auditor: Amalesh Kumar Mandal Auditor: Technical Expert:	No of Mandays: 1
Starting Date of Audit	12.07.2023	
End Date of Audit	12.07.2023	


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



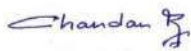
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ISO 14001:2015	
Stage 2 Environment Audit Report	

Brief about the organization	<p>Raiganj Surendranath Mahavidyalaya was established in 1986 with the intention of meeting the educational needs of rural and suburban youth in the surrounding area. The land of the College was donated by Mr. Shailendra Narayan Sen in loving memory of his father Surendranath Sen and hence the College was named as Raiganj Surendranath Mahavidyalaya. Although initially planned as a Women's College, it later evolved into a coeducational undergraduate degree college affiliated under the University of North Bengal. In 2008, the college became affiliated with the University of Gour Banga. It is currently the largest college in the district, with a student population exceeding 5000. In 2016, the college received accreditation from NAAC at the B+ level. The college now offers four-year Bachelor of Arts (B.A.) and Bachelor of Science (B.Sc.) programs under the New Education Policy of 2000. Situated in the northern part of Raiganj town, the campus features a modern three-storied building with top-notch facilities, including five air-conditioned science laboratories, a library with e-resources, and two air-conditioned auditoriums, one AC Teachers' Common Room, office equipped with network, two AC Guest Room, music room, Computer Training Centres, Boys' Common Room & Girls' Common Room, two Canteen with one Dining Room, one Cheap Stores, Selfie Zone, Learning Support Centres of two Open Universities (Rabindra Bharati University & Netaji Subhas Open University) etc. The college has shown a significant dedication to promoting academic excellence in Raiganj and its surrounding areas. It is currently enhancing opportunities in important undergraduate programs. The College offers Certificate Courses in Photography and Journalism & Mass Communication as well as Add-on courses such as Early Childhood Development and Karate Excellence. In recent years, the college has seen substantial growth in various activities, creating new opportunities in multiple areas.</p>
Purpose of Audit	To verify the implementation of the Environmental Management System as per the Standards Requirement, verification of records for the conformity of the implementation.

CHANGE DETAIL:


Audit Duration for Stage 2	
Are quoted man-days adequate?	Yes
Any change in employee detail?	None
Any Change in Scope?	None
Any additional Information:	None

ATTENDANCE SHEET:


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F16 Issue 01 Rev 05
ISO 14001:2015	
Stage 2 Environment Audit Report	

NAME OF PERSON	DESIGNATION
<i>Amalesh K.S. Mandap</i>	
	Principal, Raiganj Surendranath Mahavidyalaya
<i>Rakhee Das Baswar</i>	Associate Professor in Botany, Raiganj Surendranath Mahavidyalaya
<i>Abdus Sabur</i>	Assistant Professor in Botany, Raiganj Surendranath Mahavidyalaya
<i>Priyankales Banerjee</i>	Assistant Professor in Zoology, Raiganj Surendranath Mahavidyalaya
<i>Md. Amratul Alam</i>	SACT in Botany, Raiganj Surendranath Mahavidyalaya
<i>Tamil Anand</i>	SACT in Geography, Raiganj Surendranath Mahavidyalaya

SUMMARY OF AUDIT

AREA OF IMPROVEMENTS	
1	No such improvement points identified in the current period.

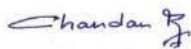
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Raiganj, U/D



Assurance Quality Certification LLC	F16 Issue 01 Rev 05
ISO 14001:2015	
Stage 2 Environment Audit Report	

Non Conformities Raised
0 Minor/Major Non-conformance identified in the Stage 2 audit, details of Non Conformance in F50
Please respond by using your own corrective action form and include the root cause analysis with systemic corrective action. Failure to include root cause analysis with systemic corrective action will result in your responses being rejected by Lead Auditor

Team Leader Declaration (Tick or cross Each Column as per applicability)	
√	Auditing is based on a sampling process of the available information
√	Audit is combined, joint or integrated;
√	The effectiveness of corrective actions taken regarding previously identified
√	nonconformities have verified
√	Outcomes are effective and complying.
√	The internal audit and management review process are effective and complying with the requirements.
√	The scope of certification is appropriate.
√	The capability of the management system to meet applicable requirements and expected
√	The audit objectives have been fulfilled and achieved.


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D





Assurance Quality Certification LLC	F16 Issue 01 Rev 05
ISO 14001:2015	
Stage 2 Environment Audit Report	

Recommendation:

√	<p>The EMS complies with the requirements of the reference standard: Congratulations, on the basis of the above summary, Lead Auditor is pleased to put forward a recommendation for Issuance of Certificate. The organization can use the AQC Mark</p>
×	<p>The EMS complies with the requirements of the reference standard with exception of minor NC: Congratulations, Team Leader is pleased to put forward a recommendation for Issuance of the certificate of Organization upon off-site verification of closure of all minor NC within 60 days from the date of Stage 2 audit. Responses to the non-conformances should be submitted to AQC and must include supporting evidence of closure to allow for off-site verification. In responding to the non-conformances, the organization should consider the root cause of the non-conformance and the potential for related issues in other parts of the system.</p> <p>If all non-conformances are not closed within 60 days, a full reassessment may be required.</p>
×	<p>Evidence of major non conformities: Organization is not recommended for Issuance of Certificate and at this time. Follow-up audit will be scheduled to allow for on-site verification and closure of all issues within 60 days from the date of Stage 2.</p> <p>Once all non-conformances are closed, the recommendation for Issuance of certification may be recommended.</p> <p>If all non-conformances are not closed within 60 days, a full reassessment may be required.</p>
×	<p>Not Recommended: Organization is not recommended for Issuance of certificate at this time. Full Stage 2 audit is required as the organisation has not implemented the system and process at pace. .</p>

Proposed Audit Date for 1st Surveillance Audit 11.07.2024 (mm/dd/yy)

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Sign Off: (Date) 12.07.2023	
<p>AQC Report Submission</p> <p>Name of Team Leader: Amallesh Kr. Mandal Signature: <i>Amallesh Kr. Mandal</i></p> <p>Authorization: Empaneled Auditor from IAF accredited Certification Body, Environment Management Certification from National Safety Council, Lead Auditor on ISO 14001:2015, Waste Management Certification from QCI and United Nations Institute for Training and Research.</p>	<p>Client Acceptance for Report</p> <div style="text-align: center;">  <p>Principal Raiganj Surendranath Mahavidyalaya Raiganj, U/D</p> </div> <p>Sign Name: Dr. Chandan Roy Designation: Principal, Raiganj Surendranath Mahavidyalaya</p> <div style="text-align: right;">  </div>

Principal
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Raiganj, U/D

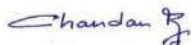


Assurance Quality Certification LLC	F16 Issue 01 Rev 05
ISO 14001:2015	
Stage 2 Environment Audit Report	

AUDIT CHECKLIST

VERIFICATION OF DOCUMENTED INFORMATION & RECORDS AS PER STD REQUIREMENT (C- Conformity, NC-Non-Conformity, O-Observation)


Clause Number	C/NC/ O	Document Verification detail with statement of Conformity
4.1 Understanding the organization and its context (Determination of external and Internal Issues)	C	Identified and included in Manual (Doc. Ref. No. EMS/001, Dtd. 02.04.2022) *To capture those issues Staff and student feedback process was initiated and documented for review.
4.2 Understanding the needs and expectations of interested parties (Determination, Monitor & Review of the Interested Parties)	C	Identified and included in Manual (Doc. Ref. No. EMS/001, Dtd. 02.04.2022) *To capture those issues Staff and student feedback process was initiated and documented for review.
4.3 Determine and maintained Documented Information the scope of the Environmental management system (Boundaries and Type of Product and Services and any requirement not applicable)	C	Scope established and included in Manual (Doc. Ref. No. EMS/001, Dtd. 02.04.2022), Section No. - EMS/11 Page. No. 12 Scope defined in Manual and found as per course delivery. Verified against their affiliation.
4.4 Environmental management system and its processes (Established, Implement and maintained, process and Interaction of Process)	C	Process Flow/Process description found established as guided by accreditation norms. Reference: Affiliation/accreditation copies found available.


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F16 Issue 01 Rev 05
ISO 14001:2015	
Stage 2 Environment Audit Report	

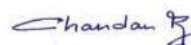
5.1 Leadership & Commitment (Statement of ensures)	C	<p>Interviewed with Top Management (Principal) regarding the Environment management system. Several projects have been initiated and monitored as per plan.</p> <p>Project/Campaign List:</p> <ol style="list-style-type: none"> Greenery development – <ul style="list-style-type: none"> Landscaping with trees – Every year during rainy season college take the initiative of plantation inside the college campus. In a location inside the campus some medicinal plants are also planted. Nature trail was organised by the Nature club of Raiganj Surendranath Mahavidyalaya at Kulik Bird Sanctuary on 5th June, 2023 to explore the biodiversity and also to restore the ecosystem in and around. The college campus is PLASTIC FREE CAMPUS, AUTOMOBILE FREE CAMPUS, and also used different colour coded dustbin separate biodegradable waste. CO Campaign done on – The NSS Unit II of Raiganj Surendranath Mahavidyalaya organizes a tree plantation programme at the nearby college campus. The initiative aimed to foster environmental consciousness among students and contribute to the greenery.
5.2 Environmental policy (Documented Information, Establish, Implement, Maintain, communicated and understood)	C	<p>Environmental Policy established (Section No. - EMS/15, Page no 16).</p> <p>and found displayed on the college campus signed by the Principal.</p>
5.3 Organizational roles, responsibilities and authorities	C	<p>Defined in Manual and available in the College office.</p> <p>Ref. – Nature club, NSS, Organogram</p>
6.0 Planning		
6.1.1 Actions to address risks and opportunities (Risk Assessment has done with prevention of undesirable effects)	C	<p>Risk Register found, maintained and accordingly project taken.</p> <p>Initially they have identified 4 nos environment risk related to different environmental issues. Action plan established.</p>
6.1.2 Determination and maintained documented information of Environmental Aspect, associated impacts Criteria Used and significant aspects and, of the activity and Environmental Impacts	C	<p>Aspect/Impact Register found maintained. (DOC. NO: DM/ASPECT/01).</p> <p>Initially they have identified 3 nos environment aspects to impact analysis with a proper action plan.</p>


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F16 Issue 01 Rev 05
ISO 14001:2015	
Stage 2 Environment Audit Report	

6.1.3 Determination of the Compliances Obligation and maintained documented information on how to comply.	C	Purash Kanpur Haridas Nandi Mahavidyalaya is a private institution, established in 1966 and located in Howrah, West Bengal. It is one of the oldest rural general degree colleges in Howrah district affiliated to the University of Calcutta. The college has been accredited with Grade B+ by NAAC. The institute is recognized by University Grant Commission (UGC).
6.1.4 Planning action for Environmental aspect, Compliance Obligation and Risk and Opportunities.	C	Planning records found available (In the form of projects),
6.2 Environmental objectives and planning to achieve them (Documented, Measurable, Monitored and communicated)	C	Environmental Objectives found established and planned to achieve action (MAP)- Doc. No. ENV/OBJ. 3 no's environments related KPI taken and related action plan initiated with Green Projects.
7.1 Resources (Resource needed for Continual Improvement)	C	Green monitoring: Their Own monitoring data report in the form of "Green Audit" is maintained in every assessment year wise. Monitoring done against respective parameters.
7.2 Competence (Employee records & Competence skill matrix)	C	Related training records found available. 1. Training on Standard given by External body "Management System Consultancy" 2. Other Training/Conference/Campaign reference found available
7.3 Awareness (Environmental Policy, Objectives & Effectiveness of EMS)	C	Done through training and display. 1. Training on Standard given by External body "Management System Consultancy"
7.4 Communication (what, who, when, whom, how with retained documented information)	C	Done through display, mail, meeting minutes. Reference any campaign details - Campaign done on – The NSS Unit II of Raiganj Surendranath Mahavidyalaya organizes a tree plantation programme at the nearby college campus. The initiative aimed to foster environmental consciousness among students and contribute to the greenery. Municipality communication
7.5 Documented information (External Origin, Creation, Updating, Distribution, Preservation, version control, Retention and disposition)	C	Control of documented information procedure established. Syllabus/Course details found available

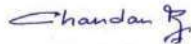

 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F16 Issue 01 Rev 05
ISO 14001:2015	
Stage 2 Environment Audit Report	

8.1 Operational planning and control (Plan, Implement and control of process, documented information for process carried out as planned and Conformity of product or services)	C	Operational procedures established supported with work instructions and related records. Project review checked
8.2 Emergency Prepared and Responses (Mitigation of Adverse Environmental Impact, Respond to Emergency situation, periodically review and Training of the Emergency)	C	EPRP document and mock drill training given. There are no such exposure of emergency as per their work nature and campus conditions. *Training conducted by National Safety Council Certified Person from “Management System Consultancy”
9.1.1 Monitoring, Measurement analysis and evaluation	C	Environment monitoring: Their Own monitoring data report in the form of “Green Audit Monitoring year to year wise” found maintained in every assessment year wise. Monitoring done against respective parameters.
9.1.2 Evaluation of Compliances Documented (Frequency and Action on Evaluation)	C	Compliance register found available. DM is affiliated to the
9.2 Internal Audit (Frequency and Documented Information for Implementation of Audit Program and the audit result)	C	Yes, Internal Audit Report w.r.t Year to year Green monitoring checks found conducted and maintained properly against all possible parameters.
9.3 Management Review (Frequency, Input, Output, Documented Information for MRM Results)	C	Yes, their committee meeting outcome was maintained. Last conducted month of January, 2023
10.1 Improvement – General	C	Done and included in MRM
10.2 Nonconformity and corrective action (Documented Information for nature of NC and result of action taken)	C	Procedure established.
10.3 Continual improvement	C	Objective and monitoring data found available.

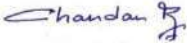
END OF REPORT


 Principal
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 Raiganj, U/D



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ISO 9001:2015	
Stage 1 Quality Audit Report	

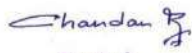
Name of the Organization	RAIGANJ SURENDRANATH MAHAVIDYALAYA	
Address	RAIGANJ, UTTAR DINAJPUR, PIN – 733134 WEST BENGAL	
Site Address (If any)		
No. of Employees	Teaching = 67, Non-teaching = 23, Lab attendant = 3, Lady attendant = 1, Guard =2, Electrician=1, Total = 97	
No. Of Shift	1	
E mail id	mda_sunam@yahoo.co.in	
Contact Person	Dr. Chandan Roy (Principal)	
Telephone/Fax	+913523-246155,	
Scope	Raiganj Surendranath Mahavidyalaya is a coeducational general-degree college. The college offers three-year Bachelor of Arts (B.A.) and Bachelor of Science (B.Sc.) degrees under the University of Gour Banga. Excellent facilities include science laboratories, library with e-resource, office equipped with network, recreation room, music room, language training center, computer training center, learning support and carrier corner, etc. The college has experienced tremendous growth in recent years, which leads to opening newer opportunities to Post Graduation through Distance Education mode under Rabindra Bharati University. There are environment friendly practice and education combine to promote sustainable and eco-friendly practices in the campus.	
Technical Area	Teaching, Learning and Evaluation, Capacity Building, Skill Enhancement, Institutional Social Responsibility	
Exclusions	Design and development	
Audit Team	Lead Auditor: Amalesh Kumar Mandal Auditor: Technical Expert	Audit duration Man day(s): Technical Expert
Starting date of Audit	21.06.2023	
End Date of Audit	21.06.2023	


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F13 Issue 01 Rev 05
ISO 9001:2015	
Stage 1 Quality Audit Report	

Brief about the organization	<p>Raiganj Surendranath Mahavidyalaya was established in 1986 with the intention of meeting the educational needs of rural and suburban youth in the surrounding area. The land of the College was donated by Mr. Shailendra Narayan Sen in loving memory of his father Surendranath Sen and hence the College was named as Raiganj Surendranath Mahavidyalaya. Although initially planned as a Women’s College, it later evolved into a coeducational undergraduate degree college affiliated under the University of North Bengal. In 2008, the college became affiliated with the University of Gour Banga. It is currently the largest college in the district, with a student population exceeding 5000. In 2016, the college received accreditation from NAAC at the B+ level. The college now offers four-year Bachelor of Arts (B.A.) and Bachelor of Science (B.Sc.) programs under the New Education Policy of 2000. Situated in the northern part of Raiganj town, the campus features a modern three-storied building with top-notch facilities, including five air-conditioned science laboratories, a library with e-resources, and two air-conditioned auditoriums, one AC Teachers’ Common Room, office equipped with network, two AC Guest Room, music room, Computer Training Centres, Boys’ Common Room & Girls’ Common Room, two Canteen with one Dining Room, one Cheap Stores, Selfie Zone, Learning Support Centres of two Open Universities (Rabindra Bharati University & Netaji Subhas Open University) etc. The college has shown a significant dedication to promoting academic excellence in Raiganj and its surrounding areas. It is currently enhancing opportunities in important undergraduate programs. The College offers Certificate Courses in Photography and Journalism & Mass Communication as well as Add-on courses such as Early Childhood Development and Karate Excellence. In recent years, the college has seen substantial growth in various activities, creating new opportunities in multiple areas.</p>
Audit Objective	<p>To evaluate the client's documented system, location & site-specific conditions and gather other details through discussions with the client's personnel to determine the organization’s readiness for the Stage 2 Audit for Certification</p>

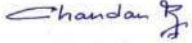

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 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F13 Issue 01 Rev 05
ISO 9001:2015	
Stage 1 Quality Audit Report	

CHANGE DETAIL


Audit Duration for Stage 1	
Are quoted man-days adequate?	Yes
Any change in employee detail?	None
Any Change in Scope?	None
Any additional Information:	None


 Principal
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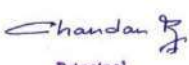



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ISO 9001:2015	
Stage 1 Quality Audit Report	

ATTENDENCE SHEET:

NAME OF PERSON	DESIGNATION
<i>Amalesh K.S. Mandel</i>	Lead Auditor
	Principal, Raiganj Surendranath Mahavidyalaya
<i>Rakhee Das Bantia</i>	Associate Professor in Botany, Raiganj Surendranath Mahavidyalaya
<i>Abdus Sabur</i>	Assistant Professor in Botany, Raiganj Surendranath Mahavidyalaya
<i>Priyanjali Banerjee</i>	Assistant Professor in Zoology, Raiganj Surendranath Mahavidyalaya
<i>Md. Amratul Alam</i>	SACT in Botany, Raiganj Surendranath Mahavidyalaya
<i>Tarun Anand</i>	SACT in Geography, Raiganj Surendranath Mahavidyalaya

SUMMARY OF AUDIT

AREA OF IMPROVEMENT	
(Areas of Improvement Which May be Identified as Non Conformities During Stage 2 Audit)	
1	Communication/Display of policy
2	Communication/Display of Objectives
	 Principal Raiganj Surendranath Mahavidyalaya Raiganj, U/D
	

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ISO 9001:2015	
Stage 1 Quality Audit Report	

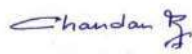
Non-Conformities Raised

0 Minor/Major Non Conformance identified in the Stage 1 audit, details of Non Conformance in F50.

Please respond by using your own corrective action form and include the root cause analysis with systemic corrective action. Failure to include root cause analysis with systemic corrective action will result in your responses being rejected by Lead Auditor

Team Leader Declaration (Tick or cross Each Column as per applicability)

√	Auditing is based on a sampling process of the available information
√	Audit is combined, joint or integrated;
√	The effectiveness of corrective actions taken regarding previously identified
√	nonconformities have verified
√	Outcomes are effective and complying.
√	The internal audit and management review process are effective and complying with the requirements.
√	The scope of certification is appropriate.
√	The capability of the management system to meet applicable requirements and expected
√	The audit objectives have been fulfilled and achieved.



 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F13 Issue 01 Rev 05
ISO 9001:2015	
Stage 1 Quality Audit Report	

RECOMMENDATION

√	Recommended Proceeding with Stage 2 (within 60 days from this audit date)
×	Recommend not proceeding to stage 2 until audit evidence has been submitted to AQC showing that the concerns raised by the auditor (s) have been rectified. A date for stage 2 will then be agreed.
×	Recommend not proceeding without a further stage 1 Audit due to the severity of the concerns raised by the audit team

Sign Off: Date 21.06.2023	
<p>AQC Report Submission</p> <p>Name of Auditor: Amalesh Kumar Mandal</p> <p style="text-align: center;"><i>Amalesh Kumar Mandal</i></p> <p>Signature:</p> <p>Authorization: Empanelled Auditor from IAF accredited Certification Body, IRCA and NABET Accredited QMS Auditor, and QCI Certified Certification on ISO 17020:2012.</p>	<p>Client Acceptance for Report</p> <div style="text-align: center;">  Principal Raiganj Surendranath Mahavidyalaya Raiganj, U/D </div> <p>Sign</p> <p>Name: Dr. Chandan Roy</p> <p>Designation: Principal, Raiganj Surendranath Mahavidyalaya</p>

Chandan Roy


Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D



Assurance Quality Certification LLC	F13 Issue 01 Rev 05
ISO 9001:2015	
Stage 1 Quality Audit Report	

AUDIT CHECKLIST

REQUIREMENTS	COMMENTS	Status C/NC/O
Is the Information documented as required as per the ISO 9001:2015? Any other functional Specific Requirements?	Manual and other documented information available.	C
Has the discussion been held with personnel of the Client company for readiness for stage-2?	Yes, discussed and finalized as per discussion with the Principal and IQAC coordinator.	C
Has the Client site specific conditions been evaluated?	Admission process to course delivery functions evaluated against standard operating process, found compiled.	C
Has the company identified key performance, Process, Objectives and operation of Management System?	Established and implemented through Quality risk assessment and Quality objectives also been established.	C
Has the client had understanding with the ISO 9001:2015 Standard requirement and other site specific requirements.	Yes, done through training and awareness. 1. Training on Standard given by External body "Management System Consultancy"	C
Is the scope having boundaries and specific to client organization?	Scope defined in Manual and found as per course delivery.	C
If a client has Multisite then level of control is established.	Not applicable	C
Is the process and Equipment used adequate?	Yes, as per standard requirements and accreditation norms.	C

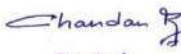

 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F13 Issue 01 Rev 05
ISO 9001:2015	
Stage 1 Quality Audit Report	

Has the client identified Legal and Statutory Requirements applicable to Product and Organization?	Purash Kanpur Haridas Nandi Mahavidyalaya is a private institution, established in 1966 and located in Howrah, West Bengal. It is one of the oldest rural general degree colleges in Howrah district affiliated to the University of Calcutta. The college has been accredited with Grade B+ by NAAC. The institute is recognized by University Grant Commission (UGC).	C
Is the resource being adequate for stage 2 audit?	Yes, documented information found established as per standard requirement and organization requirements. So proposed for stage-2 audit. The implementation and monitoring system will be checked in stage-2 audit.	C
Is Internal Audit planned and performed and effective?	Yes	C
Is MRM planned and performed and Effective?	Yes	C
Are Internal audits conducted as planned? Date of Last Internal Audit?	Yes, Internal Audit Report w.r.t Year to year Green monitoring checks found conducted and maintained properly against all possible parameters.	C
Are Management reviews conducted as planned? Date of Last MRM?	Yes, their committee meeting outcome was maintained. Last conducted month of January, 2023	C


END OF REPORT


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F14 Issue 01 Rev 01 (15.02.2021)
ISO 9001:2015	
Stage 2 Quality Audit Report	

Name of the Organization	RAIGANJ SURENDRANATH MAHAVIDYALAYA	
Address	RAIGANJ, UTTAR DINAJPUR, PIN – 733134 WEST BENGAL	
Site Address (If any)		
No. of Employees	Teaching = 67, Non-teaching = 23, Lab attendant = 3, Lady attendant = 1, Guard =2, Electrician=1, Total = 97	
No. of Shift	1	
E mail id	mda_sunam@yahoo.co.in	
Contact Person	Dr. Chandan Roy (Principal)	
Telephone/Fax	+913523-246155,	
Scope	Raiganj Surendranath Mahavidyalaya is a coeducational general-degree college. The college offers three-year Bachelor of Arts (B.A.) and Bachelor of Science (B.Sc.) degrees under the University of Gour Banga. Excellent facilities include science laboratories, library with e-resource, office equipped with network, recreation room, music room, language training center, computer training center, learning support and carrier corner, etc. The college has experienced tremendous growth in recent years, which leads to opening newer opportunities to Post Graduation through Distance Education mode under Rabindra Bharati University. There are environment friendly practice and education combine to promote sustainable and eco-friendly practices in the campus.	
Technical Area	Teaching, Learning and Evaluation, Capacity Building, Skill Enhancement, Institutional Social Responsibility	
Audit Team	Lead Auditor: Amalesh Kr. Mandal Auditor: Technical Expert	No of Mandays: 1
Starting date of Audit	12.07.2023	
End date of Audit	12.07.2023	


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D




Assurance Quality Certification LLC	F14 Issue 01 Rev 01 (15.02.2021)
ISO 9001:2015	
Stage 2 Quality Audit Report	

Brief about the organization	<p>Raiganj Surendranath Mahavidyalaya was established in 1986 with the intention of meeting the educational needs of rural and suburban youth in the surrounding area. The land of the College was donated by Mr. Shailendra Narayan Sen in loving memory of his father Surendranath Sen and hence the College was named as Raiganj Surendranath Mahavidyalaya. Although initially planned as a Women's College, it later evolved into a coeducational undergraduate degree college affiliated under the University of North Bengal. In 2008, the college became affiliated with the University of Gour Banga. It is currently the largest college in the district, with a student population exceeding 5000. In 2016, the college received accreditation from NAAC at the B+ level. The college now offers four-year Bachelor of Arts (B.A.) and Bachelor of Science (B.Sc.) programs under the New Education Policy of 2000. Situated in the northern part of Raiganj town, the campus features a modern three-storied building with top-notch facilities, including five air-conditioned science laboratories, a library with e-resources, and two air-conditioned auditoriums, one AC Teachers' Common Room, office equipped with network, two AC Guest Room, music room, Computer Training Centres, Boys' Common Room & Girls' Common Room, two Canteen with one Dining Room, one Cheap Stores, Selfie Zone, Learning Support Centres of two Open Universities (Rabindra Bharati University & Netaji Subhas Open University) etc. The college has shown a significant dedication to promoting academic excellence in Raiganj and its surrounding areas. It is currently enhancing opportunities in important undergraduate programs. The College offers Certificate Courses in Photography and Journalism & Mass Communication as well as Add-on courses such as Early Childhood Development and Karate Excellence. In recent years, the college has seen substantial growth in various activities, creating new opportunities in multiple areas.</p>
Purpose of Audit	To verify the implementation of the Quality Management System as per the ISO 9001:2015 Standards Requirement, verification of records for the conformity of the implementation.

CHANGE DETAIL:


Audit Duration for Stage 2	
Are quoted man-days adequate?	Yes
Any change in employee detail?	None
Any Change in Scope?	None
Any additional Information:	None

ATTENDANCE SHEET:


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F14 Issue 01 Rev 01 (15.02.2021)
ISO 9001:2015	
Stage 2 Quality Audit Report	

NAME OF PERSON	DESIGNATION
<i>Amalesh K.V. Mandel</i>	Lead Auditor
	Principal, Raiganj Surendranath Mahavidyalaya.
<i>Rakhee Das Basu</i>	Associate Professor in Botany, Raiganj Surendranath Mahavidyalaya
<i>Abdus Sabur</i>	Assistant Professor in Botany, Raiganj Surendranath Mahavidyalaya
<i>Priyankala Banerjee</i>	Assistant Professor in Zoology, Raiganj Surendranath Mahavidyalaya
<i>Md. Amatul Alam</i>	SACT in Botany, Raiganj Surendranath Mahavidyalaya
<i>Tanvir Anwar</i>	SACT in Geography, Raiganj Surendranath Mahavidyalaya

SUMMARY OF AUDIT

AREA OF IMPROVEMENTS	
1	No such improvement points identified in current period.
2	Actual data control system observed

Chandan
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D




Assurance Quality Certification LLC	F14 Issue 01 Rev 01 (15.02.2021)
ISO 9001:2015	
Stage 2 Quality Audit Report	

Non Conformities Raised

0 Minor/Major Non-conformance identified in the Stage 2 audit, details of Non Conformance in F50

Please respond by using your own corrective action form and include the root cause analysis with systemic corrective action. Failure to include root cause analysis with systemic corrective action will result in your responses being rejected by Lead Auditor

Team Leader Declaration (Tick or cross Each Column as per applicability)	
√	Auditing is based on a sampling process of the available information
√	Audit is combined, joint or integrated;
√	The effectiveness of corrective actions taken regarding previously identified
√	nonconformities have verified
√	Outcomes are effective and complying.
√	The internal audit and management review process are effective and complying with the requirements.
√	The scope of certification is appropriate.
√	The capability of the management system to meet applicable requirements and expected
√	The audit objectives have been fulfilled and achieved.


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D




Assurance Quality Certification LLC	F14 Issue 01 Rev 01 (15.02.2021)
ISO 9001:2015	
Stage 2 Quality Audit Report	

Recommendation:

√	<p>The quality system complies with the requirements of the reference standard: Congratulations, on the basis of the above summary, Lead Auditor is pleased to put forward a recommendation for Issuance of Certificate. The organization can use the AQC Mark</p>
×	<p>The quality system complies with the requirements of the reference standard with exception of minor NC: Congratulations, Team Leader is pleased to put forward a recommendation for Issuance of the certificate of Organization upon off-site verification of closure of all minor NC within 60 days from the date of Stage 2 audit. Responses to the non-conformances should be submitted to AQC and must include supporting evidence of closure to allow for off-site verification. In responding to the non-conformances, the organization should consider the root cause of the non-conformance and the potential for related issues in other parts of the system.</p> <p>If all non-conformances are not closed within 60 days, a full reassessment may be required.</p>
×	<p>Evidence of major non-conformities: Organization is not recommended for Issuance of Certificate and at this time. Follow-up audit will be scheduled to allow for on-site verification and closure of all issues within 60 days from the date of Stage 2.</p> <p>Once all non-conformances are closed, the recommendation for Issuance of certification may be recommended.</p> <p>If all non-conformances are not closed within 60 days, a full reassessment may be required.</p>
×	<p>Not Recommended: Organization is not recommended for Issuance of certificate at this time. Full Stage 2 audit is required as the organisation has not implemented the system and process at pace. .</p>
Proposed Audit Date for 1st Surveillance Audit 11.07.2024 (mm/dd/yy)	

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Sign Off: (Date) 12.07.2023

AQC Report Submission	Client Acceptance for Report
<p>Name of Team Leader: Amalash Kr. Mandal</p> <p style="text-align: center;"><i>Amalash Kr. Mandal</i></p> <p>Signature:</p> <p>Authorization: Empanelled Auditor from IAF accredited Certification Body, IRCA and NABET Accredited QMS Auditor, and QCI Certified Certification on ISO 17020:2012.</p>	<div style="text-align: center;">  <p>Principal Raiganj Surendranath Mahavidyalaya Raiganj, U/D</p> </div> <p>Sign Name: Dr. Chandan Roy Designation: Principal, Raiganj Surendranath Mahavidyalaya</p>

Chandan Roy
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D

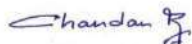


Assurance Quality Certification LLC	F14 Issue 01 Rev 01 (15.02.2021)
ISO 9001:2015	
Stage 2 Quality Audit Report	

AUDIT CHECKLIST

VERIFICATION OF DOCUMENTED INFORMATION & RECORDS AS PER STD REQUIREMENT
(C- Conformity, NC-Non Conformity, O-Observation)

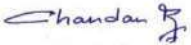
Clause Number	C/NC/O	Document Verification detail with statement of Conformity
4.1 Understanding the organization and its context (Determination of external and Internal Issues)	C	Identified and included in Manual. (PKHNM/QMS/XXX/QMM/001) *To capture those issues Staff and student feedback process was initiated and documented for review.
4.2 Understanding the needs and expectations of interested parties (Determination, Monitor & Review of the Interested Parties)	C	Identified and included in Manual. (PKHNM/QMS/XXX/QMM/001) *To capture those issues Staff and student feedback process was initiated and documented for review.
4.3 Determining the scope of the quality management system (Boundaries and Type of Product and Services and any requirement not applicable)	C	Scope established and included in Manual. (Under 4.3, Page. No.13). Scope defined in Manual and found as per course delivery. Verified against their affiliation.
4.4 Quality management system and its processes (Established, Implement and maintained, process and Interaction of Process)	C	Process Flow/Process description found established as guided by accreditation norms.
5.1.1 Leadership & Commitment (Statement of ensures)	C	Interviewed with Top Management (Here with Principal). Respective project files found available to achieve quality delivery in Green, Energy and Environment issues.
5.1.2 Customer focus (statement of conformity)	C	Interviewed with Top Management. Their course delivery as per plan and guideline. Student Feedback process initiated. 1.
5.2 Quality policy (Establish, Implement, Maintain, communicated and understood)	C	Quality Policy established (Under clause no. 5.2.1 in Quality manual, page no. 15) and found displayed on the college campus signed by the Principal.
5.3 Organizational roles, responsibilities and authorities	C	Defined in Manual and available in the College office. Organogram Maintained.
6.0 Planning	C	
6.1 Actions to address risks and opportunities (Risk Assessment has done with prevention of undesirable effects)	C	Risk Register found maintained. (PKHNM/QMS/FRM/03). Initially they have identified 3 nos Quality related risk and probable action plan has taken. Review status will be checked in the next Surveillance Audit.


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F14 Issue 01 Rev 01 (15.02.2021)
ISO 9001:2015	
Stage 2 Quality Audit Report	

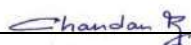
6.2 Quality objectives and planning to achieve them (Documented, Measurable, Monitored and communicated)	C	Quality Objectives found established and planned to achieve action (MAP)- Doc. Ref. no. PKHNM/QMS/FRM/001
6.3 Planning of changes (As per 4.4) and Purpose, resource availability and allocation	C	Found available, as per committee decision and minutes. Meeting outcome found available.
7.1 Resources (Need of External resources, People, Infrastructure, Environment, Calibration records, Organizational Knowledge)	C	Green monitoring: Their Own monitoring data report in the form of “Green Audit” is maintained in every assessment year wise. Monitoring done against respective parameters.
7.2 Competence (Employee records & Competence skill matrix)	C	Related training records found available. 1. Training on Standard given by External body “Management System Consultancy” 2. Other Training reference/conference/campaign details found available. 3.
7.3 Awareness (Quality Policy, Objectives & Effectiveness of QMS)	C	Done through training and display. 1. Training on Standard given by External body “Management System Consultancy”
7.4 Communication (what, who, when, whom, how)	C	Done through display, mail, meeting minutes. Reference campaign details available.
7.5 Documented information (External Origin, Creation, Updation, Distribution, Preservation, version control, Retention and disposition)	C	Control of documented information procedure established. 1. Reference Syllabus/Course details they have maintained.
8.1 Operational planning and control (Plan, Implement and control of process, documented information for process carried out as planned and Conformity of product or services)	C	Operational procedures established supported with work instructions and related records. 1. Last month data checked w.r.t course/class delivery details.
8.2.1 Customer communication (Enquiries, Contract, order, feedback, complaints)	C	Feedback and complaint system available w.r.t internal (Staff) and external (Student)


 Principal
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 Raiganj, U/D



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Stage 2 Quality Audit Report	

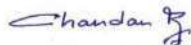
8.2.2 Determining of Requirements for products and services (Objective evidence for record of contract review and approval, Record verification of Statutory & Regulatory shall be referred here, record for communication of changes, legal requirements need to be re-verified if any concerns identified in Stage 1 audit or any new product added)	C	Purash Kanpur Haridas Nandi Mahavidyalaya is a private institution, established in 1966 and located in Howrah, West Bengal. It is one of the oldest rural general degree colleges in Howrah district affiliated to the University of Calcutta. The college has been accredited with Grade B+ by NAAC. The institute is recognized by University Grant Commission (UGC).
8.2.3 Review of the requirements for products and services (Documented Information for Result of review and any new requirements for product or services)	C	Review methodology available. Reference: Planning of course delivery available
8.2.4 Changes to requirements for products and services (the changed documents is aware and approved by relevant person)	C	Maintained and followed as per guideline from accreditation norms.
8.3 Design and Development (D&D)	C	Not Applicable
8.3.1 General Establish, Maintain and Implement the D&D Process	C	Not Applicable
8.3.2 D&D Planning (Record reference) 7.3.3 D&D Inputs (Record reference for the inputs) 8.3.4 D&D Controls (Record reference & Approval) 8.3.5 D&D Outputs (Record reference for outputs) 8.3.6 D&D Changes (Record reference for changes, approved, validated & verified before implementation & actions as necessary)	C	Not Applicable
8.4.1 Control of externally provided processes, products and services (documented Information for criteria for the evaluation, selection, monitoring of performance and re-evaluation)	C	Tendering process, Vendor enrolment and evaluation records found available. Comparative statement found available against any purchase.


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D



Assurance Quality Certification LLC	F14 Issue 01 Rev 01 (15.02.2021)
ISO 9001:2015	
Stage 2 Quality Audit Report	

8.4.2 Type and extent of control (Control Verification)	C	Evaluation records found available. Generally before payment the related function Head consent against the external provider.
8.4.3 Information for external providers (Competence and qualification of external provider)	C	Available with user departments
8.5.1 Control of production and service provision (Records verified work instructions for the processing including delivery and post-delivery activities, characteristic of product, equipment's use and availability for monitoring and measurement)	C	Work instructions/Specifications found available followed by relevant records.
8.5.2 Identification and Traceability (Records verified for identification batch no or serial no in process as well as final result)	C	Traceability maintained through online/offline both. Class delivery, performance management and others maintained.
8.5.3 Property belonging to customers or external providers (Documented Information of Lost or damaged property)	C	Not applicable
8.5.4 Preservation of output (objective evidence for meeting the defined storage conditions for handling, packaging, storage and protection)	C	Maintained in Laboratory materials
8.5.5 Post-delivery activities (Result outcome)	C	Maintained in database against each function wise.
8.5.6 Control of changes (Documented Information change review result, person who is authorized to changes)	C	Change control file found available. Means old/dormant documents kept separate.
8.6 Release of final outcome services (Planned Arrangement documented information for acceptance criteria and authorized person traceability)	C	Maintained through online/offline both. Result delivered by Authorised person only.



 Principal
 Raiganj Surendranath Mahavidyalaya
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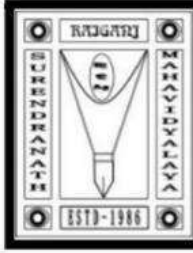
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ISO 9001:2015	
Stage 2 Quality Audit Report	

8.7 Control of nonconforming outputs (Documented Information for Non-conformity, action taken, concession, authority deciding action)	C	Methods/Action plan found available
9.1.1 Monitoring, Measurement analysis and evaluation	C	Monitoring done against set criteria. Meeting minutes available as outcome of process.
9.1.2 Customer Satisfaction (Analysis of Customer Satisfaction)	C	Customer satisfaction analysis process found available. Feedback taken from Staff as well as from Student both to know the Quality delivery status.
9.1.3 Analysis and Evaluation	C	Done
9.2 Internal Audit (Frequency and Documented Information for Implementation of Audit Program and the audit result)	C	Yes, Internal Audit Report w.r.t Year to year Green monitoring checks found conducted and maintained properly against all possible parameters.
9.3 Management Review (Frequency, Input, Output, Documented Information for MRM Results)	C	Yes, their committee meeting outcome was maintained. Last conducted month of January, 2023
10.1 Improvement – General	C	Done and included in MRM
10.2 Nonconformity and Corrective action (Documented Information for nature of NC and result of action taken)	C	Procedure established.
10.3 Continual improvement	C	Objective and monitoring data found available against respective Projects/KPI.

END OF REPORT


 Principal
 Raiganj Surendranath Mahavidyalaya
 Raiganj, U/D

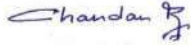




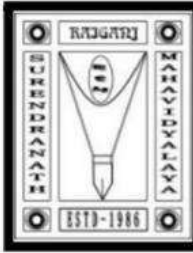
Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B+" Grade

INTERNAL AUDIT REPORTS FOR SESSION 2022 - 2023 (ENERGY AUDIT, QUALITY & ENVIRONMENTAL AUDIT)


Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B⁺⁺" Grade



INTERNAL ENERGY AUDIT 2022 - 23

RAIGANJ SURENDRANATH MAHAVIDYALAYA

Sudarshanpur, Raiganj, Uttar Dinajpur

West Bengal, Pin: 733134

Contact Number: 8945954418, 9932395130

Email: mda_sunam@yahoo.co.in, chandanrov70@gmail.com



MANAGEMENT SYSTEM CONSULTANCY

Service Provided: Legal, Safety, Fire, Environment, Energy Audit and ISO, Information Security, Automotive, NABL, NABH, CSR, Food, Medical Certification and Training services

Energy Audit Certificate

This Certificate is awarded to

RAIGANJ SURENDRANATH MAHAVIDYALAYA

As part of the Institution's Initiatives for a Healthy & Sustainable College the
audit was conducted.

We appreciate the immense efforts taken by Staff and Students towards the
Energy Management and Conservation.

Issued on April, 2022 valid till March, 2023

Anandesh Kumar Mondal



MANAGEMENT SYSTEM CONSULTANCY

Authorization:

- ISO 14001:2015 (Environment) (CQI-IRCA Delegate ID: 173839, Certificate No. 46957) Lead Auditor Certificate
- ISO 9001:2015 (Quality) (NABET Accredited, Certificate No. IRCLASS/QMS/2016/02/03/01 of 07) Lead Auditor Certificate
- ISO 45001:2018 (OHSAS) (CQI-IRCA Delegate ID: 111285, Certificate No. 44532) Lead Auditor Certificate.
- Certified PG Diploma in Environment and Sustainable Development (En Roll No-BU/13/706432) from Bundelkhand University.
- Certified PG Diploma in Fire and Safety Management from Jawaharlal Nehru Technological University Hyderabad (Cert. No. 15359120506)

UMA Apartment, Rishi Arambinda Road, Madhyamgram, Kolkata-700130

Email ID: managementsystemconsultancy@gmail.com

Website: www.managementsystemconsultancy.in

Chandan K

Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D



ABOUT THE INSTITUTION

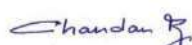
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Dr. Chandan Roy

Principal, Raiganj Surendranath Mahavidyalaya

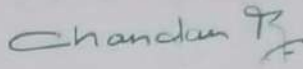
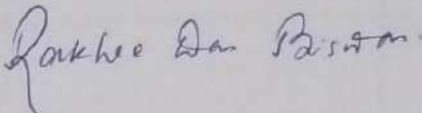
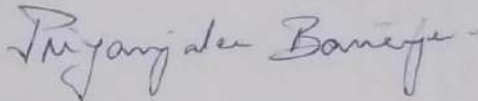
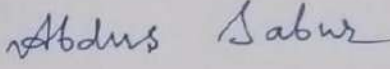
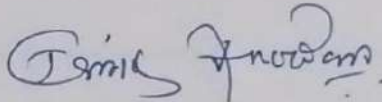
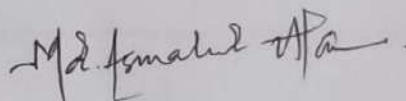
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D



Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D



MEMBERS OF INTERNAL ENERGY AUDIT COMMITTEE

1. **Dr. Chandan Roy**
Principal, Raiganj Surendranath Mahavidyalaya 
2. **Dr. Rakhee Das Biswas**
Associate Professor & H. o. D., Botany 
3. **Dr. Priyanjalee Banerjee**
Assistant Professor & H. o. D., Zoology 
4. **Dr. Abdus Sabur**
Assistant Professor of Botany 
5. **Mr. Tarik Anwar**
SACT in Department of Geography 
6. **Md. Azmalul Alam**
SACT in Department of Botany 

CONTENT

1. INTRODUCTION	6
2. PRESENT ENEGY SCENARIO 2.1. POWER SUPPLY SYSTEM 2.2. DG SET 2.3. SOLAR POWER PANEL	7 – 9
3. OBSERVATION 3.1. ELECTRICITY BILL ANALYSIS 3.2. CONNECTED LOAD OF THE COLLEGE	10 – 18
4. FINDINGS 4.1. ENERGY CONSUMPTION ANALYSIS 4.2. BUILDING ENVELOP 4.3. LIGHTING 4.4. FANS	19 – 20
5. RECOMMENDATION	20 – 21
6. CONCLUSION	21

1. INTRODUCTION

Energy auditing is a crucial process that helps organizations understand how energy is used within their facilities. By identifying areas where energy waste occurs and opportunities for improvement, energy audits can significantly enhance overall energy efficiency. This process involves evaluating energy management practices and implementing measures to conserve energy, ultimately leading to cost savings and better resource utilization.

Objectives of Energy Auditing:

1. Identify Energy Inputs and Costs: Assess the quality and cost of various energy sources.
2. Analyze Consumption Patterns: Evaluate how energy is consumed across different operations.
3. Relate Inputs to Outputs: Understand the relationship between energy inputs and production outputs.
4. Highlight Wastage: Identify major areas of energy wastage.
5. Set Conservation Targets: Establish energy-saving goals for different cost centres.
6. Implement Conservation Measures: Apply strategies to conserve energy and realize savings.

Methodology

The energy audit was conducted using a comprehensive approach that included:

1. Site Inspections: On-site visits to assess the condition and efficiency of existing systems, equipment, and building envelope.
2. Discussions: Engaging with concerned officials to identify major areas of focus and related systems.
3. Measurements and Monitoring: Electrical loads of the instruments and appliances were recorded by visual observations to identify energy usage patterns and losses.
4. Trend Analysis: Analyzing costs and consumption trends.
5. Computation: Graphical presentations and electrical load calculations were done to draw inferences.

2. PRESENT ENERGY SCENARIO

Raiganj Surendranath Mahavidyalaya (RSM) uses energy in the form of electricity purchased from West Bengal State Electricity Distribution Company Limited (WBSEDCL) under tariff category **Type A (CM-PU) (MUN)** for public utility/ specific Institution Public Bodies. The College has sanctioned load of **49.64 KVA**. The total billing amount has been found to be about INR **2,39,264/-** for four quarter analysis period of 2022 – 2023. The overall average energy charges stand at INR **9.65/-** per unit.

2.1. POWER SUPPLY SYSTEM

The power supply system for the college is from WBSEDCL with the help of 400/230 volts three phase feeder under tariff category Type A (CM-PU) (MUN) for public utility/ specific Institution Public Bodies with sanctioned load of 49.64 KVA.

Phase	Red	Yellow	Green
Voltage (V)	240	240	240

2.2. DG set

There are two DG set in the college premise. Of the two DG sets, one is currently in broken down condition. The technical specification of the functional DG set is given in Table 1.

Table 1: Technical specification of DG set-

Properties	Technical specification
Manufacturer	Kirloskar Oil Engines Limited
Model	KG10AS1
Capacity	10 KVA
Rated Voltage	415 V
Frequency	50 Hz
Power factor	0.8
Phase	3
Governing Class	G2
Noise level	<75 dBA at 1m
Electrical Battery starting Voltage	12V-DC
Rated Output	16 Hp
Max. Voltage dip	<20%



Figure 1: DG set installed in front of the college building



Figure 2: Main power supply to the college from WBSEDCL

2.3. Solar Panel

Several initiatives have been undertaken to utilize solar energy on the college campus. Since 2022, RSM has been actively and steadily generating solar energy. Currently, the college has a total of 15 solar panels with a capacity of 5 KW, installed on the roof and connected to the grid using RUSA funds. The college has applied twice in the last 3-4 years to the West Bengal State Electricity Distribution Company Limited (WBSEDCL), Raiganj, for a separate meter for the solar system, but the process is still ongoing.

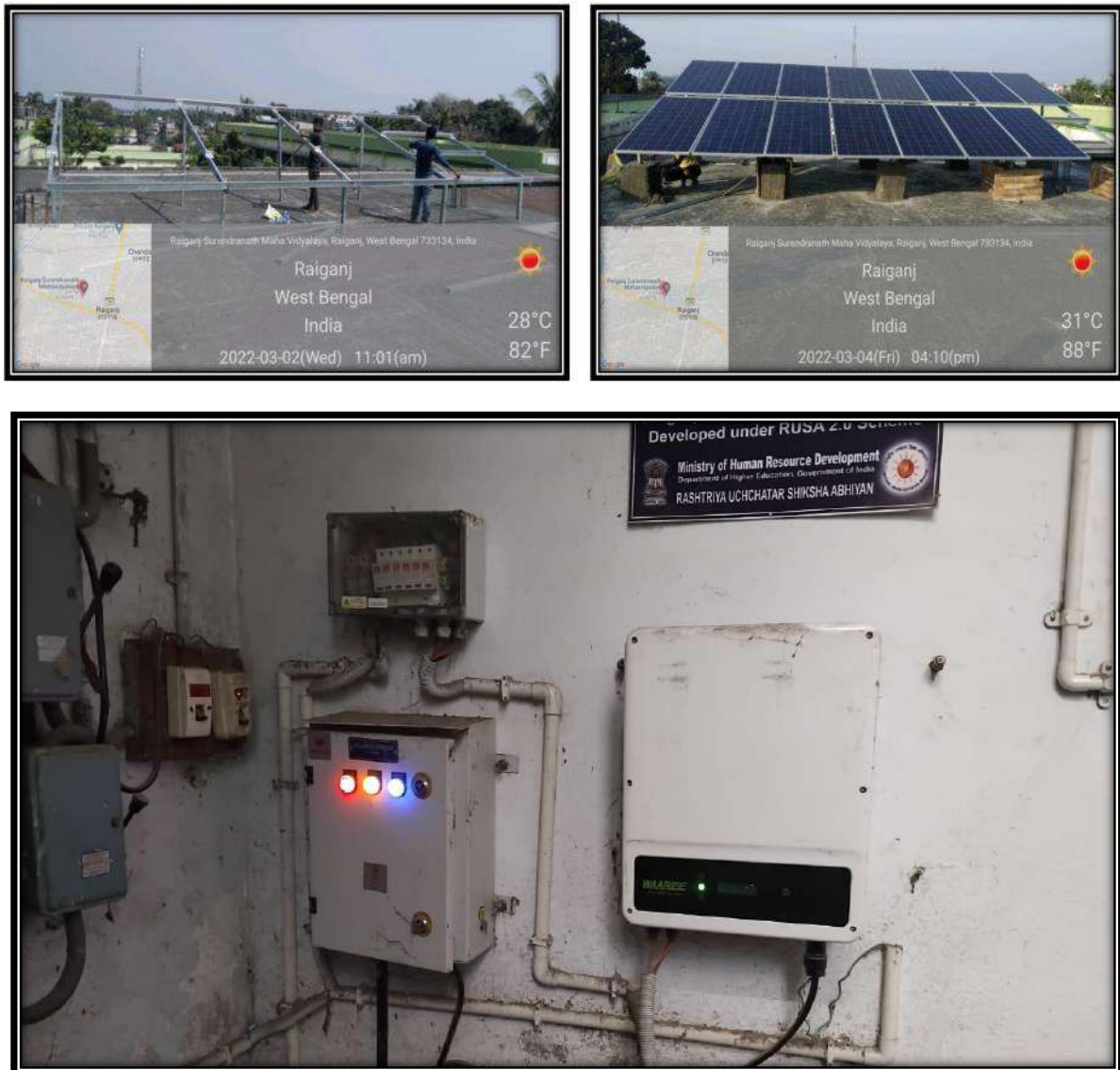


Figure 3: Solar power panels installed at the rooftop of the college building, solar power connection and wheeling to the grid present at the staircase.

3. OBSERVATION

3.1. ELECTRICITY BILL ANALYSIS

The energy audit team has analyzed last four quarter electricity bill of the college. Detailed of the unit consumption, annual payable amount, and annual per unit charges are determined as follow:

Quarterly electrical energy consumption (2022 – 2023)

The quarterly electrical energy consumption for the college is given in Table 2

Table 2: The quarterly electrical energy consumption for the college for 2022 – 2023

Serial number	Month and year (Mar 22 – Feb 23)	Total consumed unit (KWH)	Electricity Bill (INR)
1	Q1 (Mar – May)	3279	26825/-
2	Q2 (June – Aug)	6322	93957/-
3	Q3 (Sep – Nov)	9519	74112/-
4	Q4 (Dec – Feb)	5675	44370/-
Total		24795	239264/-

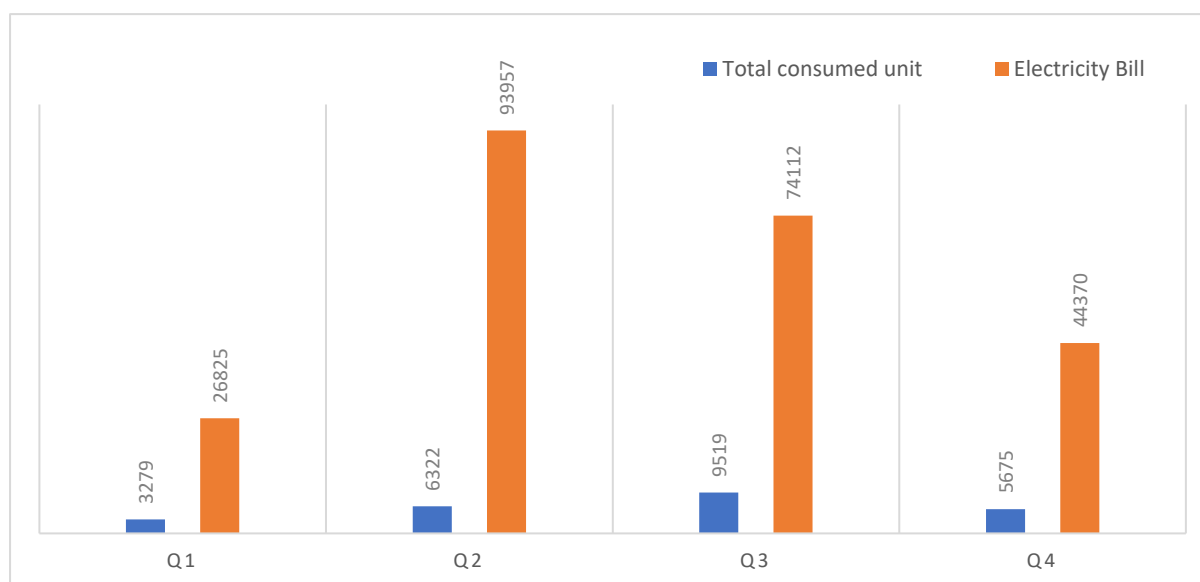
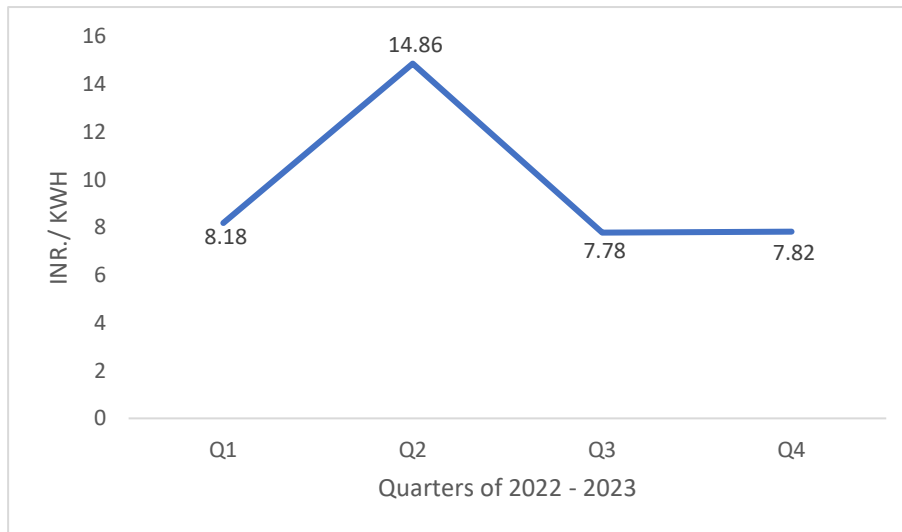


Figure 4: Graphical representation of electrical energy consumed and bill paid in all the four quarter of 2022 – 2023

Table 3: Over-all unit charges in 2022 -2023

Serial number	Quarter of the year	Unit charges (Rs/ KWH)
1	Q1	8.18
2	Q2	14.86
3	Q3	7.78
4	Q4	7.82
Average unit charge		INR 9.65/-

**Figure 5:** Graphical presentation of actual unit charges throughout the year 2022 -2023

3.2. CONNECTED LOAD OF THE COLLEGE

Details of connected load (maximum) are given in Table 4

Table 4: Connected load

Location/Department	Fixtures	Watt	Qty	Total load (W)
Department of Economics	Fan	50	3	150
	LED Tube	10	4	40
Department of History	Fan	50	6	300
	LED Tube	10	2	20
	Projector	50	1	50
	CFL Bulb	11	3	33
Department of Education	Fan	50	8	400
	LED Tube	10	4	40
	Projector	50	1	50
Department of Bengali	Fan	50	7	350
	LED Tube	10	5	50
	Projector	50	1	50

Department of philosophy & Sanskrit	Fan	50	1	50
	LED Tube	10	1	10
Department of Political Science	Fan	50	7	350
	LED Tube	10	3	30
Department of Sociology	Fan	50	8	400
	LED Tube	10	5	50
Department of English (including G-17)	Fan	50	19	950
	LED Tube	10	17	170
Department of Urdu	Fan	50	11	550
	LED Tube	10	5	50
	CFL bulb	11	6	66
Department of Zoology	Fan	50	10	500
	LED Tube	10	18	180
	Computer	60	3	180
	AC	1000	2	2000
	Refrigerator	100	2	200
	CFL bulb	11	2	22
	Exhaust Fan	10	1	10
	Incubator	40	2	80
	Printer	20	1	20
	Autoclave	20	1	20
	Laminar Cabinet	40	1	40
	Centrifuge	138	1	138
	Spectrophotometer	20	1	20
	Magnetic stirrer	10	1	10
	Dry Bath	550	1	550
Department of Chemistry	Fan	50	3	150
	LED Tube	10	32	320
	CFL bulb	11	6	66
	Computer	60	3	180
	AC	1000	1	1000
	Exhaust Fan	10	6	60
	Hot air Oven	500	1	500
	Heating mantle	200	2	400
	Centrifuge	138	3	414
	Shaker	15	4	60
	Distillation plant	750	1	750
	Magnetic stirrer	10	4	40
	Printer	20	1	20
	Refrigerator	100	1	100
	UV chamber	66	1	66
	Vacuum rotary	400	1	400
	Water bath	500	2	1000
	Dry Bath	550	3	1650
Colorimeter	20	2	40	
	Digital melting point bath	100	1	100
	Projector	50	1	50

Department of Mathematics	Fan	50	13	650
	LED Tube	10	9	90
	AC	1000	1	1000
	Computer	60	8	480
Department of Botany	AC	1000	1	1000
	Fan	50	13	650
	LED Tube	10	15	150
	Computer	60	2	120
	Refrigerator	100	1	100
	BOD	60	1	60
	Laminar Cabinet	60	1	60
	Colorimeter	20	1	20
	Spectrophotometer	20	1	20
	Hot plate	750	1	750
	Centrifuge	138	1	138
	Water bath	500	1	500
	Department of Geography	Fan	50	7
LED Tube		10	5	50
Computer		60	1	60
CFL bulb		11	3	33
Department of Physics	AC	1000	3	3000
	Fan	50	13	650
	LED Tube	10	22	220
	Spectrophotometer	20	1	20
	Voltmeter	1000	1	1000
	Miscellaneous	100	1	100
Department of Physical Education	Fan	50	4	200
	LED Tube	10	4	40
Library	AC	1000	1	1000
	Fan	50	15	750
	LED Tube	10	30	300
	Computer	60	18	1080
Computer Lab	Fan	50	3	150
	LED bulb	11	2	22
	Computer	60	10	600
Language Lab	Fan	50	4	200
	LED Tube	10	2	20
RBU DDE	Fan	50	2	100
	LED Tube	10	1	10
	LED bulb	11	2	22
	Computer	60	1	60
NSOU	Fan	50	2	100
	LED Tube	10	4	40
Galleries and Halls (8)	AC	1000	10	10000
	Fan	50	86	4300
	LED Tube	10	52	520
	LED bulb	11	36	396
	Projector	50	3	150

Principal's Chamber	AC	1000	3	3000
	Fan	50	8	400
	LED Tube	10	6	60
	LED bulb	11	10	110
	Computer	60	2	120
IQAC, Women Cell & NSS	AC	1000	2	2000
	Fan	50	6	300
	LED Tube	10	7	70
	Computer	60	3	180
Office	AC	1000	1	1000
	Fan	50	18	900
	LED Tube	10	21	210
	Computer	60	8	480
	Photocopier	55	2	110
Boys' Common room	Fan	50	1	50
	LED Tube	10	1	10
Boys' toilet (2)	LED bulb	11	2	22
Girls' Common room	Fan	50	4	200
	LED Tube	10	2	20
Girls' toilets (2)	CFL bulb	11	2	22
	LED bulb	11	1	11
Teachers' common room	Fan	50	8	400
	LED Tube	10	4	40
	AC	1000	2	2000
	Projector	50	1	50
	CFL bulb	11	9	99
Teaching & non-teaching staff's toilets (4)	LED bulb	11	5	55
	CFL bulb	11	2	22
	LED Tube	10	1	10
	Exhaust fan	10	4	40
Kitchen, canteens and dining room	Fan	50	8	400
	LED Tube	10	4	40
	CFL bulb	11	1	11
	Water purifier	30	1	30
Cheap store	Fan	50	1	50
	LED Tube	10	1	10
	Photocopier	55	1	55
Sick room	Fan	50	1	50
	LED Tube	10	1	10
Guest room	AC	1000	1	1000
	Air cooler	100	2	200
	LED Tube	10	1	10
Student Union	Fan	50	1	50
	LED Tube	10	2	20
Staircase	CFL bulb	11	2	22
Outdoor facilities	Fan	50	22	1100
	LED Tube	10	3	30
	Metal	35	8	280ReR

	Spot Light	11	15	165
	Water purifier	30	2	60
	Water cooler	75	2	150

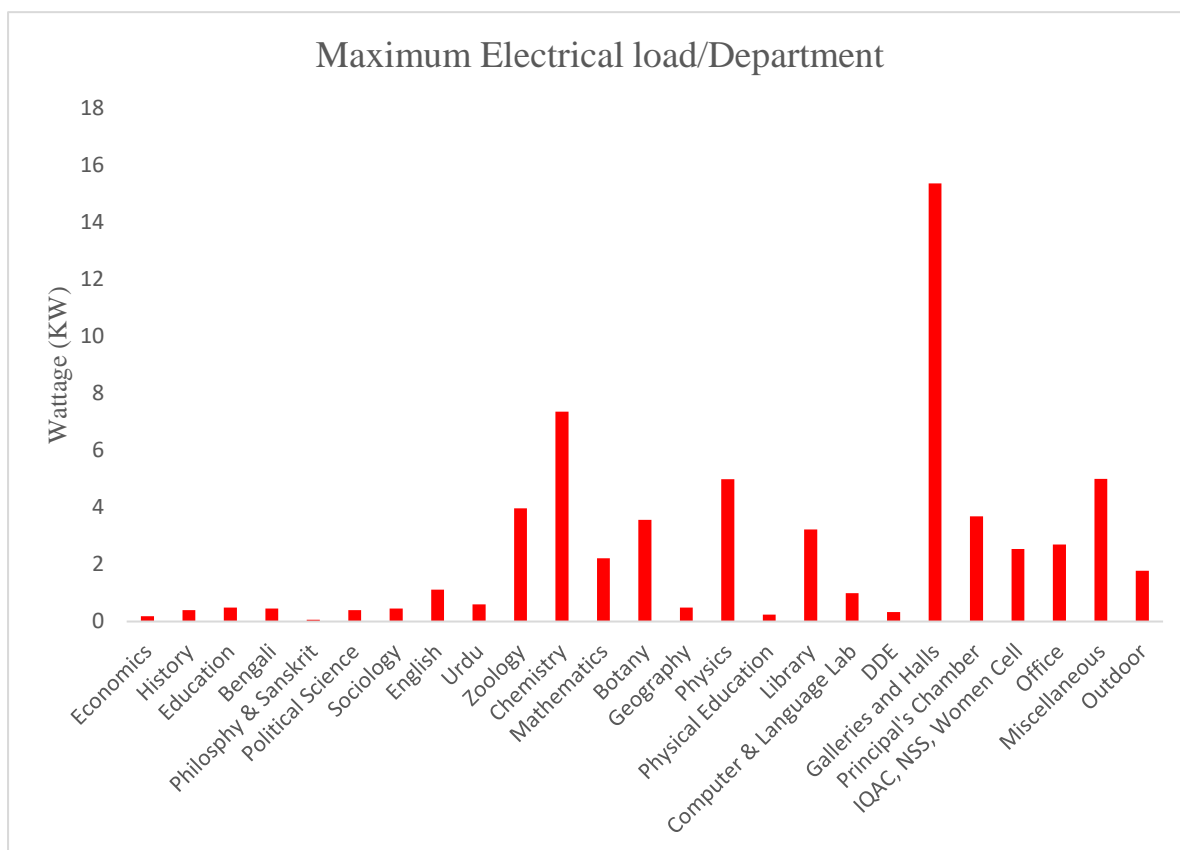


Figure 6: Load distribution/Department (KW)

Table 5: Connected load in %Wattage

Serial Number	Fixtures	Percentage of Wattage
1	AC	43.09
2	Fan & Exhaust fan	25.79
3	LED Tube, LED bulb and CFL bulb	5.88
4	Computer	5.94
5	Projector	0.72
6	Printer & Photocopier	0.33
7	Refrigerator	0.64
8	Water purifier, water and Air Cooler	0.7
9	Laboratory equipments	16.91
Total		100

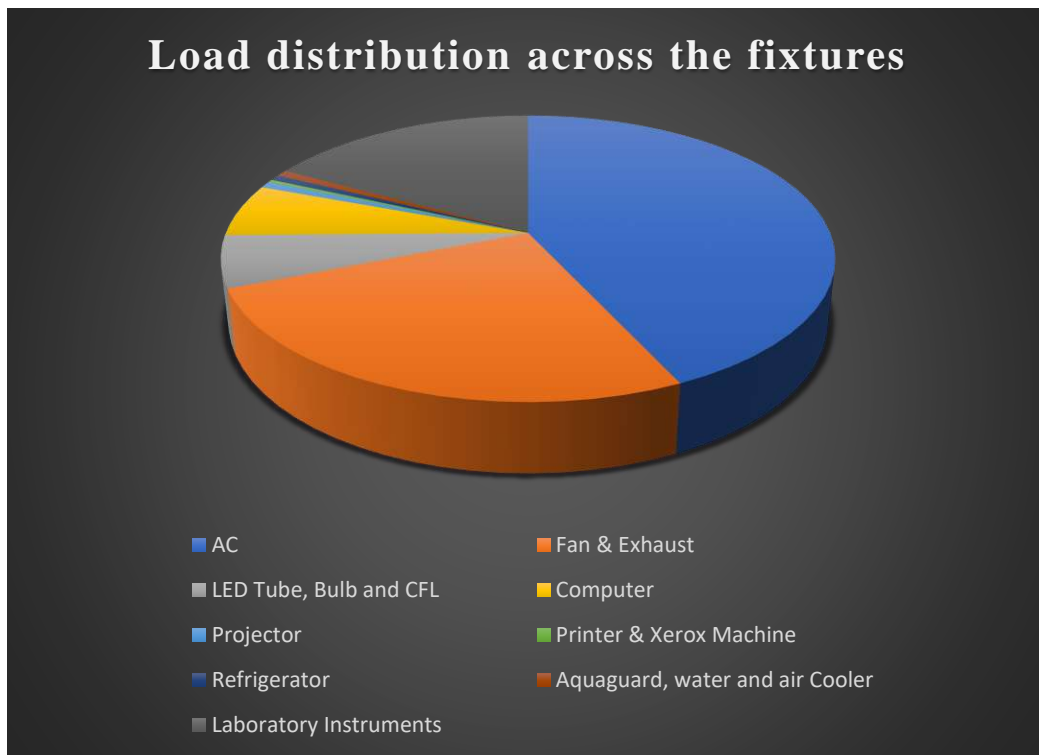


Figure 7: Load distribution across the various fixtures

Photograph of hazardous area



Sample photographs of Laboratory equipment connected



Sample photographs of electrical appliances connected



4. FINDINGS

4.1. Energy Consumption Analysis

The energy consumption analysis indicates the following:

- Among the Departments from Humanities, Department of English consumes the maximum electrical energy accounting for 1.79% of total consumption.
- Among the Departments from Science, Department of Chemistry uses the maximum electrical energy accounting for 11.75% of total electrical load.
- The maximum electrical load (24.52%) is distributed to eight galleries and halls used mainly for organizing lectures on multidisciplinary studies and courses common to all, or for seminars/ workshop.
- Among the Departments from Humanities, Department of Philosophy & Sanskrit consumes the least electrical load (~0.1%).
- Among the Departments from Science, Department of Geography () consumes least electrical load (~0.8%).
- The maximum electrical load (74.76%) of the college is distributed to the Air conditioners, fan (including exhausts) and LED tubes, LED bulbs and CFL bulbs installed in different locations.
- Water purifiers and coolers consume the least electrical load accounting for 0.7%.
- Computers, projectors, printers and photocopiers uses 6.99% of the total electrical load.
- Refrigerators and laboratory equipment accounts for 17.61% of the electrical load.

4.2. Building Envelop

- Certain areas of the buildings have inadequate insulation, causing significant heat loss in winter and increased cooling demands in summer.
- Drafts around windows, doors, and other openings lead to energy wastage and reduced comfort.

4.3. Lighting

- ❖ Many buildings have old, inefficient lighting fixtures.
- ❖ Absence of occupancy sensors and daylight harvesting controls.
- ❖ About 10.4% lighting is CFL. Although, the college is less reliant on CFL bulbs for lighting, complete shifting to LED will save more electrical energy.

4.4 Fans

- ❖ Many fans are old and consume more power. Replacing them with energy-efficient models is advised.
- ❖ Old regulators should be replaced with electronic ones to reduce power loss.

5. RECOMMENDATION

Based on the energy audit following recommendations are proposed to improve energy efficiency and reduce electricity bills-

- ✚ Installation of at least one more DG set is highly recommended so as to supply electricity to the entire college premise during power cut.
- ✚ The contracted electrical load can be further extended. Apply for separate meter for solar system.
- ✚ Improve building insulation and address drafts around windows, doors, and other openings to reduce energy wastage and improve comfort. Consider upgrading windows to improve thermal performance and reduce HVAC demands.
- ✚ Develop awareness camps to educate students, faculty, and staff about energy-saving practices.
- ✚ Encourage the community to adopt habits like turning off lights and equipment when not in use.

- ✚ Install energy sensors and daylight harvesting controls.
- ✚ Replace old electrical appliances and wiring.

6. CONCLUSION

This energy audit report identifies several opportunities for Raiganj Surendranath Mahavidyalaya to enhance energy efficiency, reduce consumption, and achieve cost savings. Implementing the recommended measures will not only support environmental sustainability but also provide long-term financial benefits. We encourage Raiganj Surendranath Mahavidyalaya to prioritize these initiatives and develop an action plan based on the recommendations.



Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B" Grade

RSM INTERNAL QUALITY & ENVIRONMENTAL AUDIT 2022 - 2023



INTERNAL QUALITY & ENVIRONMENT AUDIT 2022 - 23

RAIGANJ SURENDRANATH MAHAVIDYALAYA

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RSM INTERNAL QUALITY & ENVIRONMENTAL AUDIT 2022 - 2023



MANAGEMENT SYSTEM CONSULTANCY

Service Provided: Legal, Safety, Fire, Environment, Energy Audit and ISO, Information Security, Automotive, HARB, HARS, CSR, Food, Medical Certification and Training services

Quality Audit Certificate

This Certificate is awarded to

RAIGANJ SURENDRANATH MAHAVIDYALAYA

As part of the Institution's Initiatives for a Healthy & Sustainable College the
audit was conducted.

We appreciate the immense efforts taken by Staff and Students towards the
Efficient Quality Management of Premise.

Issued on April, 2022 valid till March, 2023



MANAGEMENT SYSTEM CONSULTANCY



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- ISO 9001:2015 (Quality) (NABET Accredited, Certificate No. IRCLASS/QMS/2016/02/03/01 of 07) Lead Auditor Certificate
- ISO 45001:2018 (OHSAS) (CQI-IRCA Delegate ID: 111285, Certificate No. 44532) Lead Auditor Certificate.
- Certified PG Diploma In Environment and Sustainable Development (En Roll No-BU/13/706432) from Bundelkhand University.
- Certified PG Diploma In Fire and Safety Management from Jawaharlal Nehru Technological University Hyderabad (Cert. No. 15359120506)

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Analesh K. Mandal



MANAGEMENT SYSTEM CONSULTANCY

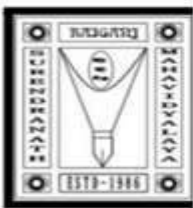
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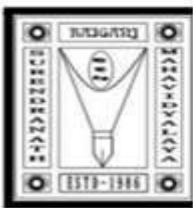


About the College

Raiganj Surendranath Mahavidyalaya was established in 1986 with the intention of meeting the educational needs of rural and suburban youth in the surrounding area. The land of the College was donated by Mr. Shailendra Narayan Sen in loving memory of his father Surendranath Sen and hence the College was named as Raiganj Surendranath Mahavidyalaya. Although initially planned as a Women's College, it later evolved into a coeducational undergraduate degree college affiliated under the University of North Bengal. In 2008, the college became affiliated with the University of Gour Banga. It is currently the largest college in the district, with a student population exceeding 5000. In 2016, the college received accreditation from NAAC at the B⁺ level.

The college now offers four-year Bachelor of Arts (B.A.) and Bachelor of Science (B.Sc.) programs under the New Education Policy of 2000. Situated in the northern part of Raiganj town, the campus features a modern three-storied building with top-notch facilities, including five air-conditioned science laboratories, a library with e-resources, and two air-conditioned auditoriums, one AC Teachers' Common Room, office equipped with network, two AC Guest Room, music room, Computer Training Centres, Boys' Common Room & Girls' Common Room, two Canteen with one Dining Room, one Cheap Stores, Selfie Zone, Learning Support Centres of two Open Universities (Rabindra Bharati University & Netaji Subhas Open University) etc.

The college has shown a significant dedication to promoting academic excellence in Raiganj and its surrounding areas. It is currently enhancing opportunities in important undergraduate programs. The College offers Certificate Courses in Photography and Journalism & Mass Communication as well as Add-on courses such as Early Childhood Development and Karate Excellence. In recent years, the college has seen substantial growth in various activities, creating new opportunities in multiple areas.



VISION AND MISSION OF THE COLLEGE

Our Vision:

28 Years young Surendranath Mahavidyalaya aims to be an institution of excellence in higher education and research through the development, innovation, and application of knowledge towards creating well-rounded, multi-skilled, and socially responsible global citizens for a people-centric ecologically sustainable model.

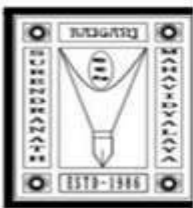
OUR MISSION:

- To provide students with quality educational experiences and support services that can lead to the successful completion of degrees along with imparting career-oriented education and basic skills proficiency.
- To promote academic and career success through the development of critical thinking, effective communication, creativity, and cultural awareness within a safe, accessible, and affordable learning environment.
- To meet the requisites of a demographically diverse student population, the institution embraces equity and accountability through measurable learning outcomes, ethical data-driven decision-making, and students' achievement.
- To contribute to the development of habits, attitudes, and qualities of character building, enabling students to bear worthily the responsibilities of dignified citizenship and fostering a broad, national, and secular outlook.
- To make it a regular practice to develop various skills in personality development, thereby promoting interpersonal communication and facilitating the growth of self-confidence required for all-round development of an enduring personality.


Dr. Chandan Roy

Principal, Raiganj Surendranath Mahavidyalaya

Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D



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Assistant Professor of Botany

Abdus Sabur

5. **Mr. Tarik Anwar**

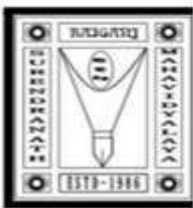
SACT in Department of Geography

Tarik Anwar

6. **Md. Azmalul Alam**

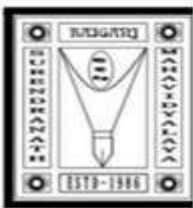
SACT in Department of Botany

Md. Azmalul Alam



CONTENT

1. Introduction	8-9
1.1.Goals and Objectives	8
1.2.Methodology	9
2. Quality and Environment Auditing: Observations	9 - 30
2.1 Geographical Location of RSM	10 - 11
2.2. Climate	12 - 15
2.3.Soil Quality	15
2.4. Floral Diversity at RSM	16 - 18
2.5. Faunal Diversity at RSM	19 - 22
2.6.Water Analysis	23 - 25
2.7.Air Analysis	25 - 27
2.8. Noise Analysis	28 - 29
2.9.Waste Disposal	29
2.10. Transport, Communication and Accessibility	29 - 30
2.11. Electric Power Consumption	30
2.12. Green Initiatives in Last Five Years	30
3. Conclusion	30



1. Introduction

A Quality and green audit, or environmental audit, is a detailed check of how well a college follows environmental rules and manages its activities. The main goal is to look closely at how the college impacts the environment both inside and around its campus. This audit helps create a campus that is environmentally friendly and sustainable. The process involves systematically identifying, measuring, recording, and analysing different environmental aspects of the college. The audit helps the institution track activities that might harm the environment or people's health, guiding the college toward more sustainable practices.

With the current issues of global warming and climate change, caused by the excessive use of natural resources like minerals, energy, water, and forests, it is essential to regulate their use. Proper management of these resources helps reduce the negative impact on the local environment. A Quality and green audit provides a structured approach to using resources efficiently and raises awareness among the college's stakeholders—students, staff, and management—about the importance of maintaining a pollution-free and sustainable environment. The National Assessment and Accreditation Council (NAAC) in New Delhi requires all higher educational institutions to submit an annual Quality and green audit Report. Moreover, it is part of these institutions' Corporate Social Responsibility (CSR) to help reduce global warming by lowering their carbon footprint.

1.1. Goals and Objectives

The importance of conducting a Quality and green audit in a college has grown significantly, particularly as a tool for the college to assess itself. It shows how the college is playing its part in solving current environmental problems. The college has been actively working to keep its environment clean and healthy, with its goals and objectives focused on identifying, evaluating, and prioritizing efforts for environmental sustainability, following relevant laws, policies, and standards.

The main goals of a Quality and green audit are:

- To identify and record the environmentally friendly practices followed by the college.
- To find out the strengths and weaknesses of these practices.
- To analyse any problems found and suggest possible solutions.
- To raise environmental awareness among everyone on campus.
- To see how well stakeholders are using resources sustainably.
- To encourage environmental education and assess risks through a systematic management approach.



- To save money by using resources more efficiently.
- To set standards for environmental protection initiatives.
- To enrich the curriculum with practical experiences related to sustainability.
- To encourage a sense of personal and social responsibility among students and staff by involving them in the development of the college's environmental profile.

The specific objectives of the Quality and green audit include:

- Mapping the location of the college.
- Recording the variety of plants and animals on the college campus.
- Analysing the conditions of the environment, such as weather, air, water quality, and noise levels.
- Documenting the bioenergy diversity on campus.
- Estimating the effectiveness of waste disposal systems.
- Assessing the college's energy needs.
- Reporting on the green initiatives taken in the last five years.

1.2. METHODOLOGY

The purpose of the quality and green audit of Raiganj Surendranath Mahavidyalaya is to ensure that the practices followed in the campus are in accordance with the Green Policy of the country. The methodology includes: collection of data, physical inspection of the campus, observation and review of the documentation and data analysis.

2. Quality and Green Auditing: Observations

An environmental audit provides a quick overview of how well a campus is following environmental laws and regulations. This report outlines the best environmental practices observed and offers suggestions for improving the institution's environmental awareness.



2.1. Geographical Location of Raiganj Surendranath Mahavidyalaya

Raiganj Surendranath Mahavidyalaya is located in Raiganj, a town in the Uttar Dinajpur district of West Bengal, India. The college is situated in a region that is part of the larger Indo-Gangetic plains, which is known for its fertile land and significant agricultural activities. Raiganj itself is positioned at approximately 25.6167° N latitude and 88.1167° E longitude. The town is well-connected by road and rail, making it accessible from various parts of West Bengal and nearby states.

The college's campus is located at Northern side of Raiganj, providing easy access for students from the surrounding areas. The institution is in a moderately urban area, surrounded by both residential neighbourhoods and commercial establishments. The campus is relatively close to important local landmarks, including the Raiganj Railway Station, Siliguri More Bus stand which are some of the key points of connectivity for students commuting from different locations.

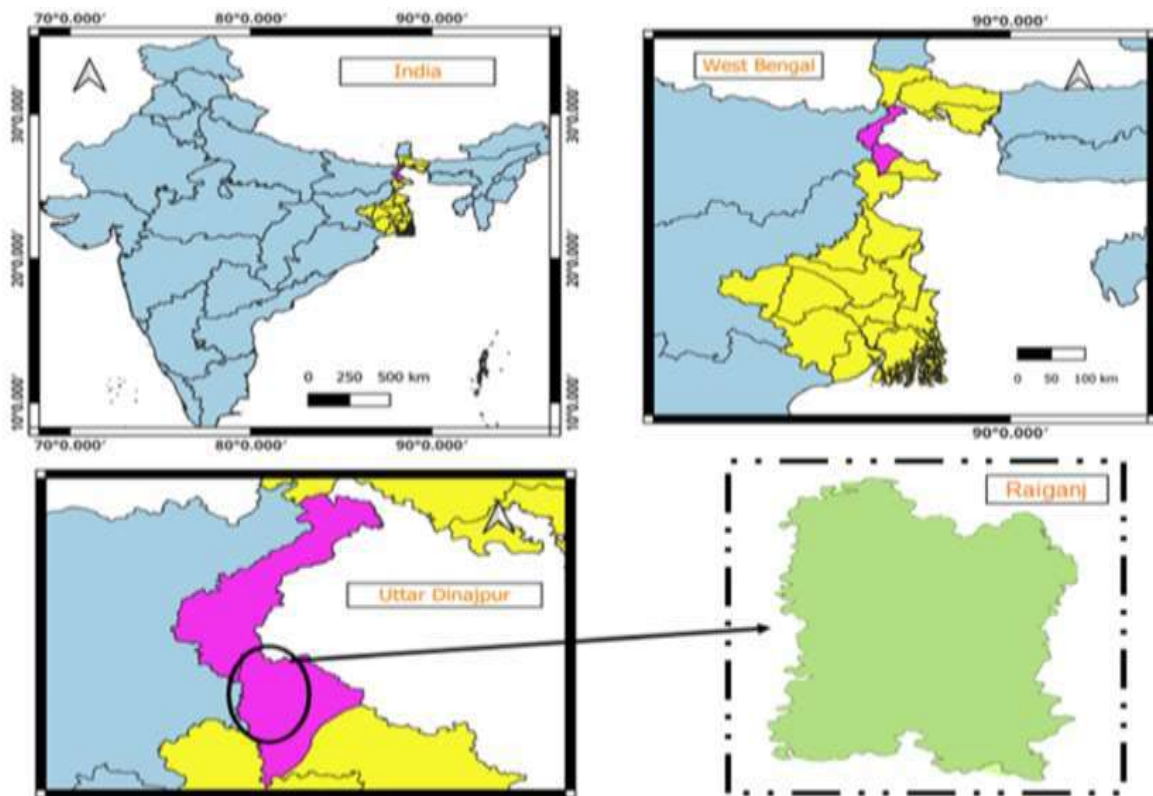


Fig 1: Location Map



Raiganj Surendranath Mahavidyalaya

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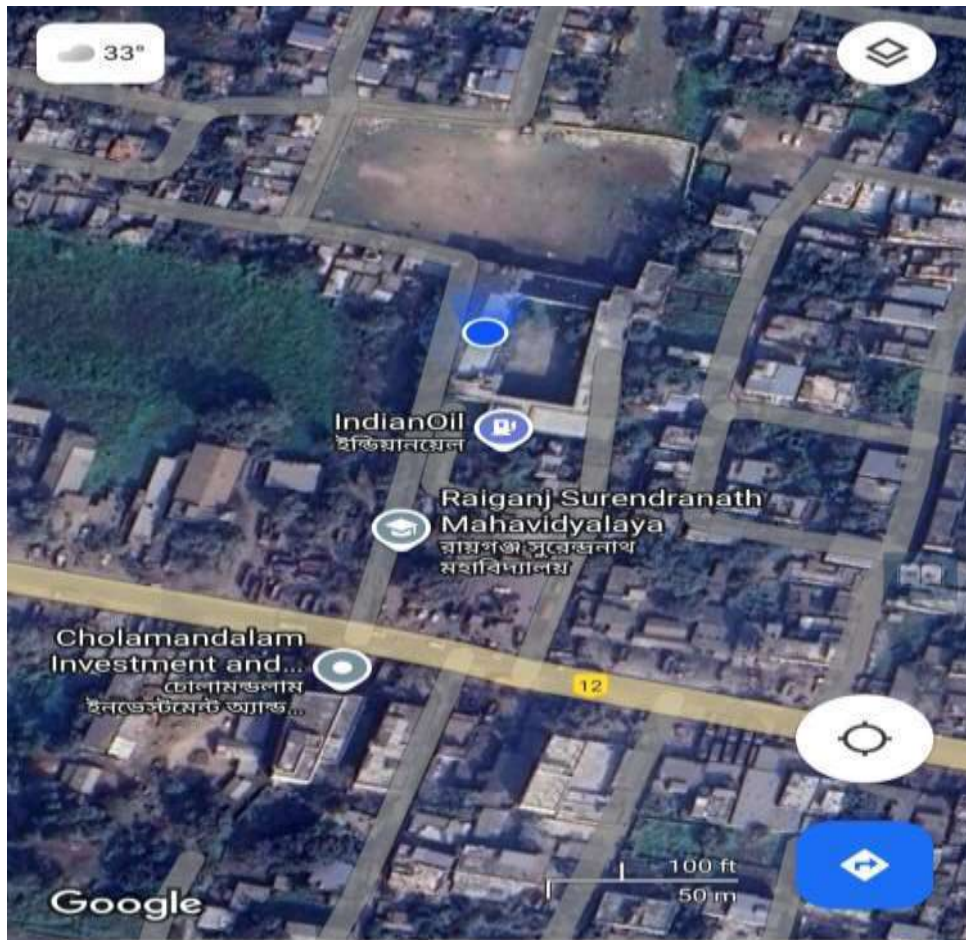


Fig 2: Satellite image of Raiganj Surendranath Mahavidyalaya



2.2. Climate

Raiganj, the district headquarters of Uttar Dinajpur in West Bengal, experiences a tropical climate characterized by distinct seasonal variations. The town, located on the banks of the Kulik River, enjoys a climate typical of the Indo-Gangetic plains, influenced by the region's alluvial soil and its proximity to the Himalayas.

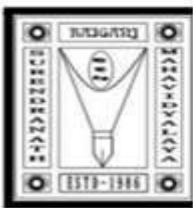
The summers in Raiganj are hot and humid, with temperatures often reaching up to 40°C during the peak months of May and June. Humidity levels are high, typically hovering around 80% during the monsoon season, which follows the hot summer. The monsoon, extending from June to September, brings moderate rainfall to the region, with July and August being the wettest months, receiving approximately 353.33 mm of rainfall each. The town experiences around 24 rainy days during these months, contributing to the lush green landscape and the fertile soil of the region.

Winters in Raiganj are relatively mild and dry, with temperatures ranging between 16°C to 26°C from December to February. This season is marked by clear skies and comfortable weather, making it an ideal time for outdoor activities and agriculture, which is the backbone of the local economy. The winter months also witness a sharp drop in humidity and rainfall, with almost no significant precipitation recorded.

Overall, Raiganj's climate is conducive to the cultivation of crops like paddy, jute, and sugarcane, which thrive in the fertile alluvial soil deposited by the region's rivers. The town's climate also supports a rich biodiversity, including the famous Raiganj Wildlife Sanctuary, home to the largest population of Asian Openbill storks in the world.

Summary of Climate

Raiganj experiences a tropical climate with three distinct seasons: summer, monsoon, and winter. The summer months are hot and humid, with average temperatures ranging from 25°C to 34°C. May is typically the hottest month. The monsoon season brings significant rainfall, especially in July and August, with humidity levels often exceeding 80%. The town receives the bulk of its annual rainfall during these months. Winters are mild and dry, with temperatures ranging from 10°C to 20°C. January is usually the coolest month.



Month	Avg. High Temp (°C)	Avg. Low Temp (°C)	Avg. Rainfall (mm)	Avg. Humidity (%)
July	30	25	350	85
August	30	25	350	85
September	31	24	250	80
October	30	22	100	75
November	27	16	20	65
December	23	12	10	60
January	22	10	10	60
February	26	13	12	55
March	31	18	20	55
April	34	22	50	60
May	34	25	90	70
June	32	25	300	80

Table 1: Climate Summary of Raiganj

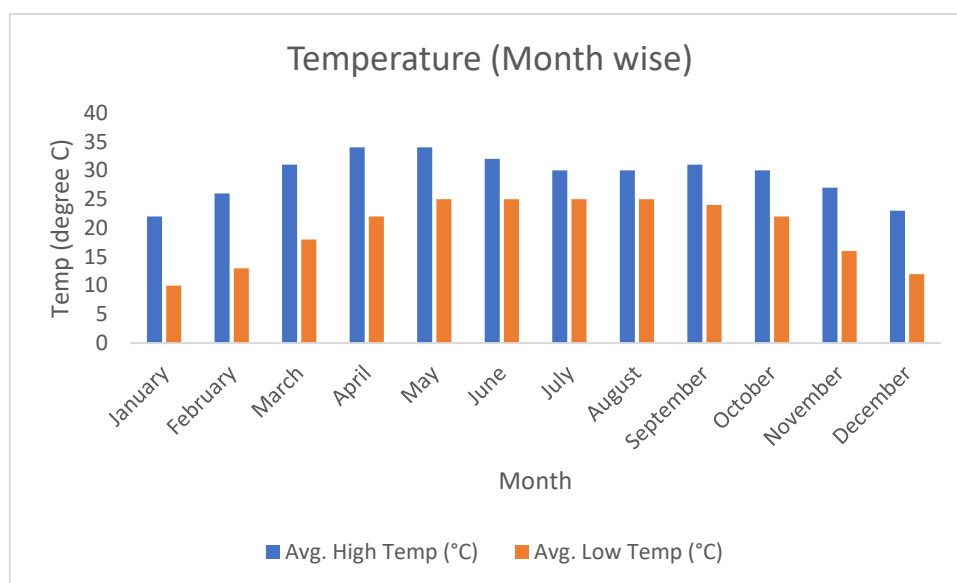


Fig 3: Month wise temperature data

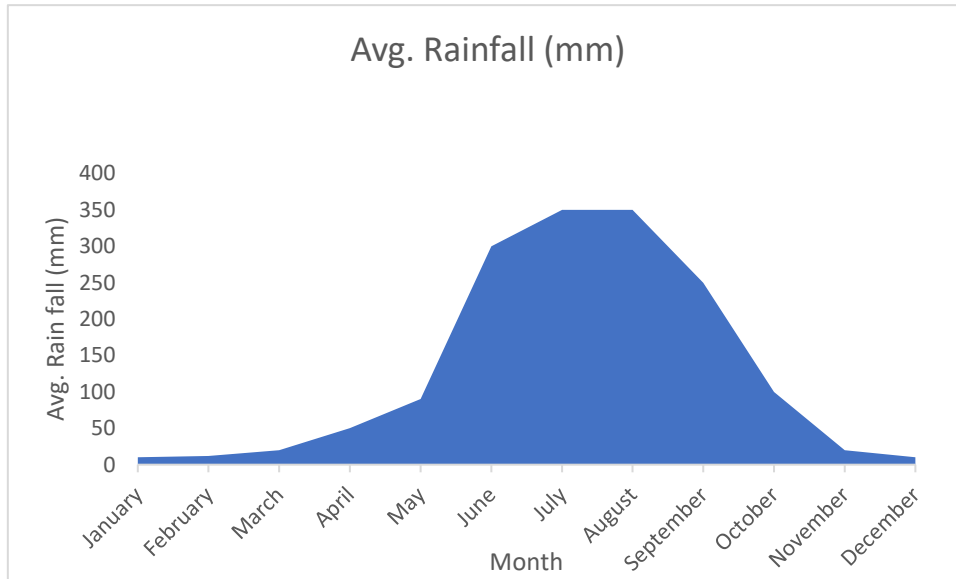


Fig 4: Month wise average rainfall



Fig 5: Month wise % humidity



Analysis:

- Raiganj experiences significant temperature fluctuations between summer and winter, with the highest temperatures in May and the lowest in January. The average high in the summer months reaches around 34°C, making it quite hot, while in winter, the average low can drop to about 10°C.
- The town receives most of its annual rainfall during the monsoon season, particularly from June to September. This period contributes to the region's agriculture but also causes high humidity, which can be uncomfortable.
- Humidity levels vary throughout the year, peaking during the monsoon season when it often exceeds 80%. In contrast, winter months are much drier with lower humidity levels, making the weather more comfortable.

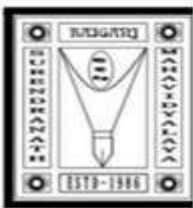
Raiganj's climate is typical of the Indo-Gangetic plains, with a pronounced monsoon season and a relatively short but chilly winter. This weather pattern supports the region's agriculture, particularly the cultivation of rice and jute. However, the high humidity during the monsoon can lead to discomfort and potential health issues, while the dry winter offers a more pleasant climate. This analysis provides a comprehensive view of Raiganj's weather where our college is situated.

2.3. Soil Quality

The soil in Raiganj, Uttar Dinajpur district, West Bengal, is predominantly alluvial, comprising sand, silt, and clay. This composition supports diverse agricultural activities. The soil is generally fertile, containing essential nutrients like nitrogen (N), phosphorus (P), and potassium (K), which are crucial for crop growth and yield. The pH levels are typically neutral to slightly acidic, favourable for most crops, ensuring nutrient availability and uptake by plants.

Organic matter in the soil enhances its structure, water retention, and nutrient supply. Regular addition of organic matter through compost or green manure can further improve soil quality. However, challenges such as soil erosion, waterlogging, and nutrient depletion due to intensive farming practices can affect soil health. Implementing sustainable land management practices is essential to address these issues and maintain soil quality.

Overall, Raiganj's soil is well-suited for agriculture, but continuous efforts in sustainable practices are necessary to preserve its fertility and productivity.



2.4. Floral Diversity at Raiganj Surendranath Mahavidyalaya

The following plants are present within the college premise –

Table 2: Floral diversity at RSM

Sl. No.	Common Name	Scientific Name	Family
1.	Congo Jute	<i>Urena lobata</i>	Malvaceae
2.	Jungle geranium	<i>Ixora coccinea</i>	Rubiaceae
3.	Cycas	<i>Cycas</i> sp.	Cycadaceae
4.	Mahogany	<i>Swietenia mahogani</i>	Meliaceae
5.	Kadamba	<i>Neolamarckia cadamba</i>	Rubiaceae
6.	Dronapushpi	<i>Leucas cephalotes</i>	Lamiaceae
7.	Indian gooseberry	<i>Phyllanthus emblica</i>	Phyllanthaceae
8.	Neem	<i>Azadirachta indica</i>	Meliaceae
9.	Sugar Apple	<i>Annona muricata</i>	Annonaceae
10.	Arjuna	<i>Terminalia arjuna</i>	Combretaceae
11.	Bougainvillea	<i>Bougainvillea glabra</i>	Nyctaginaceae
12.	Arrowroot	<i>Canna</i> sp.	Cannaceae
13.	Okra	<i>Abelmoschus esculentus</i>	Malvaceae
14.	Soap Apple	<i>Manilkara Zapota</i>	Sapotaceae
15.	Cactus	<i>Cereus Jamacaru</i>	Cactaceae
16.	Fishtail Palm	<i>Caryota mitis</i>	Arecaceae
17.	Crepe Jasmine	<i>Tabernaemontana divaricata</i>	Apocynaceae
18.	Jackfruit	<i>Artocarpus heterophyllus</i>	Moraceae
19.	Olive	<i>Olea europaea</i>	Oleaceae
20.	Dumb Cane	<i>Dieffenbachia</i> sp.	Araceae
21.	Golden Palm	<i>Dypsis lutescens</i>	Arecaceae
22.	Deodar	<i>Monoon longifolium</i>	Annonaceae
23.	Guava	<i>Psidium guajava</i>	Myrtaceae
24.	Duranta	<i>Duranta</i> sp.	Verbenaceae
25.	Oyster Plant	<i>Tradescantia spathacea</i>	Commelinaceae
26.	Red Oleander	<i>Nerium oleander</i>	Apocynaceae
27.	Banyan Tree	<i>Ficus benghalensis</i>	Moraceae
28.	Lichi	<i>Litchi chinensis</i>	Sapindaceae
29.	Pencil Cactus	<i>Euphorbia tirucalli</i>	Euphorbiaceae
30.	Poison Berry	<i>Cestrum nocturnum</i>	Solanaceae
31.	Mango Tree	<i>Mangifera indica</i>	Anacardiaceae
32.	Wind mill Palm	<i>Trachycarpus fortunei</i>	Arecaceae

Sample photographs have been appended below as **Photographic plate 1.**



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Congo Jute



Jungle geranium



Cycas



Mahogany



Kadamba



Dronapushpi



Indian gooseberry



Neem



Sugar Apple



Arjuna



Bougainvillea



Arrowroot



Okra



Soap Apple



Cactus



Fishtail Palm



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Oyster Plant



Red Oleander



Banyan Tree



Lichi



Pencil Cactus



Poison Berry



Mango Tree



Palm Tree



Crepe Jasmine



Jackfruit



Olive



Dumb Cane



Golden Palm



Deodar



Guava



Duranta



2.5. Faunal Diversity at Raiganj Surendranath Mahavidyalaya

The following animals often visit the college campus –

Table 3: Avian diversity at RSM

A- Avian Diversity

Sl. No	Common Name	Scientific name	Family
1.	House crow	<i>Corvus splendens</i>	Corvidae
2.	Common myna	<i>Acridotheres tristis</i>	Sturnidae
3.	Red-vented bulbul	<i>Pycnonotus cafer</i>	Pycnonotidae
4.	House sparrow	<i>Passer domestica</i>	Passeridae
5.	Jungle babbler	<i>Turdoides striatus</i>	Sylviidae
6.	Black drongo	<i>Dicrurus macrocercus</i>	Dicuridae
7.	Magpie robin	<i>Copsychus saularis</i>	Muscicapidae
8.	Rock pigeon	<i>Columba livia</i>	Columbidae
9.	Purple sunbird	<i>Nectarinia asiatica</i>	Nectariniidae
10.	Black headed oriole	<i>Oriolus xanthornus</i>	Oriolidae
11.	Lesser golden-backed woodpecker	<i>Dinopium benghalense</i>	Indicatoridae
12.	Rose-ringed parakeet	<i>Psittacula krameri</i>	Psittacidae
13.	Rufous treepie	<i>Bendrocitya vagabunda</i>	Corvidae
14.	Coppersmith barbet	<i>Megalaima haemacephala</i>	Megalaimidae
15.	Baya weaver	<i>Ploceus philippinus</i>	Passeridae
16.	Common kite	<i>Milvus migrans</i>	Accipitridae



Common Crow



Common Myna



Red-vented Bulbul



Jungle Babbler



House Sparrow



Black Drongo



Magpie Robin



Rock Pigeon



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Photographic plate 2: Sample photographs of various birds visiting the college campus

P. C. – Google images

B. Diversity of Butterflies and Moths

Sl. No	Common Name	Scientific name
1.	Common Mormon	<i>Papilio polypes</i>
2.	Red Helen	<i>Papilio helenus</i>
3.	Common Jay	<i>Graphium doson</i>
4.	Common Emigrant	<i>Catop cilia Pomona</i>
5.	Common Grass Yellow	<i>Eurema hecabe</i>
6.	Psyche	<i>Leptosia nina</i>
7.	Common Banded awl	<i>Hasora chromus</i>
8.	Chocolate Pasy	<i>Junia iphita</i>
9.	Grass hopper	<i>Schistocerca americana</i>
10.	Pentatomid bug	<i>Halyomorpha halys</i>
11.	Cricket	<i>Gryllus</i>
12.	Cockroach	<i>Blatta orientalis</i>

Table 4: Insect diversity at RSM



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Common Mormon



Common Helen



Common Jay



Common Emigrant



Common Grass Yellow



Psyche



Common Banded Awl



Chocolate Pansy



Grass Hopper



Pentatomid Bug



Cricket



Cockroach

Photographic plate 3: Sample photographs of various insects visiting the college campus

P. C. – Google images



Table 5: Animal diversity at RSM

C – Diversity of other Animals

Sl. No	Common Name	Scientific name
1.	Common Toad	<i>Bufo melanostictus</i>
2.	Girgit	<i>Calotes versicolor</i>
3.	Rat Snake	<i>Ptyas mucosus</i>
4.	Bengal Rat	<i>Bandicota bengalensis</i>
5.	Indian Mole	<i>Talpa sp.</i>
6.	Indian Palm Squirrel	<i>Funambulus palmarum</i>
7.	Dog	<i>Canis familiaris</i>
8.	Cat	<i>Felis domestica</i>
9.	Mongoose	<i>Helogale Parvula</i>



Common Toad



Girgit



Rat Snake



Bengal Rat



Indian Mole



Indian Palm Squirrel



Dogs

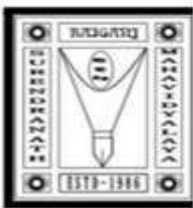


Cat



Mongoose

Photographic plate 4: Sample photographs of various animals visiting the college campus



2.6. Water Analysis

Raiganj, a town in the Uttar Dinajpur district of West Bengal, relies primarily on groundwater for drinking and domestic purposes. The water quality in Raiganj Surendranath Mahavidyalaya, Raiganj, is influenced by factors such as agricultural runoff, industrial activities, and the natural geology of the area. Groundwater is extracted mainly through tube wells and hand pumps, while surface water from rivers and ponds is less commonly used for drinking. Key parameters analysed to assess water quality include pH level, total dissolved solids (TDS), hardness, chloride, nitrate, fluoride, and biological contamination. The pH of groundwater in Raiganj generally falls within the suitable range of 7.0 to 8.2, and TDS levels vary from 200 to 900 mg/L, with higher TDS levels indicating the presence of salts that could affect the water's palatability.

The groundwater is moderately hard, with levels between 120 and 250 mg/L, which is within acceptable limits but may cause scaling in pipes. Chloride concentration is around 150-200 mg/L in some regions, which is within permissible limits, though higher levels near agricultural zones suggest contamination from fertilizer runoff. Nitrate levels in certain areas exceed the safe limit, reaching up to 60 mg/L, posing risks to infants and pregnant women. Fluoride levels are generally below 1.0 mg/L, indicating no significant risk of fluorosis. While groundwater sources are generally free from biological contamination, surface water sources like ponds and rivers show positive results for coliform bacteria, indicating faecal contamination.

According to the reports available on webpages regarding the water quality of Raiganj, we presume that the water quality in Raiganj Surendranath Mahavidyalaya is mostly within acceptable limits, though there are concerns regarding nitrate levels, particularly near agricultural areas of Raiganj. Regular monitoring, the promotion of water purification methods, and public awareness campaigns on safe fertilizer use and water source protection are essential to maintain and improve water quality in the long term.



Fig 6: Preservation of potable and useable water within the campus



To estimate the water quality parameters of Kulik river which flowing adjacent to the college campus, we extracted the relevant data from a recent publication mentioned as data source underneath the **Table 6**.

Season	Temperature (Degree C)	pH	Free CO ₂ (ppm)	Dissolved oxygen (ppm)	Total alkalinity (ppm)	Total hardness (ppm)	Chloride concentration (ppm)
Pre-monsoon	32.5	7.3	5.3	5.15	76.92	76.85	28.95
Monsoon	32.1	6.95	7.2	5.42	26.55	30.22	31.59
Post-monsoon	18.3	7.3	5.6	8.38	67.70	18.16	18.16

Table 6: Average value of water quality parameters measured in different season from Kulik River

Data source: Roy et al., Curr. World Environ., Vol. 17(2) 480-497 (2022)

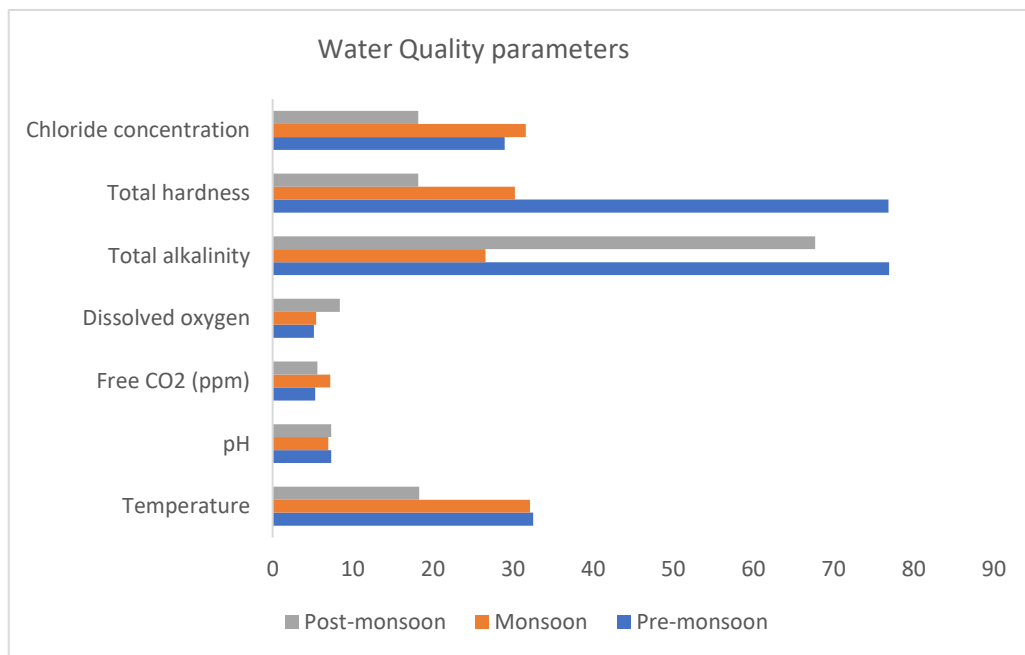


Fig 7: Water quality parameters measured from Kulik River

Analysis:

- The water quality parameters of Kulik river indicated that this water is good enough to support the propagation of wild life and fisheries.
- Water of Kulik river can be used for bathing.



- As per quality standards of Ministry of Forest & Environment, GoI, the Kulik river's water quality can be classified as 'class B.'
- It is noteworthy that though the water of Kulik river qualifies as 'class B' for its physico-chemical properties, we cannot presume that as 'class A' because we don't have MPN data to estimate faecal contamination.

2.7. Air Analysis

To estimate the average air quality surrounding the collage campus, we procure the data from www.aqi.in/dashboard/india/west-bengal/raiganj on once in a month. The collected data are as follows:

Date	PM 2.5	PM 10	SO ₂	NO ₂	O ₃	AQI	COMMENTS
10.07.2022	30	32	01	04	09	38	Good
05.08.2022	08	20	01	03	04	20	Good
07.09.2022	33	70	03	08	10	76	Moderate
09.10.2022	25	62	03	06	09	63	Moderate
03.11.2022	106	193	02	25	09	227	Unhealthy
05.12.2022	151	287	05	27	09	300	Severe
12.01.2023	194	332	02	23	08	371	Severe
15.02.2023	120	280	03	26	09	277	Unhealthy
18.03.2023	74	177	03	18	12	162	Poor
14.04.2023	81	238	04	21	12	218	Unhealthy
13.05.2023	44	121	05	20	21	114	Poor
09.06.2023	54	183	04	08	29	163	Poor

Table 7: Air quality report surrounding campus

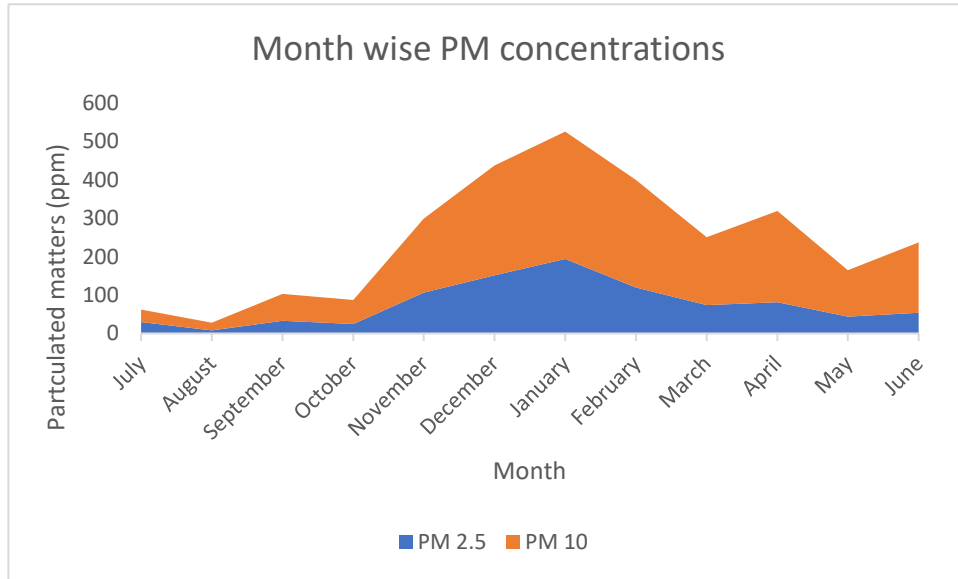


Fig 8: Month wise PM concentrations

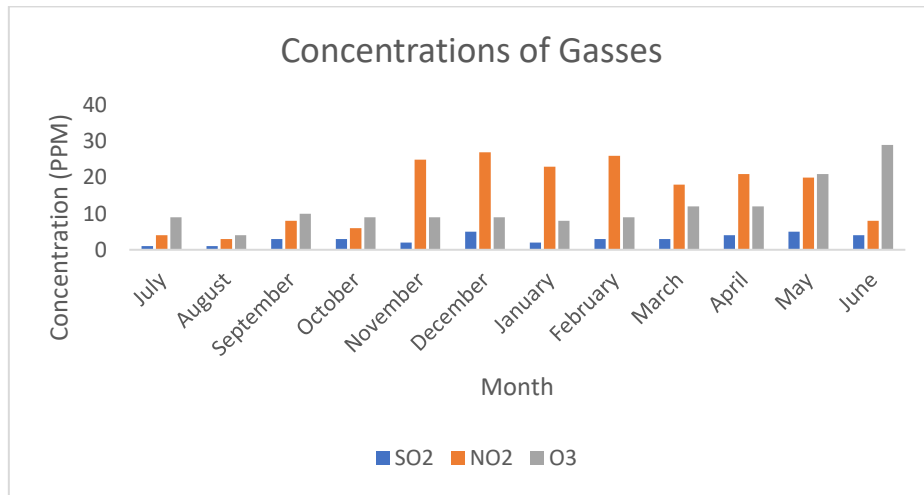


Fig 9: Month wise gasses concentration contributing to air quality

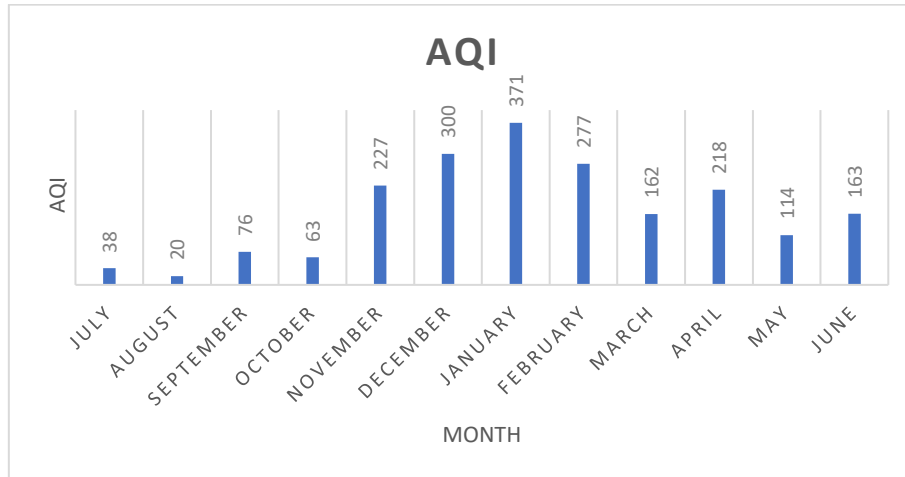


Fig 10: Month wise report of AQI

Analysis:

- We have estimated the air quality as poor to severe from November 2022 to June 2023. Only during Monsoon (July-August) the air quality was estimated to be satisfactory.
- Perhaps, Raiganj's poor to severe AQI from summer to winter is due to crop residue burning, temperature inversions, vehicular emissions, industrial pollution, dust from construction, and household heating. Winter conditions, including low wind speeds and temperature inversions, trap pollutants, further worsening air quality.



2.8. Sound Analysis

Raiganj Surendranath Mahavidyalaya situated at a prominent Raiganj town, in the Uttar Dinajpur district of West Bengal, is experiencing rapid urbanization. This growth has led to increasing noise levels, which can affect the quality of life of the students and neighbours. This report presents a detailed analysis of sound levels across different areas of the town, focusing on identifying zones with noise pollution. Noise levels were recorded at various points across the town using devices installed at various places of the town.

To estimate noise level adjacent to Raiganj Surendranath Mahavidyalaya, we procured real time data from Raiganj DM office device from 5th September 2022 to 10th September 2022 during working hours (10:00 am to 5:00 pm) with one hour interval.

	Monday (05/09/22)	Tuesday (06/09/22)	Wednesday (07/09/22)	Thursday (08/09/22)	Friday (09/09/22)	Saturday (10/09/22)
10:00 am	54.98	52.89	50.46	46.45	48.49	43.92
11:00 am	58.89	57.25	53.89	49.34	51.68	47.00
12:00 noon	55.47	53.19	49.87	48.89	50.38	46.32
1:00 pm	55.30	52.96	48.98	48.78	50.96	46.13
2:00 pm	55.97	53.13	50.07	47.77	50.57	45.95
3:00 pm	53.69	51.38	47.69	45.86	48.89	43.31
4:00 pm	51.43	49.78	46.13	44.39	47.37	42.17
5:00 pm	57.93	56.08	52.64	48.92	51.35	46.32

Data Source: West Bengal Pollution Control Board, Raiganj DM Office

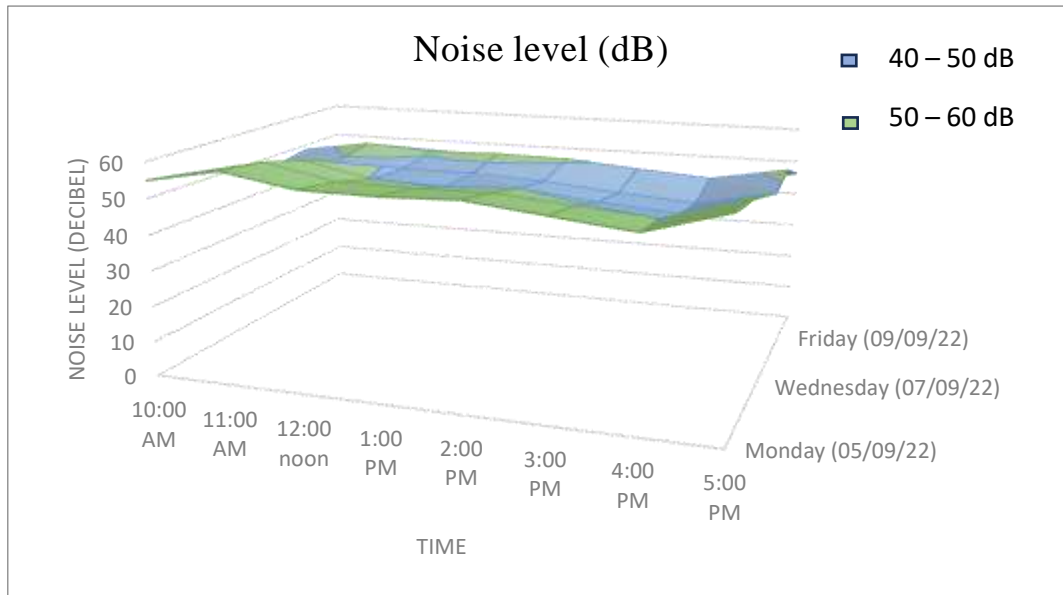
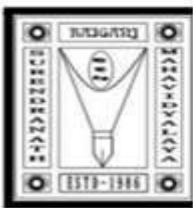


Figure 11: Noise level monitored at one-hour intervals during 5th to 10th of September 2022 to evaluate noise level.



Analysis:

- All the data monitored for the six working days (Monday- Saturday) from 10 am to 5 pm was found within 65 dB (National Noise standards for commercial areas) indicating the noise level adjacent to college the is satisfactory.

2.9. Waste Disposal

Raiganj Surendranath Mahavidyalaya is committed to sustainability through its green protocol, with significant contributions from its two NSS units. These units organize various awareness programs throughout the year to promote environmental practices.

Solid Waste Management: The college uses green bins for biodegradable waste like food scraps and fallen leaves, and blue bins for non-biodegradable waste such as plastic and paper.

Liquid Waste Management: Liquid waste from toilets, wash areas, and the canteen is directed to appropriate drainage systems.

Hazardous Lab Waste: Expired lab reagents and used lab materials are collected in designated areas for periodic disposal. Biological samples are autoclaved before disposal, and biohazard bins are used for items like needles and glass slides.

e-Waste Management: Electronic waste, including spare parts of computers and printers, is stored and periodically recycled through Hulladek. The college prefers repairing non-functional items or opting for buyback options to minimize waste.

These initiatives reflect the college's dedication to effective waste management and environmental sustainability.

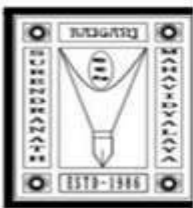
2.10. Transport, Communication and Accessibility

Raiganj Surendranath Mahavidyalaya, located in Raiganj, Uttar Dinajpur, West Bengal, is well-connected and accessible. The college is situated in Sudarshanpur, which is easily reachable by various modes of transport.

Road Connectivity: The college is located on Dalkhola-Bakkhali Road and only about 200 meters away from Siliguri more, hence, accessible via well-maintained roads, making it convenient for students and staff to commute by public buses, e-rickshaw, and private vehicles. Besides, state bus stand (~3.8 km) and public bus station (~2.3 km) are not so far from the premise. The e-rickshaw services are available up to bus stands from college gate.

Rail Connectivity: Raiganj Railway Station is the nearest railway station (only 1.9 km away from college premise), providing good connectivity to major cities and towns.

Local Transport: The availability of local transport options like e-rickshaws and auto-rickshaws ensures easy and affordable commuting within the town.



Accessibility: The college campus is designed to be accessible, with facilities that cater to the needs of all students, including those with disabilities. This includes ramps, accessible restrooms, and other necessary infrastructure.

Overall, Raiganj Surendranath Mahavidyalaya is well-equipped in terms of transport and accessibility, ensuring that students and staff can reach the campus conveniently and safely.

2.11. Electric Power Consumption

Raiganj Surendranath Mahavidyalaya uses energy in the form of electricity purchased from West Bengal State Electricity Distribution Company Limited (WBSEDCL) under tariff category **Type A (CM-PU) (MUN)** for public utility/ specific Institution Public Bodies. The College has sanctioned load of **49.64 KVA**. The total billing amount has been found to be about INR **2,39,264/-** for four quarter analysis period of 2022 – 2023. The overall average energy charges stand at INR **9.65/-** per unit.

2.12. Green Initiatives in Last Five Years

Environmental sustainability is crucial, and colleges play a key role in fostering eco-conscious individuals. To enhance these efforts, our college has extended its environmental initiatives even beyond campus boundaries. We have actively engaged in tree plantation campaigns, planting over one hundred saplings in adopted villages and public areas over the past five years. These efforts not only increase green spaces but also involve the community in conservation.

Our college, through the **Sanshuddhi** initiative, organizes workshops and seminars focused on environmental education, covering topics like waste reduction, recycling, and sustainable living. These programs aim to equip individuals with the knowledge to make eco-friendly choices.

Additionally, we have reached out to residents of adopted villages to promote practices such as tree planting, waste management, and energy conservation. Emphasizing traditional, low-impact livelihoods, we believe these small steps will contribute to achieving net-zero emissions.

Looking ahead, we plan to broaden our impact by partnering with educational institutions, non-profits, and government agencies. Our goal is to create a widespread, positive environmental impact, promoting a healthier and more sustainable planet for future generations.

3. Conclusion:

This quality and environment audit report summarise the management system and environmental quality parameters at RSM and its adjacent area to point out further scope to improve managerial efficiency and quality parameters to support environmental sustainability.

*Criterion7: Institutional Values
and Best Practices*

*Documents: 7.1. 3: Certificates
of the awards received from
recognized agency*

Chandan B.
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

Sudarshanpur, Raiganj, Uttar Dinajpur
(Affiliated to University of Gour Banga)
Recognized by UGC U/S 2(f) & 12(B)
NAAC accredited College with "B⁺⁺" Grade



WEST BENGAL BIODIVERSITY BOARD

(Department of Environment, Government of West Bengal)

Memo No.: 467 /ST(Bio) – 1/2024

Date: 06/06/2024

From: Dr. S. N. Ghosh
Sr. Research Officer

To: The Principal
Raiganj Surendranath Mahavidyalaya,
Sudarshanpur, Raiganj, Uttar Dinajpur
Pin – 733134

Sub: Approval for organising a seminar and outreach programmes on 5th and 13th June 2024.

Ref: 1091-RSM-2024 Date. 07/05/2024

Sir,

I am to convey the approval of the State Board for the above cited awareness programmes and sanction the financial assistance of ₹ 25,000/- (Rupees Twenty-five thousand only) for these purpose under the following terms and conditions.

- A) Name of the Activity:** Outreach programme and Seminar on 'To sensitize people about the impact of behavioral change on the environment & biodiversity'
- B) Venue:** Abhor Village & Milanayatan Hall, Raiganj Surendranath Mahavidyalaya
- C) Date:** 5th & 13th June, 2024
- D) No. of Participants:** 200
- E) Grant**
- 1) Rs. 25,000/- (Rupees Twenty-five thousand only) inclusive all.
 - 2) Any expenditure beyond Rs. 25,000/- will not be reimbursed under this sanction.
 - 3) The financial assistance to be utilized during the financial year 2024-25
 - 4) The amount should be strictly utilized for the purpose it is sanctioned.

F) Payment Terms:

Payment will be made by A/c. Payee **cheque** or **NEFT** only on submission of letter of acceptance for releasing the sanctioned amount and advanced money receipt (along with revenue stamp).

Prani Sampad Bhawan (5th Floor), Block: LB-2, Sector: III, Salt Lake City,
Kolkata- 700 106, West Bengal, India

Phone: 033 2335 2731/5954, Telefax: 033 2335 2763, Email: biodiversity.wbbb@gmail.com, biodiversity.wbbb@nic.in
Website: www.wbbb.wb.gov.in

Received Rs. 25,000/- from West Bengal Biodiversity Board to organize seminar and outreach programme on sensitization of people about impact of behavioural change on the environment & biodiversity

Chandan B.
Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D





Raiganj Surendranath Mahavidyalaya

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भारत सरकार / 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 RAIGANJ SURENDRANATH MAHAVIDYALAYA is hereby recognized as District Green Champion for Uttar Dinajpur District, West Bengal for the Academic Year 2021-22. The institution has successfully elevated the Swachhta Action Plan, adopted and implemented best practices in the areas of Sanitation, Hygiene, Waste Management, Water Management, Energy Management and Greenery Management.

तारीख / Date: 29.03.2022

ज्ञापनसंख्या/ Memo no: MGNCRE/SAP22/302

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

Received 'District Green Champion' award from Mahatma Gandhi National Council of Rural Education, Ministry of Education, in the year 2021-2022 for successfully elevated the 'Swachhta Action Plan', proper sanitation, hygiene, management of waste, water, energy and greenery.

Principal
Raiganj Surendranath Mahavidyalaya
Raiganj, U/D

